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ARMEL ELECTRONICS, INC.

- Printed Circuit Board Connectors
- Rack and Panel Connectors
- Relay Sockets
- Stand-Off Terminals



1.800.840.0666

Armel Electronics, Inc.

Mil-Spec Electronic Components

ISO 9001 Registered

Armel Electronics Inc. was established in 1949.

Armel has become a recognized leader in the field of military and commercial avionics. Armel has also been influential in aerospace technology, supplying components for today's Space Shuttle missions and as far back as the Mars Mariner Probe of the 1960's.

Armel is constantly on the lookout for new areas of endeavor and new projects.

If you are involved in specification or general design work involving printed circuit board connectors, relay sockets or standoff terminals, then please call us for more detailed literature.

Armel Electronics Inc., is looking forward to your business well into the 21st Century.

Armel Electronics Inc.

1601 75th street
North Bergen, NJ 07047

Toll Free: **800.840.0666**
Phone: **201.869.4300**
Fax: **201.869.4304**
E-mail: **info@armelectronics.com**
Website: **www.armelectronics.com**



GENERAL SPECIFICATIONS

ALL THE COMPONENTS ARE MANUFACTURED IN ACCORDANCE WITH THE FOLLOWING **MIL-SPECS**:

MIL-S-12883

Relay Sockets - meet or exceed

MIL-C-55302

Printed Circuit Connectors - meet or exceed

MIL-M-14 (ASTM-D-5948-96)

Insulation Material - diallyl ortho phthalate

MIL-G-45204 (ASTM-B-488-95)

Contact Plating - meet or exceed

MIL-I-45208

Inspection System Requirements - meet or exceed

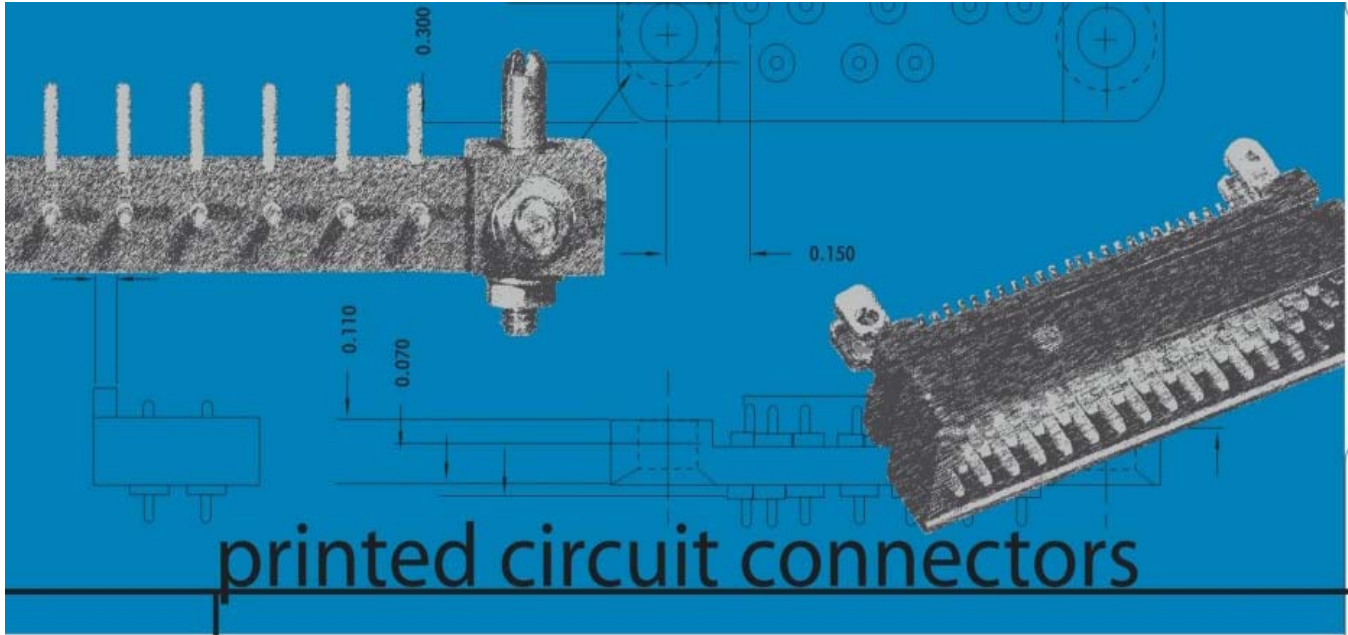
MIL-I-45662

Test Facility Requirements - meet or exceed

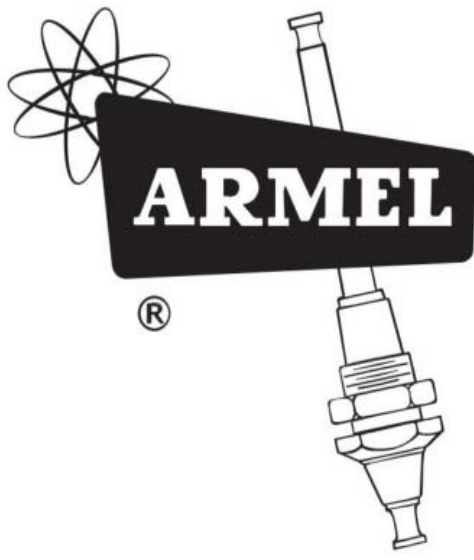
HANDLING REQUIREMENTS

Temperature Rating:

-65°C to +125°C



Printed Circuit Connectors





PRINTED CIRCUIT CONNECTOR INDEX

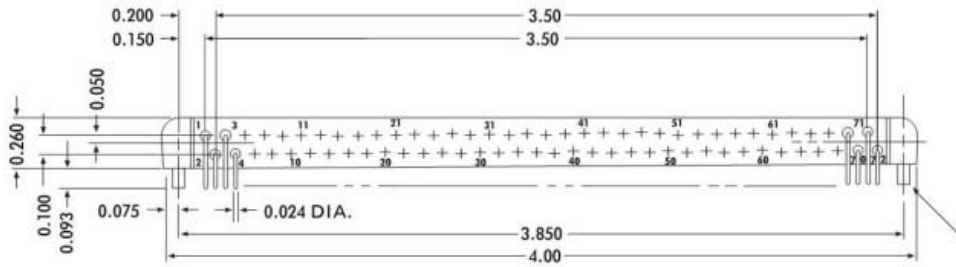
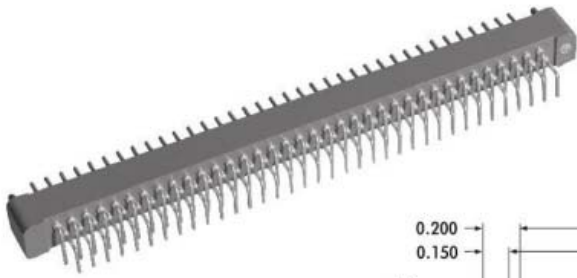
The printed circuit connectors produced by Armel Electronics, Inc. have been designed to comply with the highest performance requirements for aircraft, communication, and other electronic systems. Rigorous, in-process inspections and stringent quality control requirements guarantee the required performance.

These connectors, designed for today's applications, offer proof of our capability to design connectors for your specific requirement.

STYLE	PART	PAGE	STYLE	PART	PAGE
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AP SERIES	SPECIFICATIONS	3	PCPHP, PCPHR & PCPHAE, 400 & 500 SERIES	400,420,450, 490,520	51,52
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	23	11-12	PCPHU P&S SERIES	162 SPECIFICATIONS	57
	36	13-14			58
	37	15-16	HA SERIES	SPECIFICATIONS	59
	45	17-18		2 TOOLS	60
	15 SHELLS	19			61
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	COAX	25-26		42	65
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CB SERIES	BRACKETS	34	M2 SERIES	6	73-75,77
AEP SERIES	72	35-36		60	76,78
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PCPB	30,40,60,70	39			
PCPE SERIES	34	40			
PCPC	90,92,93,120	41,42			
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	56,72,128,140,224,280	46			
PCPHP PCPHR SERIES	175,280,320,350, SPECIFICATIONS	47			
	350	48			



AEP 72 SERIES



MTG. RIVET - 0.060 O.D.
0.046 I.D. x 0.07 DP.
(2 PLACES)



AEP72P-1JV2

SPECIFICATIONS

ELECTRICAL

Contact Rating	3 amperes
Solder Cup Accomodation	One #24 AWG Wire
Dielectric Withstanding Voltage	
Contact to Contact, Sea Level	1000 Volts RMS Minimum
Contact to Contact, 70,000 Ft.	300 Volts RMS Minimum

MECHANICAL

Contact Diameter	0.028 Inch
Polarization	Contact Arrangement
Socket Contacts	Spring Tempered Grade "A" Phosphor Bronze, Gold plated (0.00005 Inch) per MIL-G-45204, Type II, Class 1 over Copper Plate (Other Platings also available)
Pin Contacts	Grade "A" Phosphor Bronze, Gold Plated (0.00005 Inch) per MIL-G-45204 Type II, Class I over Copper Plate (Other Platings also available)
Guide Pins, Sockets	Stainless Steel, Passivated
Mounting Rivets & Threaded Inserts	Stainless Steel, Passivated
Insulation Material	Diallyl Phthalate, Glass Filled per MIL-M-14, Type GDI-30F
Temperature Range	-65? C to +125? C

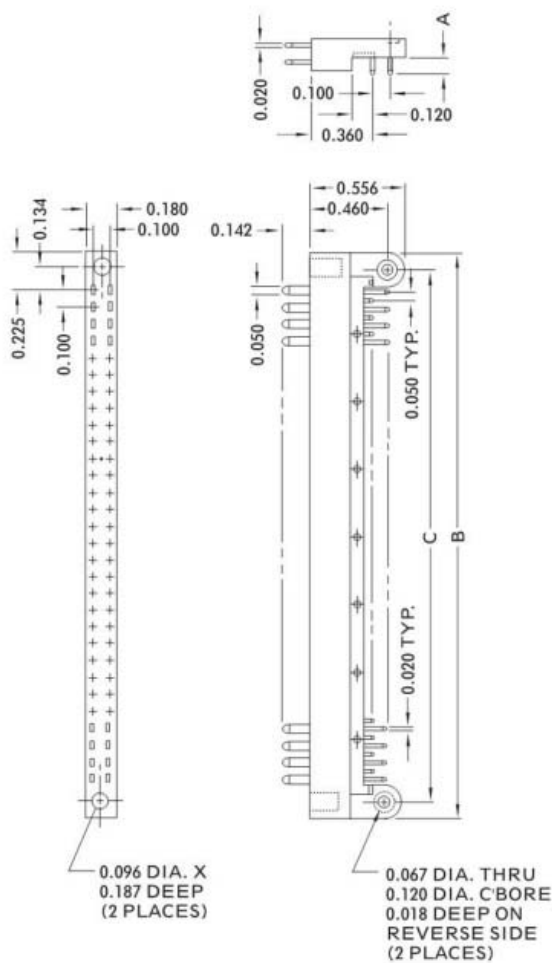
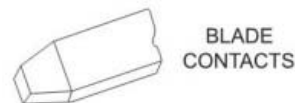
Approximate Weight	
AEP72 (pin)	.51 oz.
AEP72 (socket)	.59 oz.

Questions? Contact Armel Electronics at: 1.800.840.0666

printed circuit connectors

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PCP SERIES



NO. OF CONTACTS	PART NO.	A	B	C
34	PCP-34P-2L2T3	.080	2.05	1.850
	PCP-34P-3L2T3	.120		
	PCP-34P-4L2T3	.095		
60	PCP-60P-2L2T3	.080	3.35	3.150
	PCP-60P-9L2T3	.120		
	PCP-60P-4L2T3	.095		
80	PCP-80P-2L2T3	.080	4.35	4.150
	PCP-80P-3L2T3	.120		
	PCP-80P-4L2T3	.095		

SPECIFICATIONS

ELECTRICAL

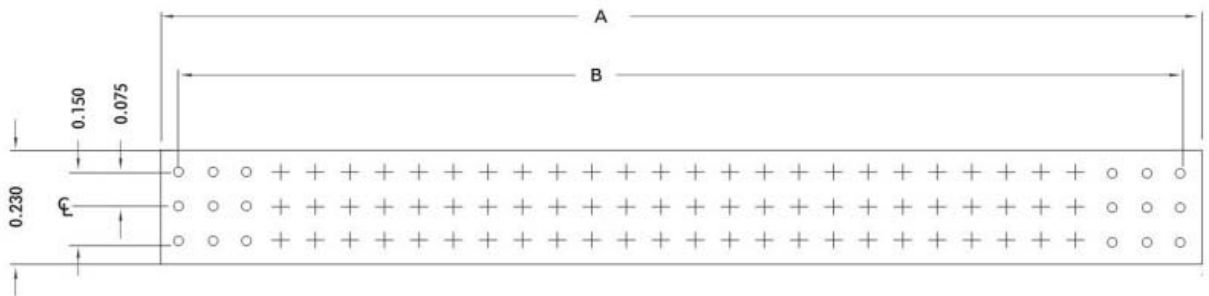
Current Rating 3 amperes
 Dielectric Withstanding Voltage
 Contact to Contact
 Sea Level 1500 Volts
 70,000 Feet 375 Volts

MECHANICAL

Contact Material Brass, QQ-B-613
 1/2 Hard, Comp. 2
 Contact Finish Gold Plated, MIL-G-45204
 Type II, Class 1 over
 Nickel Plate, QQ-N-290
 Type VII, Class 1
 Insulation Material Diallyl Phthalate
 MIL-M-14, Type SDG-F
 Color Black



PCPC SERIES



PART NO.	A	B
PCPC-90P-1L2N3	2.25	2.175
PCPC-92P-1L2N3	2.33	2.250
PCPC-93P-1L2N3	2.33	2.250
PCPC-120P-1L2N3	3.00	2.925

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 41

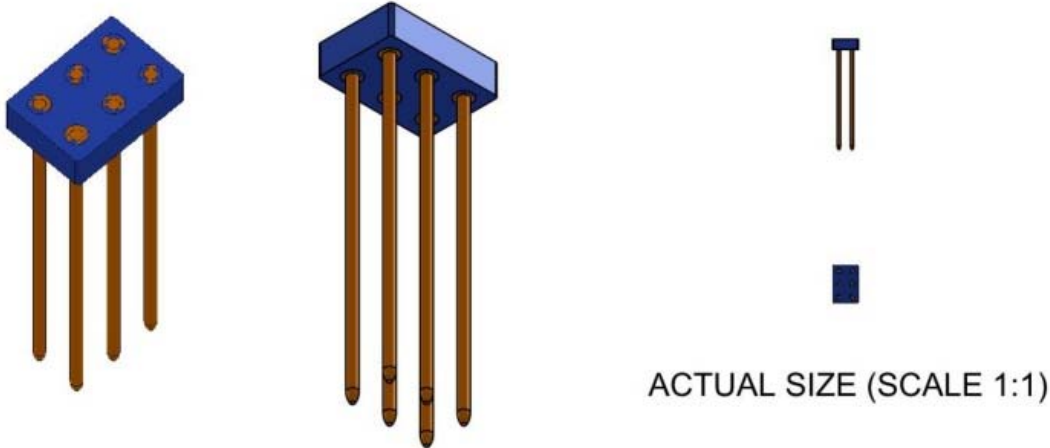
Questions? Contact Armel Electronics at: 1.800.840.0666

printed circuit connectors

M2 SERIES



6 POSITION HEADER ASSY



SPECIFICATIONS

ELECTRICAL

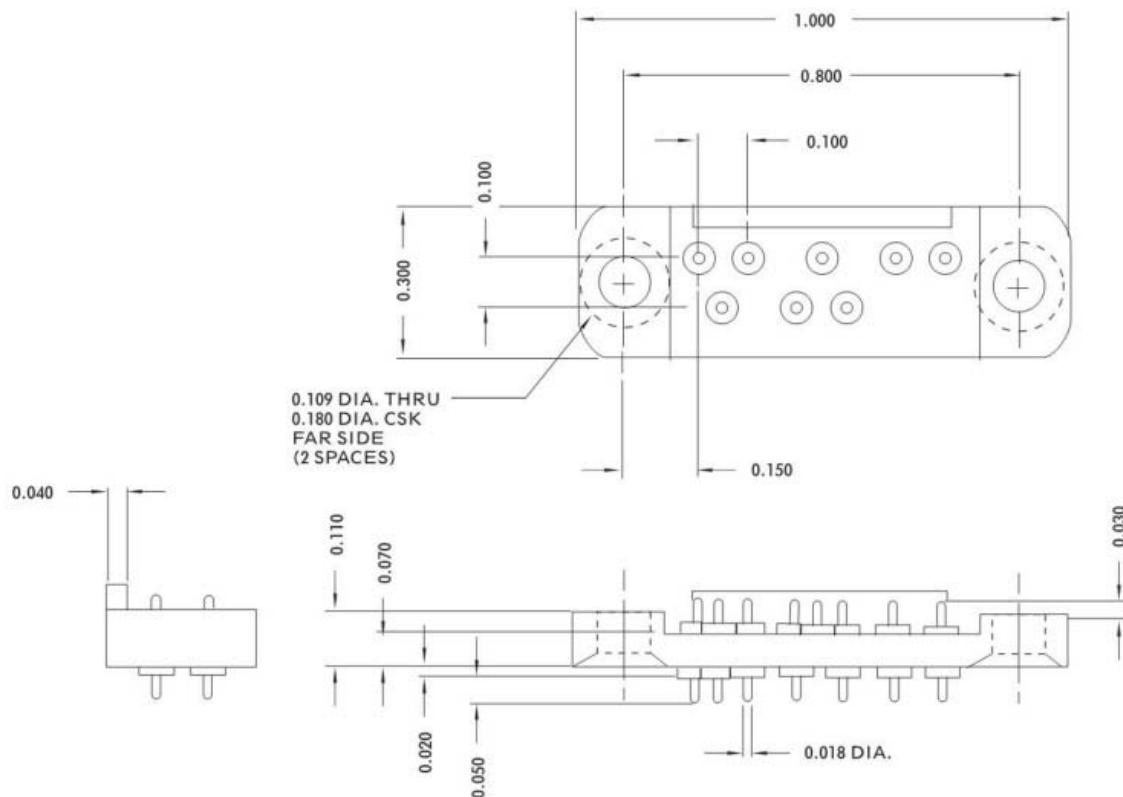
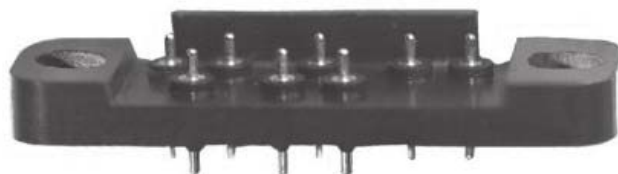
Current Rating.....2 amperes @ 80°C Ambient
 Dielectric Withstanding Voltage.....
 Contact to Contact
 Sea Level.....1000 VRMS @ 60 Hz

MECHANICAL

Contact Material.....Brass Wire Alloy C36000 H02 Temper per ASTM B16.
 Contact Finish.....(0.000025 In. Min. Thk.) Cobalt Gold Plate, Grade C over (0.000025 In. Min. Thk.) Gold Plate (24 Carat) per MIL-G-45204, Type I, Grade A over (0.0001 In. Min. Thk.) Nickel Plate per QQ-N-290, Type VII, Class 1 (Low Stress Nickel) over (0.0001 In. Min. Thk.) Copper Plate Per MIL-C-14550, Class 4;
 Insulation Material.....Short Glass Fiber Filled Diallyl Phthalate per ASTM D5948, Type SDG-F, Color: Blue



DPC 8 SERIES



DPC-8L2T3

SPECIFICATIONS

Current Rating 1 Ampere
Dielectric Withstanding Voltage 500 Volts

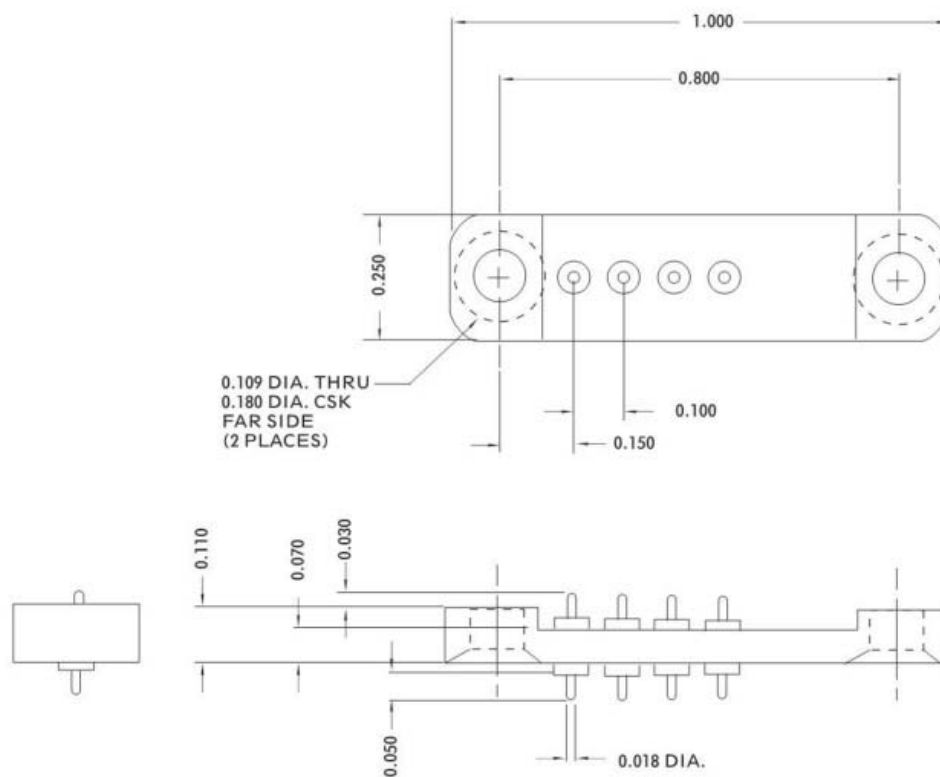
CONTACTS :

Contact Material Brass. Per ASTM-B-16/16M
Contact Finish Gold Plated per MIL-G-45204, Type II, Class 1
Over Nickel Plate per QQ-N-290, Type VII, Class 1
Insulation Material Diallyl Phthalate per MIL-M-14, Type SDG-F, Color Black

Questions? Contact Armel Electronics at: 1.800.840.0666

printed circuit connectors

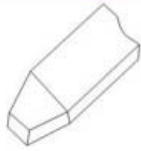
DPC 4 SERIES



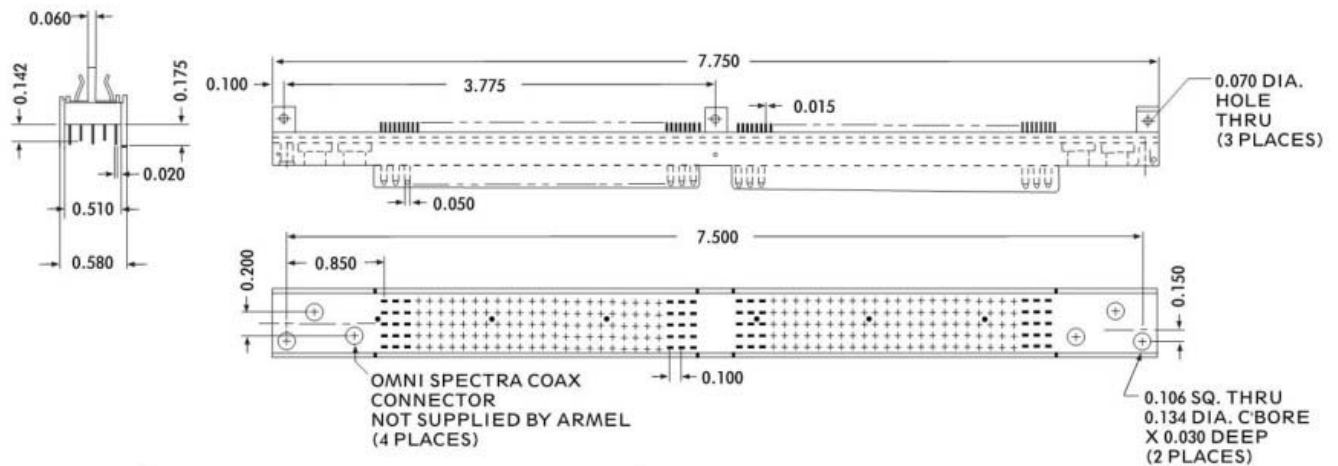
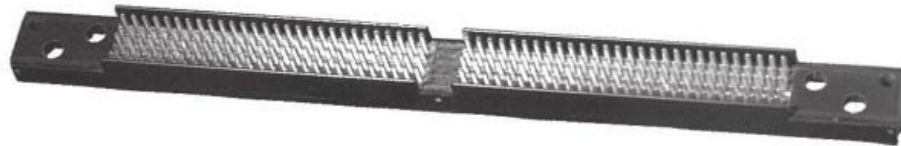
DPC-4-L2T3

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 68

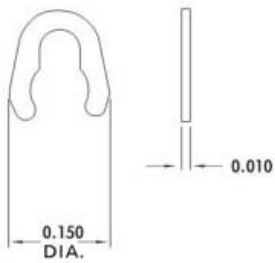
PCPHR-PR SERIES



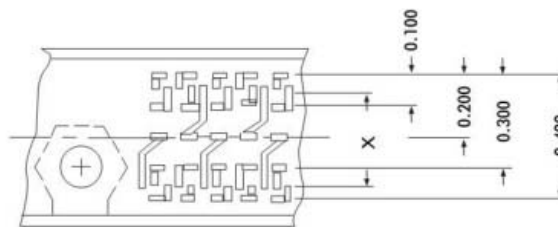
BLADE CONTACTS



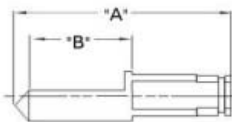
PCPHR-280PR-3L2FT3



1007424-1

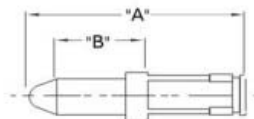


TRANSPARENT VIEW AS SEEN FROM MATING SIDE



1007428-

PART NO.	A	B
1007428-1	0.520	0.250
1007428-2	0.550	0.280



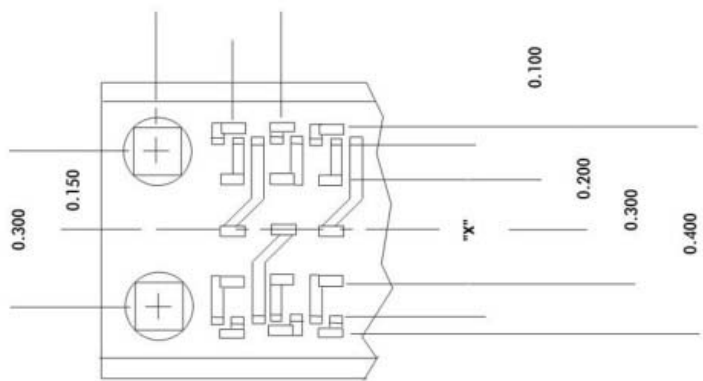
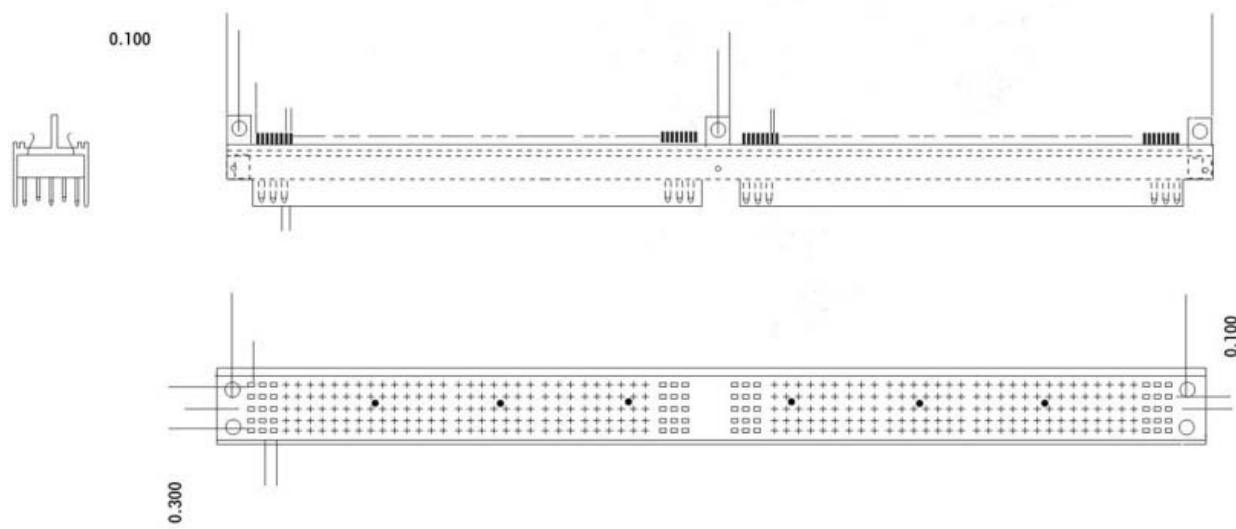
1007431-

PART NO.	A	B
1007431-1	0.662	0.360
1007431-2	0.852	0.550
1007431-3	1.002	0.700

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 45



PCPHP PCPHR SERIES



- PCPHR-350P-3 L2FT3
- Contact Plating
 - Contact Tails Hot Solder Dipped
 - Insulation Material
 - Contact Style & Spacing
 - Pin Contact
 - Number of Contacts
 - Shroud Style

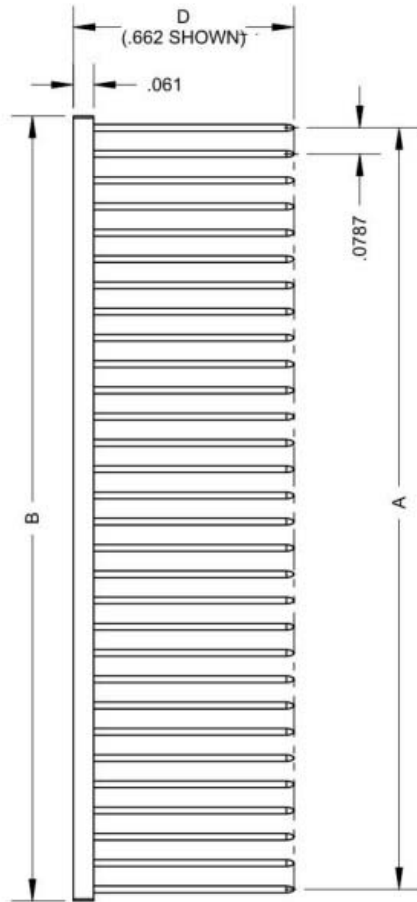
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 47

Questions? Contact Armel Electronics at: 1.800.840.0666

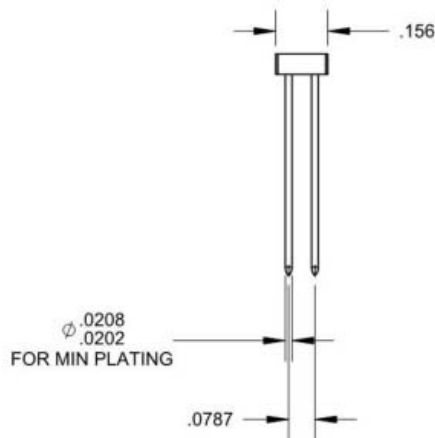


M2 SERIES

DIMENSIONS FOR HEADER ASSEMBLIES FROM 2 TO 60 CONTACTS



HEADER ASSEMBLY TABLE					*	D ± .005
PART NO	DRAWING NO	A±.002	B+0/- .008	CONTACTS		
M2-60P- ⁻ 02-2L2FT3	9942- ⁻ 0	2.282	2.352	60	1	.662
M2-58P- ⁻ 02-2L2FT3	9942- ⁻ 1	2.204	2.274	58	2	.837
M2-56P- ⁻ 02-2L2FT3	9942- ⁻ 2	2.125	2.195	56	3	.600
M2-54P- ⁻ 02-2L2FT3	9942- ⁻ 3	2.046	2.116	54	4	.750
M2-52P- ⁻ 02-2L2FT3	9942- ⁻ 4	1.968	2.038	52		
M2-50P- ⁻ 02-2L2FT3	9942- ⁻ 5	1.889	1.959	50		
M2-48P- ⁻ 02-2L2FT3	9942- ⁻ 6	1.810	1.880	48		
M2-46P- ⁻ 02-2L2FT3	9942- ⁻ 7	1.731	1.801	46		
M2-44P- ⁻ 02-2L2FT3	9942- ⁻ 8	1.653	1.723	44		
M2-42P- ⁻ 02-2L2FT3	9942- ⁻ 9	1.574	1.644	42		
M2-40P- ⁻ 02-2L2FT3	9942- ⁻ 10	1.495	1.565	40		
M2-38P- ⁻ 02-2L2FT3	9942- ⁻ 11	1.417	1.487	38		
M2-36P- ⁻ 02-2L2FT3	9942- ⁻ 12	1.338	1.408	36		
M2-34P- ⁻ 02-2L2FT3	9942- ⁻ 13	1.259	1.329	34		
M2-32P- ⁻ 02-2L2FT3	9942- ⁻ 14	1.181	1.251	32		
M2-30P- ⁻ 02-2L2FT3	9942- ⁻ 15	1.102	1.172	30		
M2-28P- ⁻ 02-2L2FT3	9942- ⁻ 16	1.023	1.093	28		
M2-26P- ⁻ 02-2L2FT3	9942- ⁻ 17	0.944	1.014	26		
M2-24P- ⁻ 02-2L2FT3	9942- ⁻ 18	0.866	0.936	24		
M2-22P- ⁻ 02-2L2FT3	9942- ⁻ 19	0.787	0.857	22		
M2-20P- ⁻ 02-2L2FT3	9942- ⁻ 20	0.708	0.778	20		
M2-18P- ⁻ 02-2L2FT3	9942- ⁻ 21	0.630	0.700	18		
M2-16P- ⁻ 02-2L2FT3	9942- ⁻ 22	0.551	0.621	16		
M2-14P- ⁻ 02-2L2FT3	9942- ⁻ 23	0.472	0.542	14		
M2-12P- ⁻ 02-2L2FT3	9942- ⁻ 24	0.394	0.464	12		
M2-10P- ⁻ 02-2L2FT3	9942- ⁻ 25	0.315	0.385	10		
M2-08P- ⁻ 02-2L2FT3	9942- ⁻ 26	0.236	0.306	8		
M2-06P- ⁻ 02-2L2FT3	9942- ⁻ 27	0.157	0.227	6		
M2-04P- ⁻ 02-2L2FT3	9942- ⁻ 28	0.079	0.149	4		
M2-02P- ⁻ 02-2L2FT3	9942- ⁻ 29	0.000	0.070	2		



FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE CATALOG PAGES 75 & 77

Questions? Contact Armel Electronics at: 1.800.840.0666

printed circuit connectors

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GENERAL SPECIFICATIONS



SUFFIX 1

- S Socket Contacts, Open Entry
- K Socket Contacts, Closed Entry
- M&P Pin Contacts

SUFFIX 2

- J Diallyl Phthalate, Glass-Fiber Filled per MIL-M-14, Type GDI-30F
- L Diallyl Phthalate, Glass-Fiber Filled per MIL-M-14, Type SDG-F
- L2 Diallyl Phthalate, Glass-Fiber Filled per MIL-M-14, Type SDG-F Color Black
- H Diallyl Phthalate, Orlon Filled per MIL-M-14, Type SDI-5

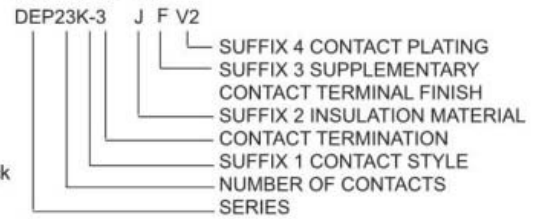
SUFFIX 3

- None No Supplementary Contact Terminal Finish
- F Solder (60-40) with Water Soluble Rosin Flux (Solder cup prefilled)
(Right Angle, Straight Pin, Eyelet and Turret - Dip Soldered)

SUFFIX 4

- V2 Gold Plate (0.00005) per MIL-G-45204, Type II, Class I over Copper Strike
- T3 Gold Plate (0.00005) per MIL-G-45204, Type II, Class I over Nickel Plate (0.0001) per QQ-N-290, Type VII, Class I (low stress nickel) over Copper Plate per MIL-C-14550, Class 4.
- T6 Gold Plate (0.00005) per MIL-G-45204, Type II, Class I, Grade C over Gold Plate per MIL-G-45204, Type I, Class 00, Grade A over Nickel Plate per QQ-N-290, 30-50 microinches (low stress nickel) over Copper Plate per MIL-C-14550, Class 4.
- T7 Gold Plate (0.00005) per MIL-G-45204, Type II, Class 1, Grade B over Gold Plate (0.00005) per MIL-G-45204, Type I, Class 1, Grade A, over 50-100 microinches (Low Stress Nickel) per QQ-N-290, Type VII, Class 1, Grade G over Copper Plate per MIL-C-14550, Class 4. (OTHER PLATINGS AVAILABLE UPON REQUEST)

PART NUMBER

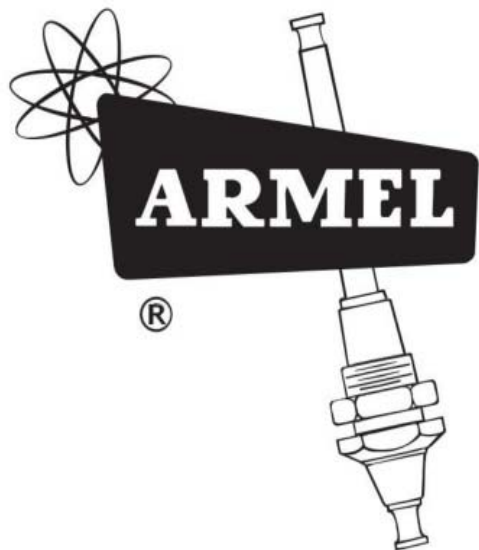
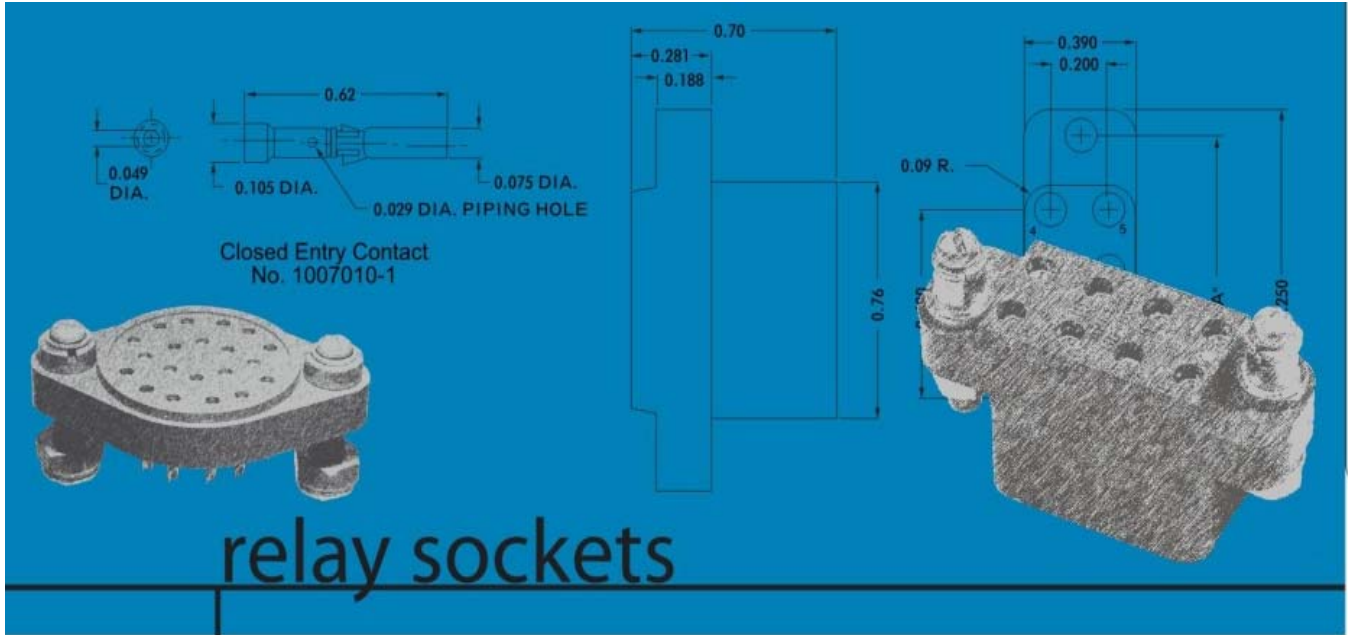


GENERAL

- 1 Meet or exceed applicable requirements of MIL-C-55302
- 2 Adheres to Grid System
- 3 Adaptable for Automation
- 4 May be Dip Soldered to the board
- 5 Either or both male or female may be card mounted
- 6 Available for straight or right angle mounting
- 7 May be used with single or double sided boards
- 8 Adaptable for use with boards of various thickness
- 9 Closely controlled board tolerances not required
- 10 Reduces possibility of moisture contamination
- 11 Eliminates wear or abrasion to board contact fingers
- 12 Both Pin and Socket Contacts are precision machined
- 13 Socket Contacts free floating, Pin Contacts molded in place
- 14 Secured to board by Stud or Rivet
- 15 Polarized by Guide Pins, and Contact arrangement
- 16 Additional Polarization or keying accomplishing by omission of contacts, by Guide Pins, and Contact arrangement
- 17 Closed-entry contacts meet probe damage test of MIL-C-5015
- 18 Contacts Gold Plated for low contact resistance

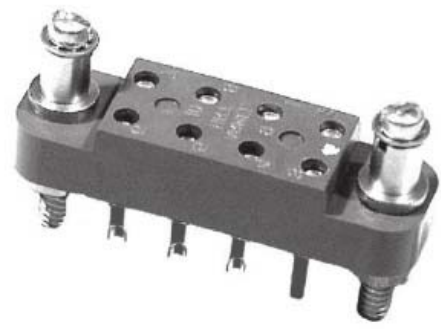
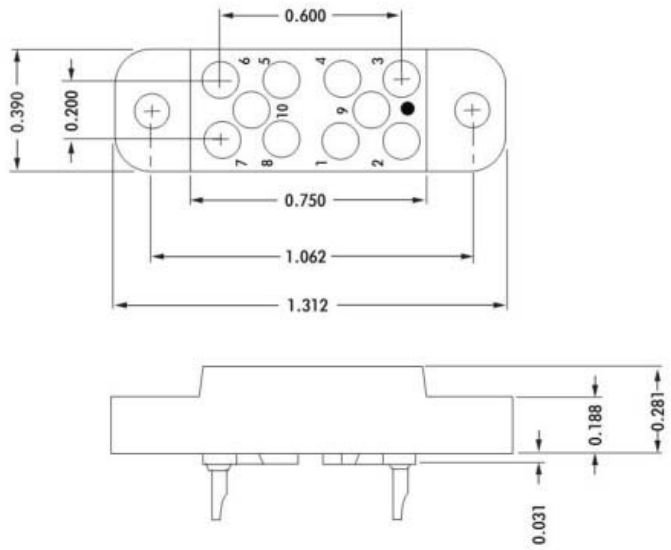
MATERIAL and FINISH SPECIFICATIONS

- Stainless Steel QQ-S-763/766 Type 303 (non-magnetic)
- Cold Roll Steel QQ-S-640, Composition CR
- Brass QQ-B-626
- Phosphor Bronze QQ-B-750
- Beryllium Copper QQ-C-533
- Aluminum QQ-A-365
- Cadmium Plate QQ-P-416, Type II, Class 2
- Nickel Plate QQ-N-290, Type VII, Class 2
- Passivate QQ-P-35 / AMS 2700
- Hot Tin Dip Centriuged & Reflowed,
Solder Per QQ-S-571 SN60. Flux per
MIL-F-14256, Type R or RMA.





HRTA SERIES



ELECTRICAL:

Wire Size
 Solder Cup Type One #20 AWG
 Eyelet Type Two #20 AWG or Three #22 AWG
 Current Rating 3 Amperes
 Withstanding Voltage:
 Contact to Contact Sea Level . . .1500 VRMS Minimum
 Contact to Ground Sea Level . . .1500 VRMS Minimum
 Contact to Contact 70,000 Ft. . . .375 VRMS Minimum
 Contact to Ground 70,000Ft. . . .375 VRMS Minimum

MECHANICAL:

Creepage Between Contacts 0.17 Minimum
 Air Space Between Contacts 0.11 Minimum
 Contacts to Accept 0.030 + 0.001 DIA. Pins

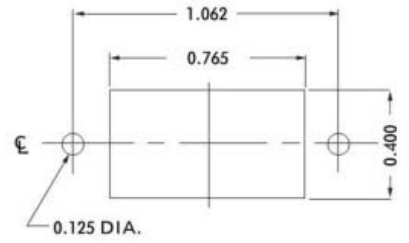
Contacts:
 Spring Temper Grade "A" Phosphor Bronze or Heat Treated Beryllium Copper
 Gold Plated over Copper or Nickel Plate

Mounting Hardware:
 Special Studs, Screws, Lockwashers, and Nuts

Insulation Material
 Choice of **MIL Approved** Thermosetting Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C
 Weight of Socket with Mountings: 0.30 oz.

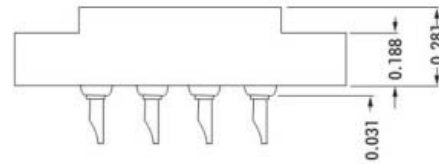
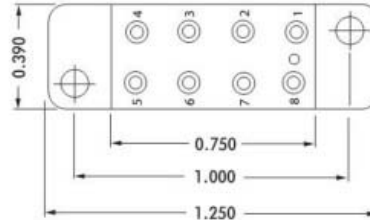
CONTACT DATA	CHASSIS MOUNTING DATA				
	CHASSIS THICKNESS	X-DIMENSION	MOUNTING TYPE		
			BELOW CHASSIS	BELOW CHASSIS	ABOVE CHASSIS
OPEN ENTRY	SOLDER CUP	1/16	.17	HRTA - 1	
		3/32	.14		HRTA - 31
		1/8	.12		HRTA - 41
	EYELET	1/16	.17	HRTA - 5	
		3/32	.14		HRTA - 35
		1/8	.12		HRTA - 45
STRAIGHT	1/16			HRTA - 4	
	3/32			HRTA - 34	
	1/8				
CLOSED ENTRY	SOLDER CUP	1/16	.17	HRTA - 1K	HRTA - 2K
		3/32	.14		
		1/8	.12		
	EYELET	1/16	.17	HRTA - 5K	
		3/32	.14		HRTA - 35K
		1/8	.12		HRTA - 45K
STRAIGHT	1/16			HRTA - 4K	
	3/32			HRTA - 34K	
	1/8				



RECOMMENDED CHASSIS CUT-OUT

Questions? Contact Armel Electronics at: 1.800.840.0666

HRTS SERIES



CONTACT DATA	CHASSIS MOUNTING DATA					
	CHASSIS THICKNESS	X-DIMENSION	BELOW CHASSIS	BELOW CHASSIS	ABOVE CHASSIS	
OPEN ENTRY	SOLDER CUP	1/16	.17	HRTS - 13		HRTS - 14
		3/32	.14			
		1/8	.12			
	EYELET	1/16	.17	HRTS - 17		HRTS - 18
		3/32	.14			
		1/8	.12			
	STRAIGHT	1/16	.17	HRTS - 15		HRTS - 16
		3/32				
	WIRE WRAP	1/8	.17	HRTS - 44		
		0.045 5Q	1/16	.17	HRTS - 518		HRTS - 412
0.80						
CLOSED ENTRY	SOLDER CUP	1/16	.17	HRTS - 13K		HRTS - 14K
		3/32	.14			
		1/8	.12			
	EYELET	1/16	.17	HRTS - 17K		HRTS - 18K
		3/32	.14			
		1/8	.12			
	STRAIGHT	1/16				HRTS - 16K
		3/32				
	WIRE WRAP	1/8				
		0.025 5Q	1/16	.17	HRTS - 518K		HRTS - 519K
0.72						

ELECTRICAL:

Wire Size
 Solder Cup Type. One #20 AWG
 Eyelet Type. Two #20 AWG or
 Three #22 AWG
 Current Rating. 3 Amperes
 Withstanding Voltage:
 Contact to Contact Sea Level. 2700 VRMS Minimum
 Contact to Ground Sea Level. 1500 VRMS Minimum
 Contact to Contact 70,000 Ft. 560 VRMS Minimum
 Contact to Ground 70,000 Ft. 375 VRMS Minimum

MECHANICAL

Creepage Between Contacts. 0.17 Minimum
 Air Space Between Contacts. 0.11 Minimum
 Contacts to Accept 0.030 + 0.001 DIA. Pins

Contacts:

Spring Temper Grade "A" Phosphor Bronze, or
 Heat Treated Beryllium Copper
 Gold Plated over Copper or Nickel Plate

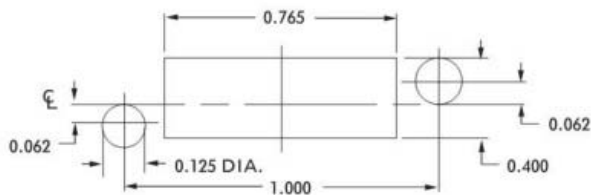
Mounting Hardware:

Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

Choice of **MIL Approved** Thermosetting
 Insulations (See Page 45)

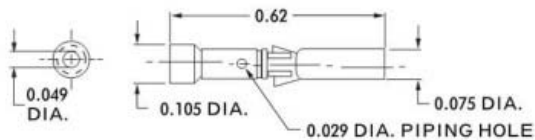
Temperature Ratings: -65°C to + 125°C
 Weight of Socket with Mountings: 0.26 oz.



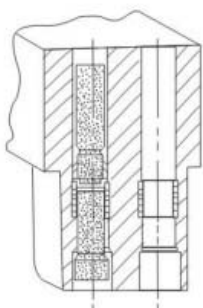
RECOMMENDED CHASSIS CUT-OUT



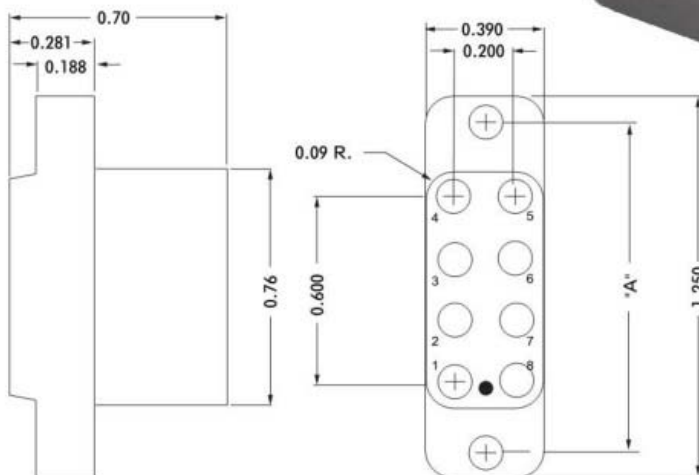
HRTS-CK SERIES



Closed Entry Contact
No. 1007010-1



Crimp
Removable Contacts



SPECIFICATIONS

ELECTRICAL

- Current Rating 3 Amperes
- Contact Size 0.030 inch
- Terminal Accomodation One No.20, One No.22,
One or Two No. 24 AWG Wire
- Withstanding Voltage:
 - Contact to Contact Sea Level. 2700 VRMS Minimum
 - Contact to Ground Sea Level. 1500 VRMS Minimum
 - Contact to Contact 70,000 Ft. 560 VRMS Minimum
 - Contact to Ground 70,000 Ft. 375 VRMS Minimum

MECHANICAL

- Creepage Between Contacts. 0.12 Minimum
- Air Space Between Contacts. 0.09 Minimum
- Contacts to Accept 0.030 ± 0.001 DIA. Pins
- Contact Material & Plating Phosphor Bronze, Gold Plated
(Sleeve - Brass)
(0.000050 Inch) Per MIL-G-45204
Type II, Class 1 over Copper Plate
- Contact Retaining Clip Stainless Steel, Passivated
- Crimping Tool No. MS 3191A
- Positioner No. KP7010
- Insertion Tool Not required

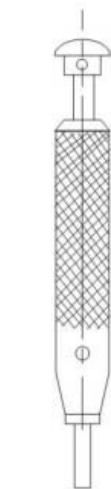
Mounting Hardware:

Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

Choice of **MIL Approved** Thermosetting
Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C
Weight of Socket with Mountings: 0.45 oz.

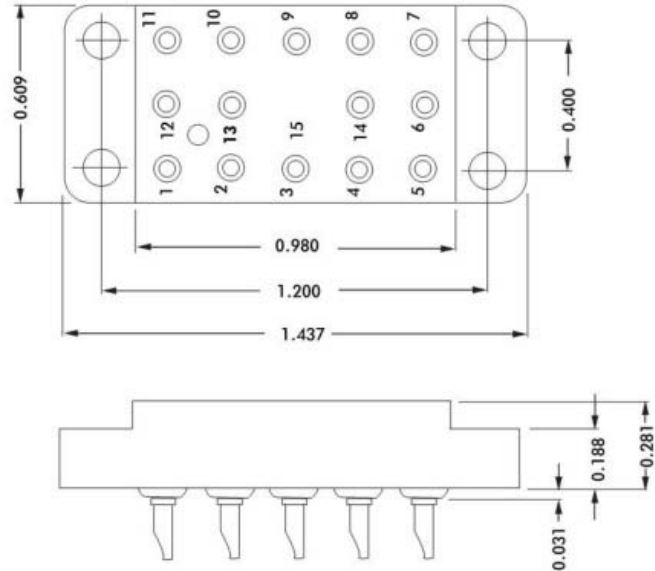


Removing Tool
No. T9066-2

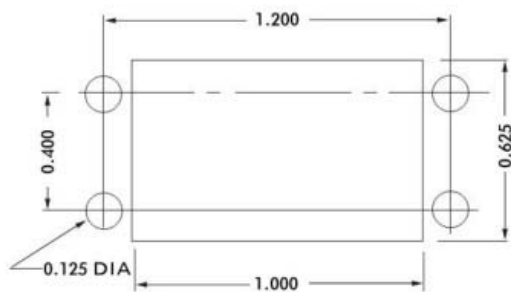
PART NO.	NUMBER OF CONTACTS	"A"
HRTS-CK-13	8	1.000
HRTS-CK-103	10	1.000
HRTS-CK-2003	8	1.078

Questions? Contact Armel Electronics at: 1.800.840.0666

HRCC SERIES



CONTACT DATA	CHASSIS MOUNTING DATA					
	CHASSIS THICKNESS	X-DIMENSION	BELOW CHASSIS	BELOW CHASSIS	ABOVE CHASSIS	
CONNECTIVITY SOLDER CUP EYELET STRAIGHT WIRE WRAP	1/16	.17	HRCC - 1		HRCC - 2	
	3/32	.14		HRCC - 31	HRCC - 32	
	1/8	.12		HRCC - 41	HRCC - 42	
	1/16	.17	HRCC - 5		HRCC - 6	
	3/32	.14		HRCC - 35	HRCC - 36	
	1/8	.12		HRCC - 45	HRCC - 46	
	1/16				HRCC - 4	
	3/32				HRCC - 34	
	1/8					
	0.045 SQ.	1/16	.17	HRCC - 718		HRCC - 719
	3/32					
	1/8					
CLOSEMOUNT CONNECTIVITY SOLDER CUP EYELET STRAIGHT WIRE WRAP	1/16	.17	HRCC - 1K		HRCC - 2K	
	3/32	.14		HRCC - 31K	HRCC - 32K	
	1/8	.12		HRCC - 41K	HRCC - 42K	
	1/16	.17	HRCC - 5K		HRCC - 6K	
	3/32	.14		HRCC - 35K	HRCC - 36K	
	1/8	.12		HRCC - 45K	HRCC - 46K	
	1/16				HRCC - 4K	
	3/32					
	1/8					
	0.025 SQ.	1/16	.17	HRCC - 513K		HRCC - 18K
	3/32	.23	HRCC - 13K			
	1/8					



RECOMMENDED CHASSIS CUT-OUT

ELECTRICAL

Wire Size:

- Solder Cup Type.....One #20 AWG
- Eyelet Type.....Two #20 AWG or Three #22 AWG

Current Rating..... 3 Amperes

Withstanding Voltage:

- Contact to Contact Sea Level..... 2700 VRMS Minimum
- Contact to Ground Sea Level..... 1500 VRMS Minimum
- Contact to Contact 70,000 Ft..... 560 VRMS Minimum
- Contact to Ground 70,000 Ft..... 375 VRMS Minimum

MECHANICAL

- Creepage Between Contacts..... 0.17 Minimum
- Air Space Between Contacts..... 0.11 Minimum
- Contacts to Accept 0.030 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

- Special Studs, Screws, Lockwashers, and Nuts

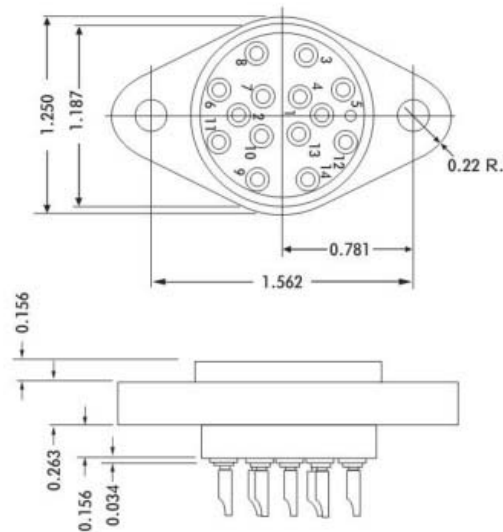
Insulation Material:

- Choice of MIL Approved Thermosetting Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C

Weight of Socket with Mountings: 0.43 oz.

HRP SERIES



CONTACT DATA	CHASSIS MOUNTING DATA			
	CHASSIS THICKNESS	X-DIMENSION	X	
			BELOW CHASSIS	ABOVE CHASSIS
 SOLDER CUP	1/16	.44	HRP - 1	HRP - 2
	3/32	.41	HRP - 31	HRP - 32
	1/8	.38	HRP - 41	HRP - 42
 TURRET	1/16	.44	HRP - 3	HRP - 4
	3/32	.41	HRP - 33	HRP - 34
	1/8	.38	HRP - 43	HRP - 44
 WIRE WRAP	1/16	.44	HRP - 19	
	3/32	.41	HRP - 39	
	1/8	.38	HRP - 49	

ELECTRICAL

Wire Size:

- Solder Cup Type One #16 AWG or Two #20 AWG
- Turret Type Two #16 AWG or Three #20 AWG

Current Rating 13 Amperes

Withstanding Voltage:

- Contact to Contact Sea Level 1800 VRMS Minimum
- Contact to Ground Sea Level 2700 VRMS Minimum
- Contact to Contact 70,000 Ft. 450 VRMS Minimum
- Contact to Ground 70,000 Ft. 560 VRMS Minimum

MECHANICAL

- Creepage Between Contacts 0.12 Minimum
- Air Space Between Contacts 0.06 Minimum
- Contacts to Accept 0.062 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

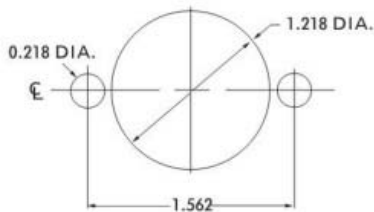
- Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

- Choice of "MIL Approved" Thermosetting Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C

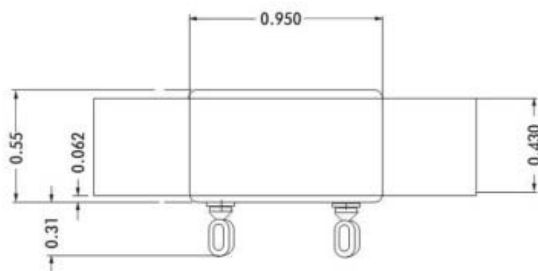
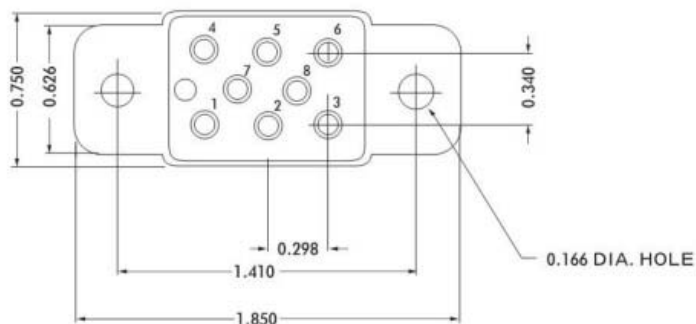
Weight of Socket with Mountings: 1.54 oz.



RECOMMENDED CHASSIS CUT-OUT



HRY SERIES



HRY-285

ELECTRICAL

Wire Size:
 Solder Cup Type N.A.
 Eyelet Type One #16 AWG or
 Two #20 AWG
 Current Rating 10 Amperes

MECHANICAL

Creepage Between Contacts 0.07 Minimum
 Air Space Between Contacts 0.07 Minimum
 Contacts to Accept 0.060 ± 0.005 DIA. Pins

Contacts:

Heat Treated Beryllium Copper
 Gold Plated over Copper or Nickel Plate

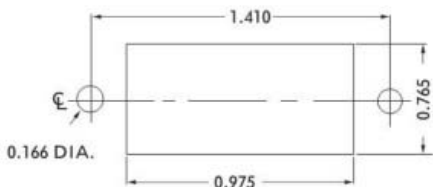
Mounting Hardware:

Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

Choice of "MIL Approved" Thermosetting
 Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C
 Weight of Socket with Mountings: 0.85 oz.

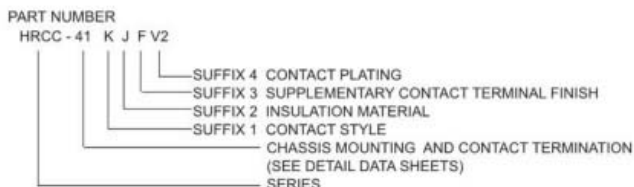


RECOMMENDED CHASSIS CUT-OUT

Questions? Contact Armel Electronics at: 1.800.840.0666



ORDERING INSTRUCTIONS



MATERIAL CERTIFICATIONS

SUFFIX 1

NONE OPEN-ENTRY CONTACTS
K CLOSED-ENTRY CONTACTS

SUFFIX 2

J DIALYL PHTHALATE, GLASS-FIBER FILLED PER MIL-M-14, TYPE GDI 30F
L DIALYL PHTHALATE, GLASS-FIBER FILLED PER MIL-M-14, TYPE SDG-F
L2 DIALYL PHTHALATE, GLASS-FIBER FILLED PER MIL-M-14, TYPE SDG-F COLOR BLACK
H DIALYL PHTHALATE, ORLON-FILLED PER MIL-M-14, TYPE SDI-5

SUFFIX 3

NONE NO SUPPLEMENTARY CONTACT TERMINAL FINISH
F SOLDER (60-40) WITH WATER SOLUBLE ROSIN FLUX (SOLDER CUP-PREFILLED) (EYELET, STRAIGHT PIN, AND TURRET-DIPPED)

SUFFIX 4

V2 GOLD PLATE (0.00005) PER MIL-G-45204, TYPE II, CLASS 1 OVER COPPER PLATE
T3 GOLD PLATE (0.00005) PER MIL-G-45204, TYPE II, CLASS 1 OVER NICKEL PLATE (0.0001) PER QQ-N-290, TYPE VII, CLASS 1 (LOW STRESS NICKEL) OVER COPPER PLATE PER MIL-C-14550, CLASS 4
T6 GOLD PLATE PER MIL-G-45204, TYPE II, CLASS 1, GRADE C OVER GOLD PLATE PER MIL-G-45204, TYPE I, CLASS 00, GRADE A OVER NICKEL PLATE PER QQ-N-290 30-50 MICRONS (LOW STRESS NICKEL) OVER COPPER PLATE PER MIL-C-14550 CLASS 4
OTHER PLATINGS AVAILABLE UPON REQUEST

GENERAL

1. MEET OR EXCEED APPLICABLE REQUIREMENTS OF MIL-S-12883
2. UTILIZE PRECISION MACHINED CONTACTS OF SPRING TEMPER PHOSPHOR BRONZE AND/OR HEAT-TREATED BERYLLIUM COPPER. **AN ARMEL FIRST IS THE USE OF CONTACTS WITH EYELET-TYPE WIRE CONNECTION.**
3. ALL CONTACTS FREE FLOATING AND SECURELY CONTAINED.
4. CLOSED-ENTRY CONTACTS MEET PROBE DAMAGE TEST OF MIL-C-5015
5. CONTACTS GOLD PLATED FOR LOW CONTACT RESISTANCE
6. ADAPTABLE FOR AUTOMATION
7. REDUCES POSSIBILITY OF MOISTURE CONTAMINATION

MATERIAL AND FINISH SPECIFICATIONS

STAINLESS STEEL	QQ-S-763/766 TYPE 303 (NON-MAGNETIC)
COLD ROLL STEEL	QQ-S-640, COMPOSITION CR
BRASS	QQ-B-626
PHOSPHOR BRONZE	QQ-B-750
BERYLLIUM COPPER	QQ-C-533
CADMIUM PLATE	QQ-P-416, TYPE II, CLASS 2
NICKEL PLATE	QQ-N-290, TYPE VII, CLASS 2
PASSIVATE	QQ-P-35 / AMS 2700
HOT TIN DIP	MIL-T-10727, TYPE II

ARMEL ELECTRONICS, INC.

1601 75TH STREET NORTH BERGEN, NJ 07047

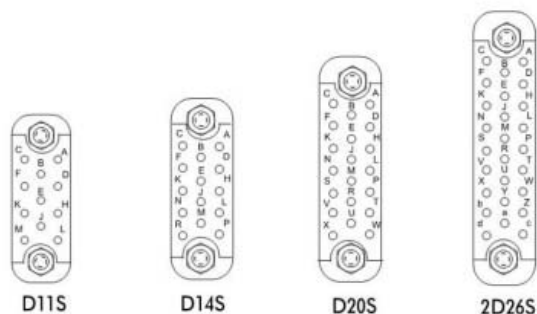
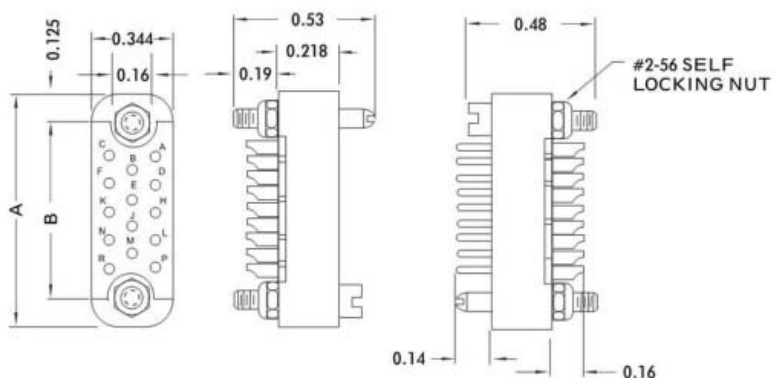
FAX 201-869-4304

WEBSITE WWW.ARMELELECTRONICS.COM

E-MAIL INFO@ARMELELECTRONICS.COM

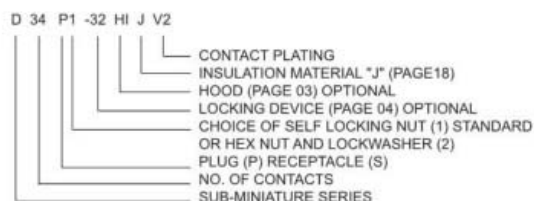
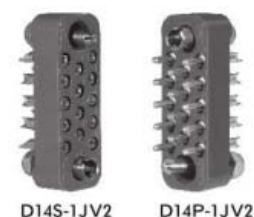
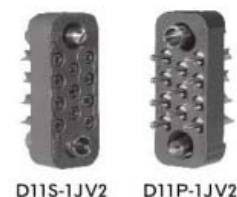


D SERIES



TERMINAL IDENTIFICATION
(VIEWED FROM WIRING END OF
FEMALE CONNECTOR)

Part No.	Type	No. Of Contact	Weight	Dimensions	
				A	B
D11 S IJV2	RECEPTACLE	11	0.11 oz.	0.88	0.625
D11 P IJV2	PLUG		0.14 oz.		
D14 S IJV2	RECEPTACLE	14	0.13 oz.	1.00	0.750
D14 P IJV2	PLUG		0.15 oz.		
D20 S IJV2	RECEPTACLE	20	0.16 oz.	1.25	1.000
D20 P IJV2	PLUG		0.20 oz.		
D26 S IJV2	RECEPTACLE	26	0.19 oz.	1.50	1.250
D26 P IJV2	PLUG		0.24 oz.		



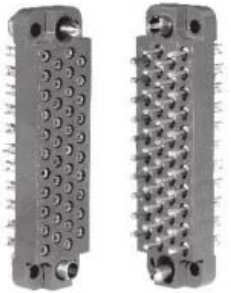
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 05

Questions? Contact Armel Electronics at: 1.800.840.0666

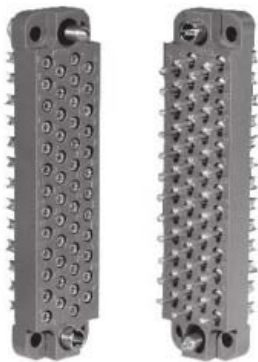
D SERIES



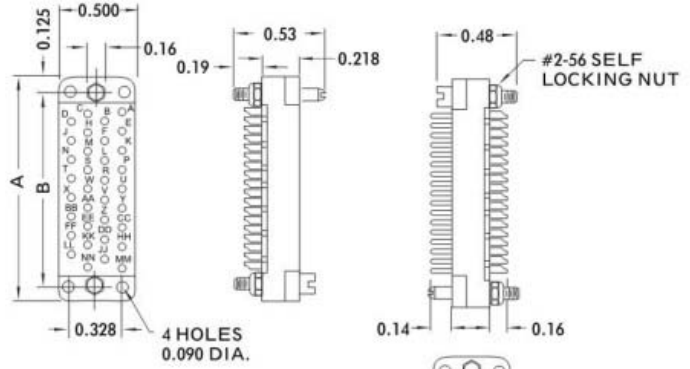
D34S-1JV2 D34P-1JV2



D42S-1JV2 D42P-1JV2



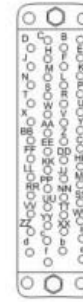
D50S-1JV2 D50P-1JV2



D34S



D42S

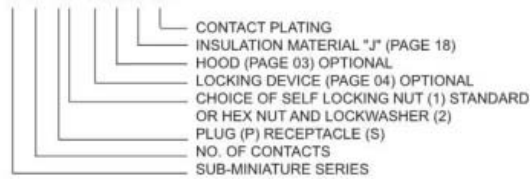


D50S

TERMINAL IDENTIFICATION
(VIEWED FROM WIRING END OF
FEMALE CONNECTOR)

Part No.	Type	No. Of Contact	Weight	Dimensions	
				A	B
D34 S 1JV2	RECEPTACLE	34	0.24 oz.	1.56	1.312
D34 P 1JV2	PLUG		0.31 oz.		
D42 S 1JV2	RECEPTACLE	42	0.30 oz.	1.81	1.562
D42 P 1JV2	PLUG		0.39 oz.		
D50 S 1JV2	RECEPTACLE	50	0.34 oz.	2.06	1.812
D50 P 1JV2	PLUG		0.46 oz.		

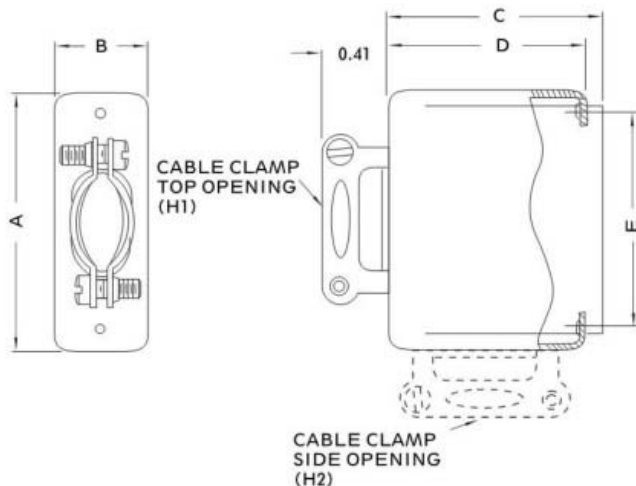
D 34 P1 -32 HI J V2



FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 05



D SERIES



Part No.	Clamp Position	Clamp Opening	Weight (Hood)	Dimensions				
				A	B	C	D	E
D11 H1	TOP	0.25 X 0.28	0.24 oz.	0.94	0.41	1.09	0.94	0.62
D11 H2	SIDE							
D14 H1	TOP	0.25 X 0.34	0.27 oz.	1.06	0.41	1.09	0.94	0.75
D14 H2	SIDE							
D20 H1	TOP	0.25 X 0.44	0.30 oz.	1.31	0.41	1.31	1.19	1.00
D20 H2	SIDE							
D26 H1	TOP	0.25 X 0.56	0.33 oz.	1.56	0.41	1.31	1.19	1.25
D26 H2	SIDE							
D34 H1	TOP	0.31 X 0.59	0.36 oz.	1.56	0.56	1.31	1.19	1.31
D34 H2	SIDE							
D42 H1	TOP	0.38 X 0.67	0.39 oz.	1.81	0.56	1.31	1.19	1.56
D42 H2	SIDE							
D50 H1	TOP	0.38 X 0.67	0.41 oz.	2.06	0.56	1.31	1.19	1.81
D50 H2	SIDE							

NOTE: CONNECTOR AND HOOD ASSEMBLY ORDER AS I.E. D20S-1-H1JV2

SPECIFICATIONS:

The aluminum hood with cable clamps provide excellent strain relief characteristics for the cable, forms a shield and acts as a convenient grip when disconnecting plug and receptacle.

Cable Clamp is mounted on 4 (instead of conventional 2) mounting legs, thereby providing a more rigid mounting with no cable sway in any direction.

Mounting:

Hood may be mounted on either male or female half of connector.

Material Aluminum per QQ-A-318
 Finish Anodized per MIL-A-8625



D34 H1



D50 H2

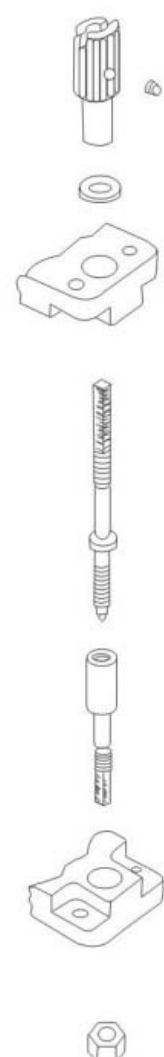
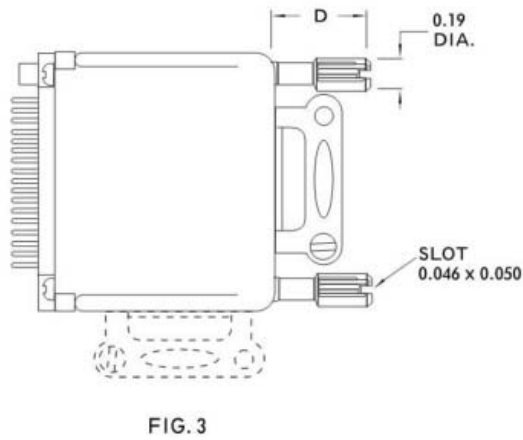
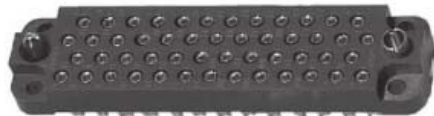
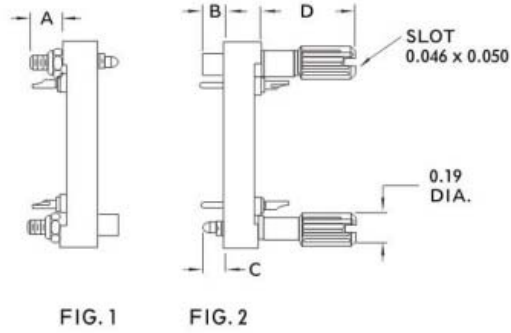
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 05

Questions? Contact Armel Electronics at: 1.800.840.0666

connectors

03

D SERIES



LOCKING DEVICE (POLARIZED)							FIG. NO.
PART NO.	WEIGHT		DIMENSIONS				
	ROTATING	NON-ROT	A	B	C	D	
21		.04 oz.	0.19	0.11	0.12	0.56	1
31	.18 oz.						2
32	.18 oz.						3

LOCKING DEVICE:
 POSITIVE LOCKING DEVICE HARDWARE
 PREVENTS DISENGAGEMENT DURING VIBRATION
 AND SHOCK AND AVOIDS ACCIDENTAL DISCONNECT.

MATERIAL: STAINLESS STEEL
 FINISH: PASSIVATED



SPECIFICATIONS

Listed below are the general specifications applicable to the illustrated D series rack and panel connectors.

ELECTRICAL

Current Rating	5 Amperes
Solder Pot Accommodation	One #20 AWG Wire
Dielectric-Withstanding Voltage Contact to Contact Sea Level	1500 VRMS Minimum

MECHANICAL

Contact Diameter	0.040
Creepage Between Contacts	0.06 Minimum
Air Space Between Contacts	0.05 Minimum
Polarization	Guide Pins and Contact Arrangement
Guide Pins and Sockets	Stainless Steel, Passivated
Female Contacts	Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper. Gold Plated over Copper or Nickel Plate
Male Contacts	Brass, Gold Plated over Copper or Nickel Plate
Self Locking Nut	Brass, Cadmium Plated, Gold Iridite finish
Hex Nut	
Lockwasher	Stainless Steel, Passivated
Insulation Material	Standard insulation material for "D" series connectors is Diallyl Phthalate, fiberglass filled, type GDI-30F Choice of other "Mil Approved" Thermosetting
Temperature Range.	-60°C to +125°C

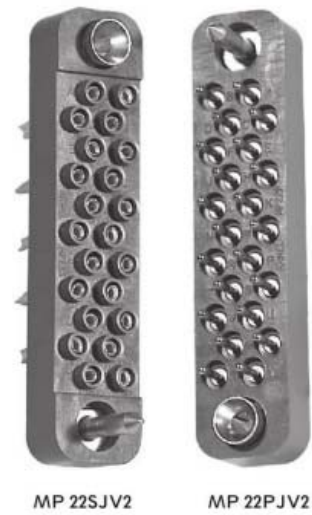
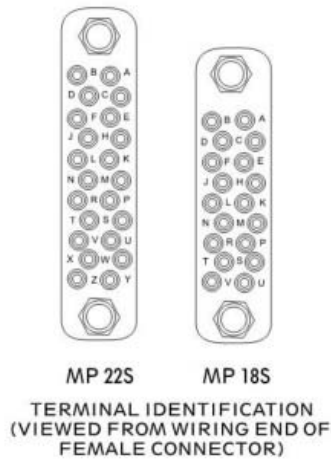
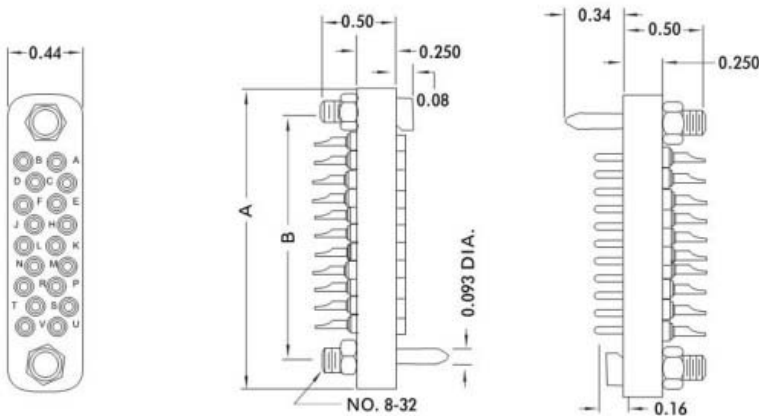
Questions? Contact Armel Electronics at: 1.800.840.0666

connectors

05



MP SERIES



Part No.	Type	No. Of Contacts	Weight	Dimensions	
				A	B
MP18SJV2	RECEPTABLE	18	0.36 oz.	1.75	1.437
MP18PJV2	PLUG		0.46 oz.		
MP22SJV2	RECEPTABLE	22	0.40 oz.	2.00	1.687
MP22PJV2	PLUG		0.52 oz.		

FOR HOODS SEE PAGE 08
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 09

Questions? Contact Armel Electronics at: 1.800.840.0666

MP SERIES



MP10H



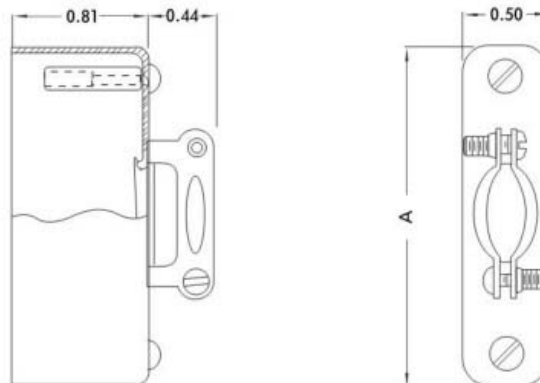
MP14H



MP18H



MP22H



Type	Cable Opening	Weight	Dimensions ?A?
MP10H	0.31 DIA.	0.25 oz.	1.31
MP14H	0.31 x 0.41	0.27 oz.	1.56
MP18H	0.31 x 0.50	0.28 oz.	1.81
MP22H	0.31 x 0.56	0.29 oz.	2.06

NOTE: CONNECTOR AND HOOD ASSEMBLY ORDER AS I.E. M14PH

HOOD:

ONE PIECE DRAWN ANODIZED ALUMINUM WITH NO SLITS OR SEAMS TO OPEN OR TEAR, PROVIDING MAXIMUM PROTECTION.

CABLE CLAMP:

ANODIZED ALUMINUM WITH FOUR (4) MOUNTING LEGS TO PROVIDE RIGID CABLE SUPPORT.

MOUNTING:

MOUNTED BY MEANS OF SPACER NUTS ON EITHER PLUG OR RECEPTACLE.



SPECIFICATIONS

The "MP" Rack and Panel Type Connectors were designed for use in Aircraft, Communications and instrumentation Work. Their weight and size make them particularly adaptable where space and weight limitations are factors.

High Current Leads

A leaf spring is provided in each pilot socket for contact, allowing the pilots to be utilized as high current ground leads.

Extra Creepage

"Bosses" provide extra creepage path.

Listed below are the general specifications applicable to the illustrated series of MP rack and panel connectors.

ELECTRICAL

Current Rating	5 Amperes
Solder Pot Accommodation	One #20 AWG Wire
Dielectric-Withstanding Voltage	
Contact to Contact Sea Level	1800 VRMS Minimum 450 VRMS Minimum

MECHANICAL

Contact Diameter	0.040
Creepage Between Contacts	0.14 Minimum
Air Space Between Contacts	0.06 Minimum
Polarization	Guide Pins and Contact Arrangement
Male Contacts and Guide Pins	Brass, Gold Plated over Copper or Nickel Plate
Female Contacts and Guide Sockets	Phosphor Bronze, Grade "A" Spring Tempered, Gold Plated over Copper or Nickel Plate.
Insulation Material	Choice of "Mil Approved" Thermosetting Insulations. (See Page 18)

Temperature Range	-65°C to +125°C
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Questions? Contact Armel Electronics at: 1.800.840.0666

connectors

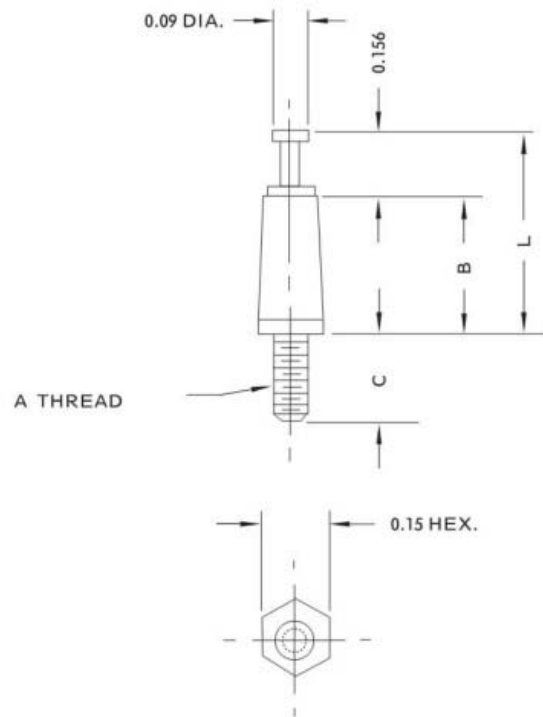
09



MINIATURE SERIES



PART NO.	L	B	C	A THREAD	BREAKDOWN VOLTAGE A.C.
DTMSC-727	0.39	0.234	0.218	2-56	10,000
DTMSC-746	0.39	0.234	0.188	4-40	10,000



SEE PAGE 22 FOR MATERIAL SPECIFICATIONS AND ORDERING INSTRUCTIONS.

Questions? Contact Armel Electronics at: 1.800.840.0666

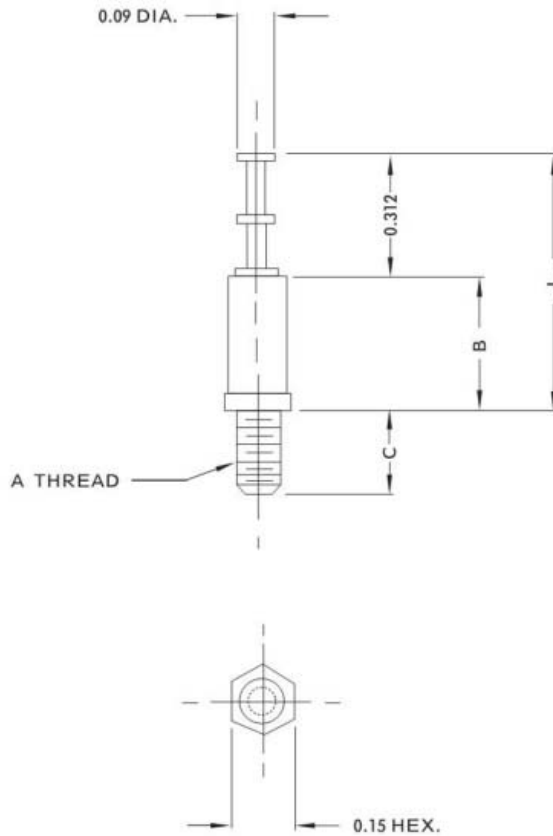
terminals

03

MINIATURE SERIES



PART NO.	L	B	C	A THREAD	BREAKDOWN VOLTAGE A.C.
DLT/MS-1247	0.70	0.390	0.218	4-40	11,000



SEE PAGE 22 FOR MATERIAL SPECIFICATIONS AND ORDERING INSTRUCTIONS.

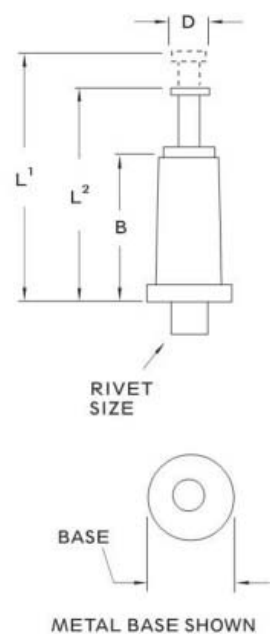
04

terminals

Questions? Contact Armel Electronics at: 1.800.840.0666



TURRET SERIES



PLASTIC BASE	METAL BASE	RIVET SIZE		DIMENSIONS				BREAKDOWN VOLTAGE AC
		Dia.	Length	" B "	" L ¹ "	" L ² "	" D "	
TR-12		0.098	3/32	3/8	23/32	19/32	1/4Hex.	6,000
	TMR-12		11/64				9/32Dia.	
TLR-12		0.125	1/8				1/4Hex.	
	TMR-12						5/16Dia.	
TR-16		0.098	3/32	1/2	27/32	23/32	1/4Hex.	9,000
	TMR-16		11/64				9/32Dia.	
TLR-16		0.125	1/8				1/4Hex.	
	TMR-16						5/16Dia.	
TR-17		0.098	3/32	17/32	7/8	3/4	1/4Hex.	10,000
	TMR-17		11/64				9/32Dia.	
TLR-17		0.125	1/8				1/4Hex.	
	TMR-17						5/16Dia.	
TR-19		0.098	3/32	19/32	15/16	13/16	1/4Hex.	12,000
	TMR-19		11/64				9/32Dia.	
TLR-19		0.125	1/8				1/4Hex.	
	TMR-19						5/16Dia.	

STR-12		0.098	3/32	3/8		19/32	1/4Hex.	6,000
	STMRR-12		11/64				9/32Dia.	
STLR-12		0.125	1/8				1/4Hex.	
	STM-12						5/16Dia.	
STR-16		0.098	3/32	1/2		23/32	1/4Hex.	9,000
	STMRR-16		11/64				9/32Dia.	
STLR-16		0.125	1/8				1/4Hex.	
	STM-16						5/16Dia.	
STR-17		0.098	3/32	17/32		3/4	1/4Hex.	10,000
	STMRR-17		11/64				9/32Dia.	
STLR-17		0.125	1/8				1/4Hex.	
	STM-17						5/16Dia.	
STR-19		0.098	3/32	19/32		13/16	1/4Hex.	12,000
	STMRR-19		11/64				9/32Dia.	
STLR-19		0.125	1/8				1/4Hex.	
	STM-19						5/16Dia.	

ATR-12		0.098	3/32	3/8	5/8	17/32	1/4Hex.	6,000
	ATMRR-12		11/64				9/32Dia.	
ATLR-12		0.125	1/8				1/4Hex.	
	ATMR-12						5/16Dia.	
ATR-16		0.098	3/32	1/2	3/4	21/32	1/4Hex.	9,000
	ATMRR-12		11/64				9/32Dia.	
ATLR-16		0.125	1/8				1/4Hex.	
	ATMR-12						5/16Dia.	
ATR-17		0.098	3/32	17/32	25/32	11/16	1/4Hex.	10,000
	ATMRR-17		11/64				9/32Dia.	
ATLR-17		0.125	1/8				1/4Hex.	
	ATMR-17						5/16Dia.	
ATR-19		0.098	3/32	19/32	27/32	3/4	1/4Hex.	12,000
	ATMRR-19		11/64				9/32Dia.	
ATLR-19		0.125	1/8				1/4Hex.	
	ATMR-19						5/16Dia.	

SEE PAGE 22 FOR MATERIAL SPECIFICATIONS AND ORDERING INSTRUCTIONS.

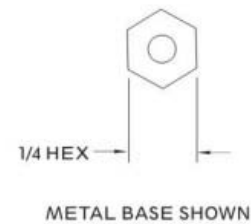
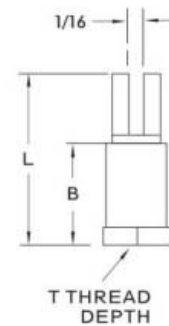
Questions? Contact Armel Electronics at: 1.800.840.0666

BIFURCATED SERIES



PLASTIC BASE	METAL BASE	THREAD SIZE	DIMENSIONS			BREAKDOWN VOLTAGE AC
			B	L	T	
BT-12		4-40	3/8	5/8	5/32	6,000
	BMT-12	4-40				
BT-12-6		6-32	1/2	3/4	7/32	9,000
	BMT-12-6	6-32				
BT-16		4-40	17/32	25/32	7/32	10,000
	BMT-16	4-40				
BT-16-6		6-32	19/32	27/32	7/32	12,000
	BMT-16-6	6-32				
BT-17		4-40	19/32	27/32	7/32	12,000
	BMT-17	4-40				
BT-17-6		6-32	19/32	27/32	7/32	12,000
	BMT-17-6	6-32				
BT-19		4-40	19/32	27/32	7/32	12,000
	BMT-19	4-40				
BT-19-6		6-32	19/32	27/32	7/32	12,000
	BMT-19-6	6-32				

SBT-12		4-40	3/8	9/16	5/32	6,000
	SBMT-12	4-40				
SBT-12-6		6-32	1/2	11/16	7/32	9,000
	SBMT-12-6	6-32				
SBT-16		4-40	17/32	23/32	7/32	10,000
	SBMT-16	4-40				
SBT-16-6		6-32	19/32	25/32	7/32	12,000
	SBMT-16-6	6-32				
SBT-17		4-40	19/32	25/32	7/32	12,000
	SBMT-17	4-40				
SBT-17-6		6-32	19/32	25/32	7/32	12,000
	SBMT-17-6	6-32				
SBT-19		4-40	19/32	25/32	7/32	12,000
	SBMT-19	4-40				
SBT-19-6		6-32	19/32	25/32	7/32	12,000
	SBMT-19-6	6-32				



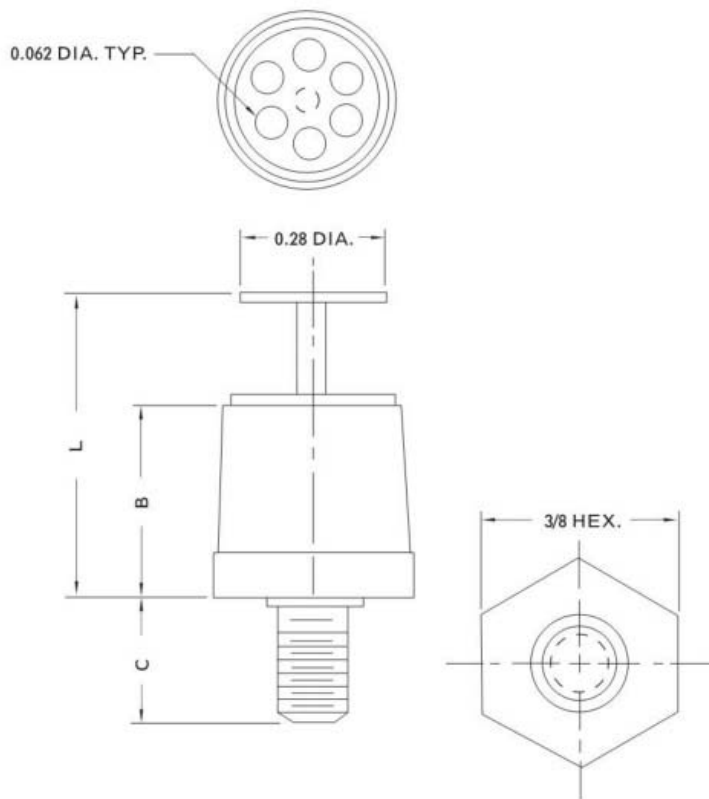
SEE PAGE 22 FOR MATERIAL SPECIFICATIONS AND ORDERING INSTRUCTIONS.



MULTI-FEED SERIES



PART NO.	L	B	THREAD SIZE	C	BREAKDOWN VOLTAGE A.C.
GSTMSC-126	0.59	0.38	6-32	0.22	11,000
GSTMSC-126-3	0.59	0.38	6-32	0.37	11,000



SEE PAGE 22 FOR MATERIAL SPECIFICATIONS AND ORDERING INSTRUCTIONS.

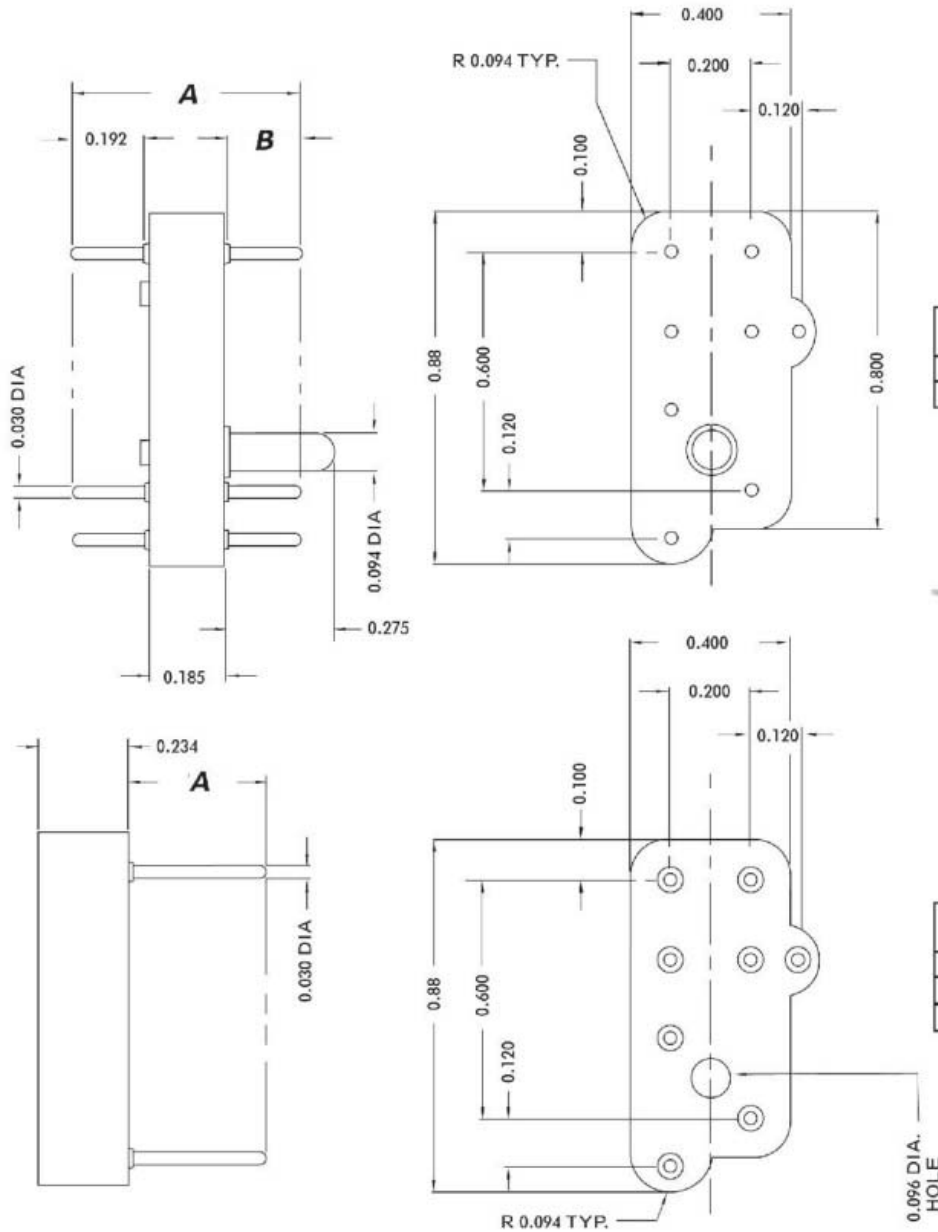
Questions? Contact Armel Electronics at: 1.800.840.0666

terminals

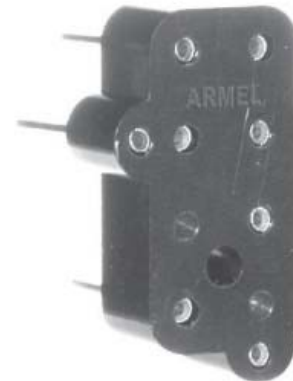
21



AB 8 SERIES



PART NO.	A	B
AB-8P-1RF	0.59	0.192
AB-8P-2RF	0.65	0.275



PART NO.	A
AB-8S-4RF	0.10
AB-8S-6RV2	0.35
AB-8S-9RF	0.13

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 01

Questions? Contact Armel Electronics at: 1.800.840.0666

printed circuit connectors

02

AB 8 SERIES



SPECIFICATIONS

Listed below are the general specifications applicable to the AB type printed circuit connectors.

ELECTRICAL

Current Rating	5 Amperes
Dielectric Withstanding Voltage	
Contact to Contact Sea Level	1000 Volts RMS Minimum
Contact to Contact 70,000 Feet	300 Volts RMS Minimum

MECHANICAL

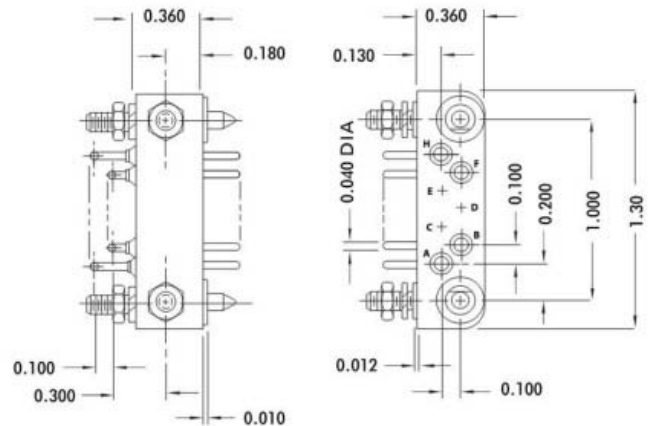
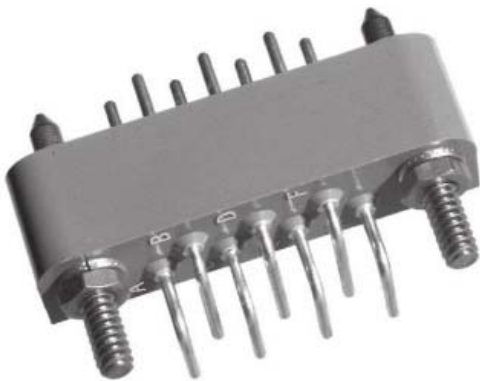
Contact Diameter	0.030 Inch
Creepage Between Contacts	0.07 Inch Minimum
Air Space Between Contacts	0.07 Inch Minimum
Polarization	Guide Pins and Contact Arrangement
Socket Contacts	Beryllium Copper Gold Plated (0.00005 inch)

Pin Contacts	Brass, Hot Solder Dipped, Centriuged and Reflowed Solder 0.0001 to 0.00025 inch
Guide Pins	Brass, Nickel Plated
Insulation Material	Phenolic, Glass Filled, MIL-M-14, Type MFH, color Black
Temperature Range	-65°C to +125°C

Approximate Weight	
AB 8 (Pin)	0.10 oz.
AB 8 (Socket)	0.10 oz.



DEP 7 SERIES



PLUG

CONTACT DATA		MOUNTING DATA						
		PANEL THICKNESS	NO. 4-40		NO. 4-40		0.109D.	
RIGHT ANGLE	DIMENSION	X	A	GUIDE	B	STUD	C	RIVET
		PLUG	STRAIGHT	.06	.14		.22	DEP 7P-83LV2
.09	.14				.25	DEP 7P-196LV2	.12	
.12	.20				.31	DEP 7P-194LV2	.16	
SOLDER-CUP	DIMENSION	.06	.20	.25	DEP 7PC-31LV2			
		.09	.20	.25	DEP 7PC-32LV2			
		.12	.24	.25	DEP 7PC-33LV2			

Mounting Hardware
Stainless Steel, Passivated

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

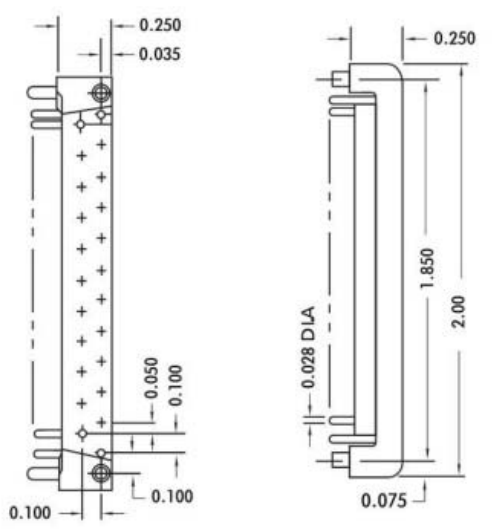
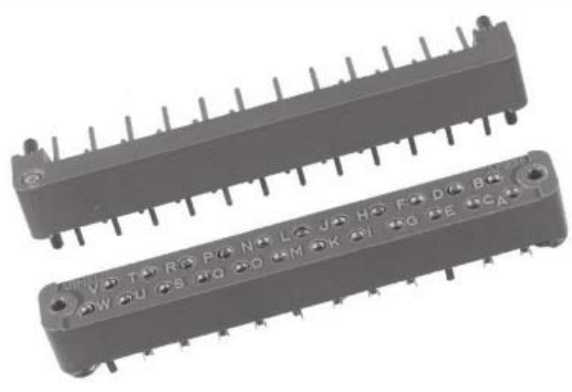
Questions? Contact Armel Electronics at: 1.800.840.0666

printed circuit connectors

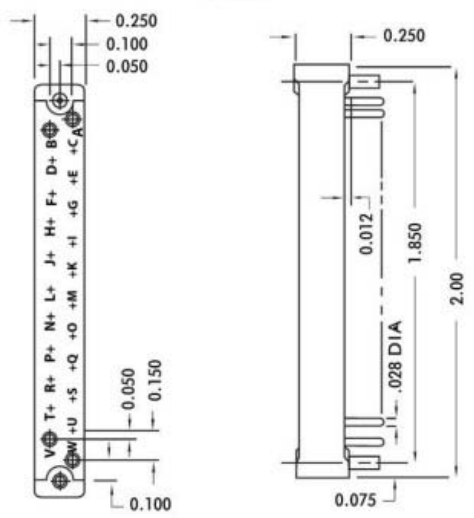
06



AP 23 SERIES

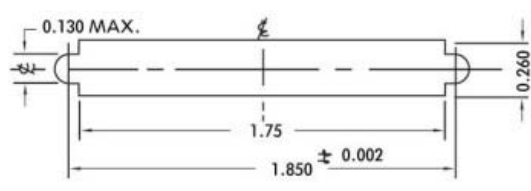


PLUG



RECEPTACLE

CONTACT DATA		MOUNTING DATA							
		RIVET		CHASSIS		RIVET			
PLUG	RIGHT ANGLE	X	A	B	C	AP 23P - 1HW			
RECEPTACLE	STRAIGHT	X	.06	.11			.09	AP 23S - 4 HW	
			.09					.16	AP 23S - 744 HW
			.12	.18					
RECEPTACLE	SOLDER CUP	0.12			.05	AP 23S - 51HW	.09	AP 23S - 61HW	



LATERAL FLOAT: .020 Max.
Recommended chassis cut-out
(Part No. AP 23S - 51HW)

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 03

Questions? Contact Armel Electronics at: 1.800.840.0666

AP 23 SERIES



SPECIFICATIONS

Listed below are the general specifications applicable to the AP type printed circuit connectors.

ELECTRICAL

Contact Rating	3 amperes
Solder Cup Accomodation	One #24 AWG Wire
Dielectric Withstanding Voltage	
Contact to Contact, Sea Level	1000 Volts RMS Minimum
Contact to Contact, 70,000 Ft.	300 Volts RMS Minimum

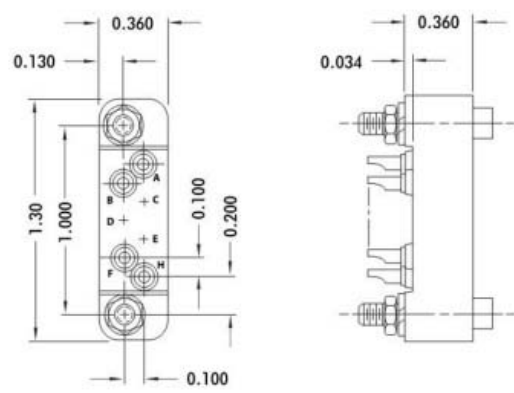
MECHANICAL

Contact Diameter	0.028 Inch
Creepage Between Contacts	0.06 Inch Minimum
Air Space Between Contacts	0.06 Inch Minimum
Polarization	Guide Pins and Contact Arrangement
Socket Contacts	Spring Tempered Beryllium Copper, Gold Plated (0.0001 Inch)
Pin Contacts	Beryllium Copper, Gold Plated (0.0001 Inch)
Guide Pins and Rivets	Stainless Steel, Passivated
Guide Sockets and Rivets	
Solder Cup Assembly	Stainless Steel, Passivated
Straight Pin Assembly	Brass, Nickel Plated
Insulation Material	Diallyl Phthalate, Orlon Filled, Mil-M-14, Type SDI-5
Temperature Range	-65? C to +125? C
Approximate Weight	
AP23 (pin)	0.13 oz.
AP23 (socket)	0.15 oz.

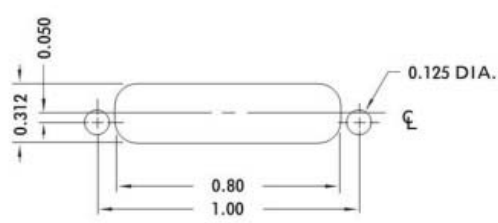
DEP 7 SERIES



MOUNTING DATA						CONTACT DATA	CONTACT TYPE
NO. 4-40		NO. 4-40		NO. 4-40				DIMENSION	PANEL THICKNESS
RIVET	C	STUD	B	GUIDE	A	X	
				DEP 7S - 411LV2	.25	-.06	 SOLDER CUP
				DEP 7S - 415LV2	.31	-.09	
				DEP 7S - 415LV2	.31	-.12	
				DEP 7S - 412LV2	.25	-.06	 TURRET
				DEP 7S - 416LV2	.31	-.09	
				DEP 7S - 416LV2	.31	-.12	
				DEP 7S - 413LV2	.25	-.06	 EYELET
				DEP 7S - 417LV2	.31	-.09	
				DEP 7S - 417LV2	.31	-.12	
				DEP 7S - 414LV2	.25	.11 .06	 STRAIGHT PIN 0.045 SQ
				DEP 7S - 418LV2	.31	.19 .09	
				DEP 7S - 418LV2	.31	.19 .12	
				DEP 7S - 423LV2	.25	.79 .06	 WIRE WRAP
				DEP 7S - 428LV2	.31	.79 .09	
				DEP 7S - 428LV2	.31	.79 .12	
				DEP 7K - 411LV2	.25	-.06	 SOLDER CUP
				DEP 7K - 415LV2	.31	-.09	
				DEP 7K - 415LV2	.31	-.12	
				DEP 7K - 413LV2	.25	-.06	 EYELET
				DEP 7K - 417LV2	.31	-.09	
				DEP 7K - 417LV2	.31	-.12	
				DEP 7K - 414LV2	.25	.19 .06	 STRAIGHT PIN 0.025 SQ
				DEP 7K - 414LV2	.31	.19 .09	
				DEP 7K - 414LV2	.31	.19 .12	
				DEP 7K - 433LV2	.25	.60 .06	 WIRE WRAP
				DEP 7K - 438LV2	.31	.60 .09	
				DEP 7K - 438LV2	.31	.60 .12	
						.06	 RIGHT ANGLE
						.09	
						.12	



RECEPTACLE



RECOMMENDED CHASSIS CUT-OUT
Mounting Hardware
Stainless Steel, Passivated

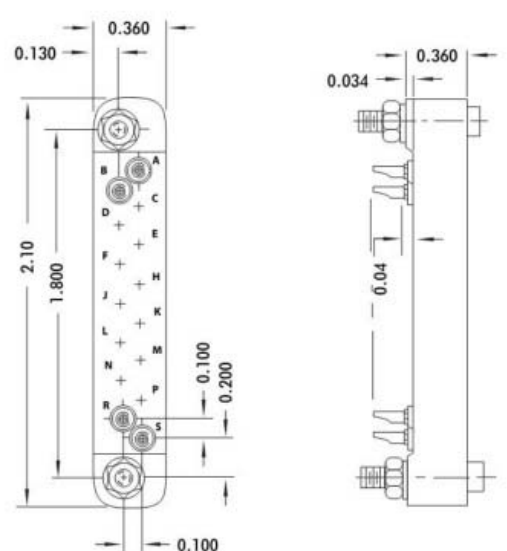
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

DEP 15 SERIES

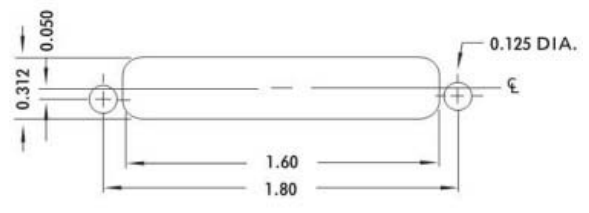


MOUNTING DATA						DIMENSION	PANEL THICKNESS	CONTACT DATA
RIVET	C	STUD	B	GUIDE	A				X
DEP 15S - 41JV2	.09	DEP 15S - 96JV2	.22	DEP 15S - 1JV2	.25	—	.06	
DEP 15S - 42JV2	.12	DEP 15S - 85JV2	.25	DEP 15S - 5JV2	.33	—	.09	
DEP 15S - 43JV2	.16	DEP 15S - 86JV2	.31	DEP 15S - 5JV2	.33	—	.12	
				DEP 15S - 2JV2	.25	—	.06	
				DEP 15S - 6JV2	.33	—	.09	
				DEP 15S - 6JV2	.33	—	.12	
				DEP 15S - 3JV2	.25	—	.06	
				DEP 15S - 7JV2	.33	—	.09	
				DEP 15S - 7JV2	.33	—	.12	
				DEP 15S - 34JV2	.25	.11	.06	
				DEP 15S - 8JV2	.33	.19	.09	
				DEP 15S - 8JV2	.33	.19	.12	
				DEP 15S - 13JV2	.25	.79	.06	
				DEP 15S - 18JV2	.33	.79	.09	
				DEP 15S - 18JV2	.33	.79	.12	

DEP 15K - 41JV2	.09	DEP 15K - 96JV2	.22	DEP 15K - 1JV2	.25	—	.06
DEP 15K - 42JV2	.12	DEP 15K - 85JV2	.25	DEP 15K - 5JV2	.33	—	.09
DEP 15K - 43JV2	.16	DEP 15K - 86JV2	.31	DEP 15K - 5JV2	.33	—	.12
				DEP 15K - 3JV2	.25	—	.06
				DEP 15K - 7JV2	.33	—	.09
				DEP 15K - 7JV2	.33	—	.12
				DEP 15K - 4JV2	.33	.19	.06
				DEP 15K - 8JV2	.33	.19	.09
				DEP 15K - 8JV2	.33	.19	.12
				DEP 15K - 433JV2	.25	.60	.06
				DEP 15K - 438JV2	.31	.60	.09
				DEP 15K - 438JV2	.31	.60	.12
		DEP 15K - 591JV2	.22	DEP 15K - 794JV2	.22	.15	.06
		DEP 15K - 594JV2	.25	DEP 15K - 795JV2	.33	.15	.09
		DEP 15K - 595JV2	.31	DEP 15K - 795JV2	.33	.15	.12



RECEPTACLE

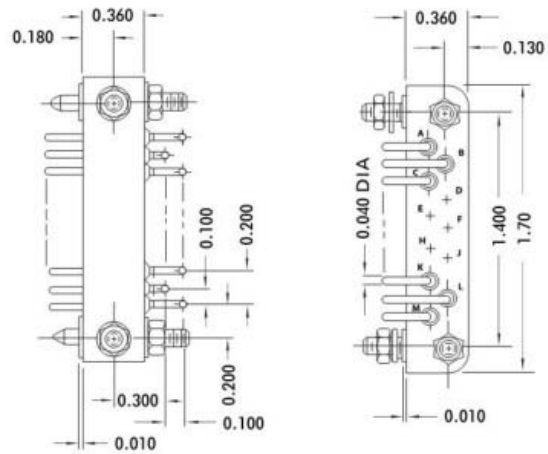
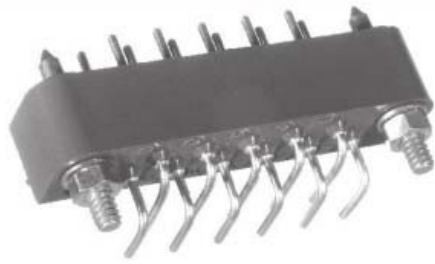


RECOMMENDED CHASSIS CUT-OUT

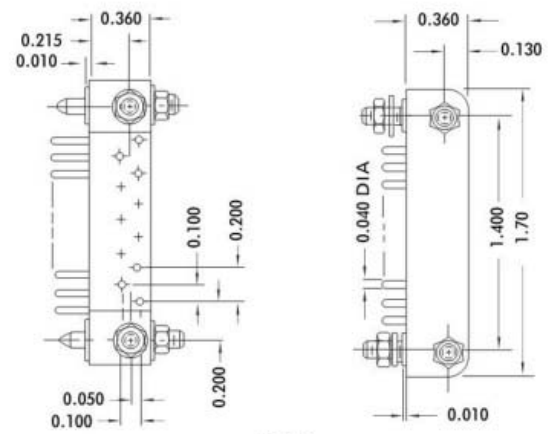
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27



DEP 11 SERIES



PLUG



PLUG

CONTACT DATA		MOUNTING DATA						
		PANEL THICKNESS	NO. 4-40		NO. 4-40		NO. 4-40	
RIGHT ANGLE	DIMENSION	X	A	GUIDE	B	STUD	C	RIVET
	PLUG	.06	.14			.22	DEP 11P - 3JV2	.09	DEP 11P - 41JV2
.09		.14			.25	DEP 11P - 6JV2	.12	DEP 11P - 42JV2
.12		.20			.31	DEP 11P - 4JV2	.16	DEP 11P - 43JV2
STRAIGHT	.06	.20	.25	DEP 11P - 31JV2				
	.09	.20	.25	DEP 11P - 32JV2				
	.12	.24	.25	DEP 11P - 33JV2				
SOLDER-CUP	.06	—	.25	DEP 11P - 91JV2	.22	DEP 11P - 96JV2		
	.09	—	.25	DEP 11P - 91JV2	.25	DEP 11P - 85JV2		
	.12	—	.25	DEP 11P - 91JV2	.31	DEP 11P - 86JV2		

CONTACT DATA		MOUNTING DATA						
		BOARD THICKNESS	NO. 4-40		NO. 4-40		NO. 4-40	
PLUG	DIMENSION	X	A	INSERT	B	STUD	C	RIVET
	PLUG	.06	.09	.14	DEP 11M - 53JV2	.22	DEP 11M - 3JV2	.09	DEP 11M - 41JV2
.09		.14	.14	DEP 11M - 519JV2	.25	DEP 11M - 19JV2	.12	DEP 11M - 42JV2
.12		.16	.14	DEP 11M - 54JV2	.31	DEP 11M - 4JV2	.16	DEP 11M - 43JV2

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

Questions? Contact Armel Electronics at: 1.800.840.0666

printed circuit connectors

DEP 11 SERIES

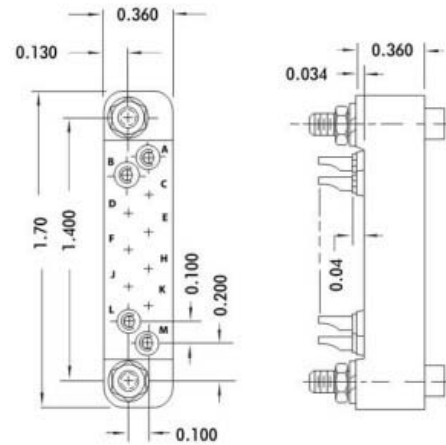


MOUNTING DATA						CONTACT DATA	DIMENSION	PANEL THICKNESS	X
RIVET	C	STUD	B	GUIDE	A				
DEP 11S - 41JV2	.09	DEP 11S - 96JV2	.22	DEP 11S - 1JV2	.25	—	.06	—	—
DEP 11S - 42JV2	.12	DEP 11S - 85JV2	.25	DEP 11S - 5JV2	.33	—	.09	—	—
DEP 11S - 43JV2	.16	DEP 11S - 86JV2	.31	DEP 11S - 5JV2	.33	—	.12	—	—
				DEP 11S - 2JV2	.25	—	.06	—	—
				DEP 11S - 6JV2	.33	—	.09	—	—
				DEP 11S - 6JV2	.33	—	.12	—	—
				DEP 11S - 3JV2	.25	—	.06	—	—
				DEP 11S - 7JV2	.33	—	.09	—	—
				DEP 11S - 7JV2	.33	—	.12	—	—
				DEP 11S - 34JV2	.25	.11	.06	—	—
				DEP 11S - 8JV2	.33	.19	.09	—	—
				DEP 11S - 8JV2	.33	.19	.12	—	—
				DEP 11S - 13JV2	.25	.79	.06	—	—
				DEP 11S - 18JV2	.33	.79	.09	—	—
				DEP 11S - 18JV2	.33	.79	.12	—	—

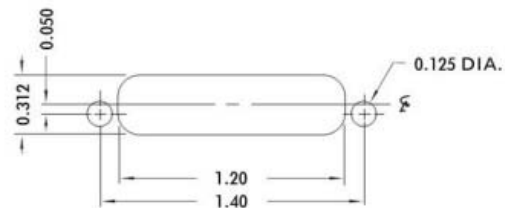
OPEN ENTRY

DEP 11K - 41JV2	.09	DEP 11K - 96JV2	.22	DEP 11K - 1JV2	.25	—	.06	—	—
DEP 11K - 42JV2	.12	DEP 11K - 85JV2	.25	DEP 11K - 5JV2	.33	—	.09	—	—
DEP 11K - 43JV2	.16	DEP 11K - 86JV2	.31	DEP 11K - 5JV2	.33	—	.12	—	—
				DEP 11K - 3JV2	.25	—	.06	—	—
				DEP 11K - 7JV2	.33	—	.09	—	—
				DEP 11K - 7JV2	.33	—	.12	—	—
				DEP 11K - 4JV2	.33	.19	.06	—	—
				DEP 11K - 8JV2	.33	.19	.09	—	—
				DEP 11K - 8JV2	.33	.19	.12	—	—
				DEP 11K - 433JV2	.25	.60	.06	—	—
				DEP 11K - 438JV2	.31	.60	.09	—	—
				DEP 11K - 438JV2	.31	.60	.12	—	—
		DEP 11K - 591JV2	.22	DEP 11K - 794JV2	.22	.15	.06	—	—
		DEP 11K - 594JV2	.25	DEP 11K - 795JV2	.33	.15	.09	—	—
		DEP 11K - 595JV2	.31	DEP 11K - 795JV2	.33	.15	.12	—	—

CLOSED ENTRY



RECEPTACLE



RECOMMENDED CHASSIS CUT-OUT

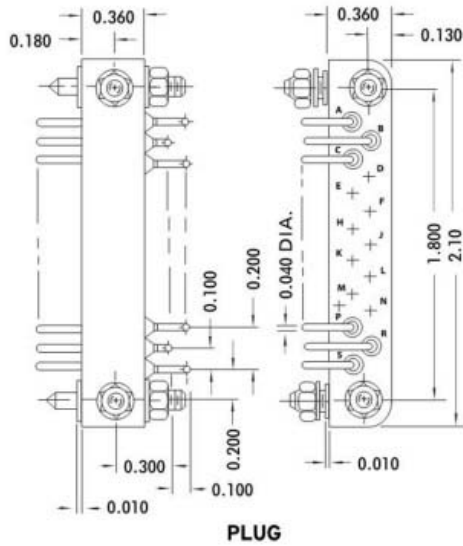
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

07 printed circuit connectors

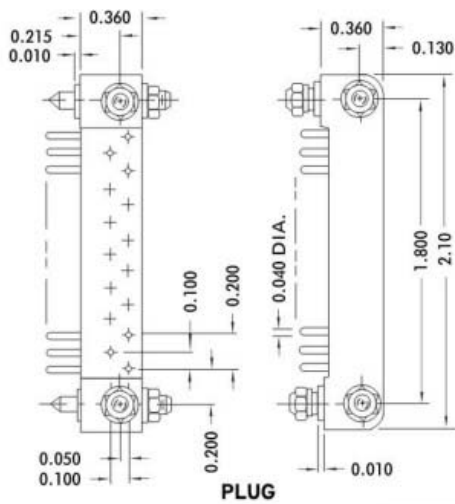
Questions? Contact Armel Electronics at: 1.800.840.0666



DEP 15 SERIES



CONTACT DATA		MOUNTING DATA						
		PANEL THICKNESS DIMENSION		NO. 4-40		NO. 4-40		
RIGHT ANGLE	X	A	GUIDE	B	STUD	C	RIVET	
			.06	.14		.22	DEP 15P - 3JV2	.09	DEP 15P - 41JV2
	.09	.14		.25	DEP 15P - 6JV2	.12	DEP 15P - 42JV2	
	.12	.20		.31	DEP 15P - 4JV2	.16	DEP 15P - 43JV2	
PLUG	STRAIGHT	X	A	GUIDE	B	STUD	C	RIVET
		.06	.20	.25	DEP 15P - 31JV2			
		.09	.20	.25	DEP 15P - 32JV2			
	.12	.24	.25	DEP 15P - 33JV2				
SOLDER-CUP	X	A	INSERT	B	STUD	C	RIVET	
		.06	.25	DEP 15P - 91JV2	.22	DEP 15P - 96JV2		
		.09	.25	DEP 15P - 91JV2	.25	DEP 15P - 85JV2		
	.12	.25	DEP 15P - 91JV2	.31	DEP 15P - 86JV2			



CONTACT DATA		MOUNTING DATA								
		BOARD THICKNESS DIMENSION		NO. 4-40		NO. 4-40				
PLUG	X	A	INSERT	B	STUD	C	RIVET			
			.06	.09	.14	DEP 15M - 53JV2	.22	DEP 15M - 3JV2	.09	DEP 15M - 41JV2
			.09	.14	.14	DEP 15M - 519JV2	.25	DEP 15M - 19JV2	.12	DEP 15M - 42JV2
	.12	.16	.14	DEP 15M - 54JV2	.31	DEP 15M - 4JV2	.16	DEP 15M - 43JV2		

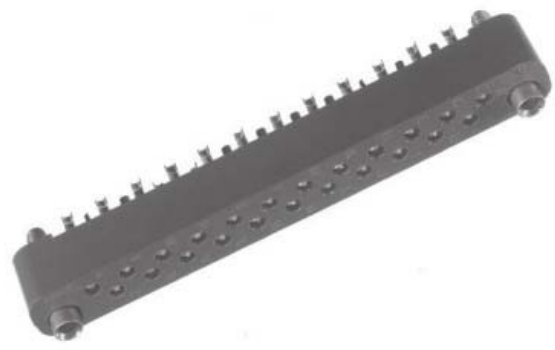
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

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printed circuit connectors

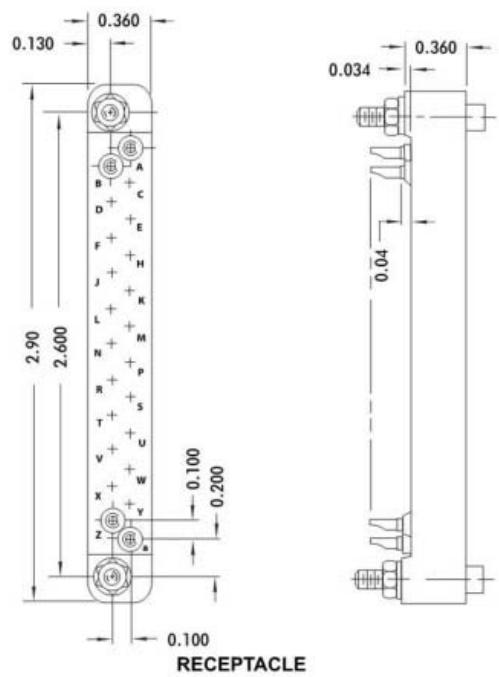
10

DEP 23 SERIES



MOUNTING DATA						DIMENSION	PANEL THICKNESS	CONTACT DATA
RIVET	C	STUD	B	GUIDE	A				X
DEP 23S - 41JV2	.09	DEP 23S - 96JV2	.22	DEP 23S - 1JV2	.25	—	.06	
DEP 23S - 42JV2	.12	DEP 23S - 85JV2	.25	DEP 23S - 5JV2	.33	—	.09	
DEP 23S - 43JV2	.16	DEP 23S - 86JV2	.31	DEP 23S - 5JV2	.33	—	.12	
				DEP 23S - 2JV2	.25	—	.06	
				DEP 23S - 6JV2	.33	—	.09	
				DEP 23S - 6JV2	.33	—	.12	
				DEP 23S - 3JV2	.25	—	.06	
				DEP 23S - 7JV2	.33	—	.09	
				DEP 23S - 7JV2	.33	—	.12	
				DEP 23S - 34JV2	.25	.11	.06	
				DEP 23S - 8JV2	.33	.19	.09	
				DEP 23S - 8JV2	.33	.19	.12	
				DEP 23S - 13JV2	.25	.79	.06	
				DEP 23S - 18JV2	.33	.79	.09	
				DEP 23S - 18JV2	.33	.79	.12	

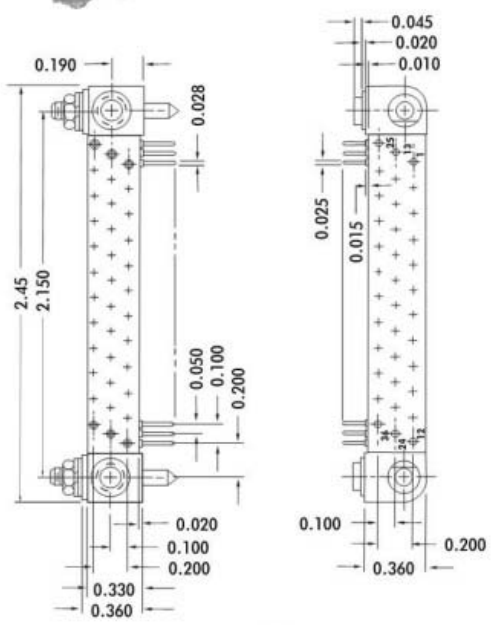
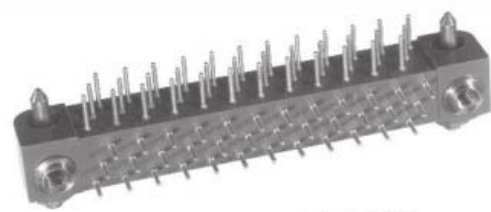
DEP 23K - 41JV2	.09	DEP 23K - 96JV2	.22	DEP 23K - 1JV2	.25	—	.06
DEP 23K - 42JV2	.12	DEP 23K - 85JV2	.25	DEP 23K - 5JV2	.33	—	.09
DEP 23K - 43JV2	.16	DEP 23K - 86JV2	.31	DEP 23K - 5JV2	.33	—	.12
				DEP 23K - 3JV2	.25	—	.06
				DEP 23K - 7JV2	.33	—	.09
				DEP 23K - 7JV2	.33	—	.12
				DEP 23K - 4JV2	.33	—	.06
				DEP 23K - 8JV2	.33	—	.09
				DEP 23K - 8JV2	.33	—	.12
				DEP 23K - 433JV2	.25	.60	.06
				DEP 23K - 438JV2	.31	.60	.09
				DEP 23K - 438JV2	.31	.60	.12
		DEP 23K - 591JV2	.22	DEP 23K - 794JV2	.22	.15	.06
		DEP 23K - 594JV2	.25	DEP 23K - 795JV2	.33	.15	.09
		DEP 23K - 595JV2	.31	DEP 23K - 795JV2	.33	.15	.12



FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27



DEP 36 SERIES



PLUG

CONTACT DATA		MOUNTING DATA						
		BOARD THICKNESS		NO. 4-40		NO. 4-40		0.109D
PLUG	DIMENSION	X	A	INSERT	B	STUD	C	RIVET
	.06	.11	.14	DEP36M-653JV2				
	.09							
.12								

SPECIFICATIONS

ELECTRICAL

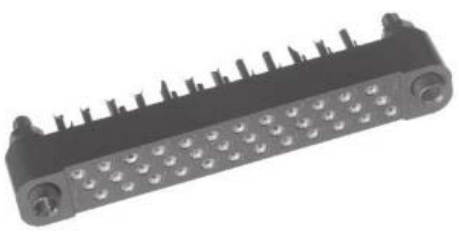
- Current Rating 5 Amperes
- Solder Cup Accomodation One #24 A.W.G. Wire
- Dielectric Withstanding Voltage
- Contact to Contact Sea Level 1000 Volts RMS Minimum
- Contact to Contact 70,000 Feet 300 Volts RMS Minimum

MECHANICAL

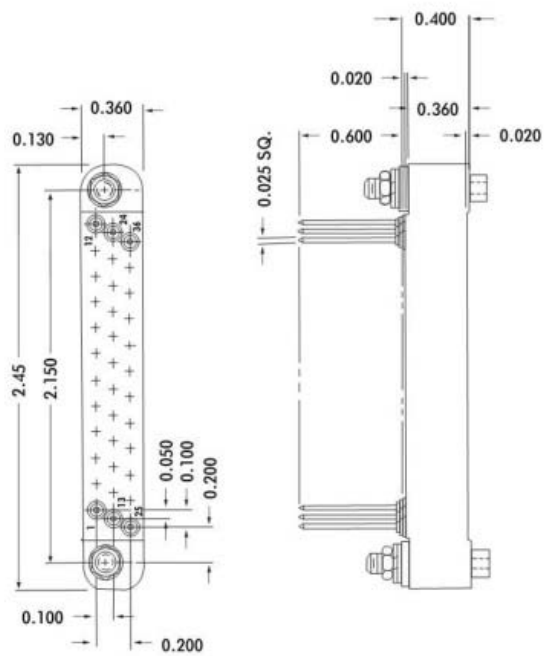
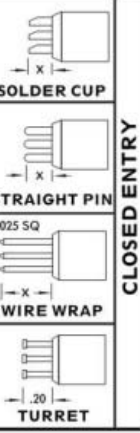
- Contact Diameter 0.028 inch
- Creepage Between Contacts 0.06 inch Minimum
- Air Space Between Contacts 0.06 inch Minimum
- Polarization Guide pins and contact arrangement
- Socket Contacts Spring Tempered, Phosphor Bronze, Gold Plated (0.00005 inch) per MIL-G-45204, Type II, Class 1 over Copper Plate (Other platings also available)
- Pin Contacts Phosphor Bronze, Gold Plated (0.00005 inch) per MIL-G-45204, Type II Class 1 over Copper Plate (OTHER PLATINGS ALSO AVAILABLE)
- Guide Pins, Sockets and Hardware Stainless Steel, passivated
- Mounting Studs and Hardware Stainless Steel, passivated
- Insulation Material Diallyl Phthalate, Glass filled per MIL-M-14, Type GDI-30F
- Temperature Range -65? C to + 125? C

Questions? Contact Armel Electronics at: 1.800.840.0666

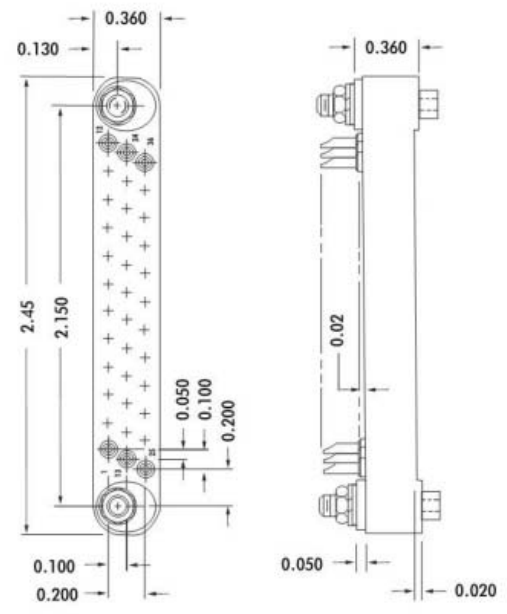
DEP 36 SERIES



MOUNTING DATA						CONTACT DATA	
				DIMENSION	PANEL THICKNESS		
RIVET	C	STUD	B	GUIDE	A	X	
				DEP 36K - 301JV2	.25	.18	.06
				DEP 36K - 141JV2	.31	.18	.09
				DEP 36K - 141JV2	.31	.18	.12
				DEP 36K - 48JV2	.25	.27	.06
				DEP 36K - 8JV2	.31	.27	.09
				DEP 36K - 8JV2	.31	.27	.12
				DEP 36K - 433JV2	.25	.57	.06
				DEP 36K - 438JV2	.25	.57	.09
				DEP 36K - 438JV2	.25	.57	.12
				DEP 36K - 122JV2	.25	-	.06
				DEP 36K - 222JV2	.31	-	.09
				DEP 36K - 222JV2	.31	-	.12



DEP 36WK-9101JV2
RECEPTACLE

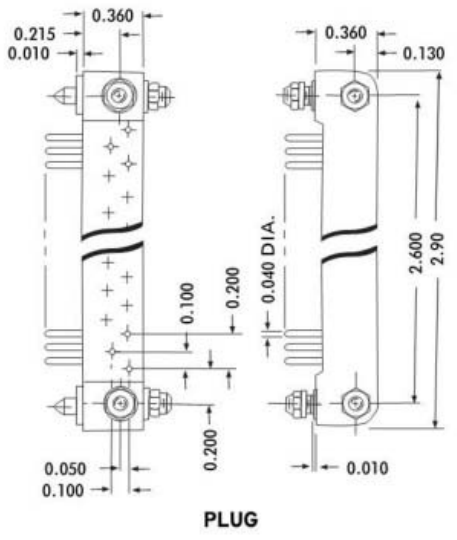
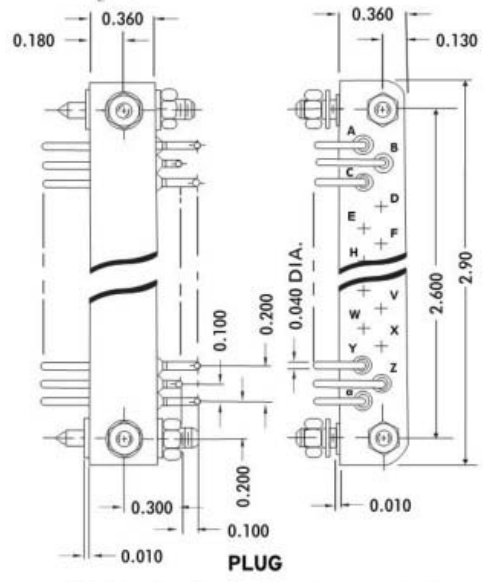
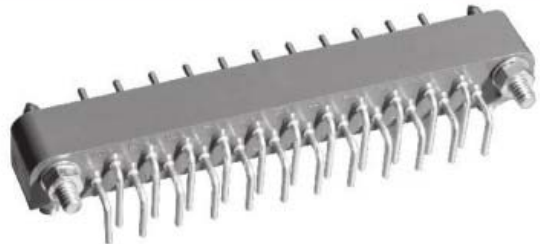


RECEPTACLE

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 14



DEP 23 SERIES



CONTACT DATA		MOUNTING DATA					
		PANEL THICKNESS DIMENSION		NO. 4-40		NO. 4-40	
RIGHT ANGLE	X	A	GUIDE	B	STUD	C	RIVET
		.06	.14			.22	DEP 23P - 3JV2
.09	.14			.25	DEP 23P - 6JV2	.12	DEP 23P - 42JV2
.12	.20			.31	DEP 23P - 4JV2	.16	DEP 23P - 43JV2
PLUG	STRAIGHT	.06	.20	.25	DEP 23P - 31JV2		
		.09	.20	.25	DEP 23P - 32JV2		
		.12	.24	.25	DEP 23P - 33JV2		
SOLDER-CUP	.06	-	.25	DEP 23P - 91JV2	.22	DEP 23P - 96JV2	
	.09	-	.25	DEP 23P - 91JV2	.25	DEP 23P - 85JV2	
	.12	-	.25	DEP 23P - 91JV2	.31	DEP 23P - 86JV2	

CONTACT DATA		MOUNTING DATA							
		BOARD THICKNESS DIMENSION		NO. 4-40		NO. 4-40			
PLUG	X	A	INSERT	B	STUD	C	RIVET		
		.06	.09	.14	DEP 23M - 53JV2	.22	DEP 23M - 3JV2	.09	DEP 23M - 41JV2
		.09	.14	.14	DEP 23M - 519JV2	.25	DEP 23M - 19JV2	.12	DEP 23M - 42JV2
.12	.16	.14	DEP 23M - 54JV2	.31	DEP 23M - 4JV2	.16	DEP 23M - 43JV2		

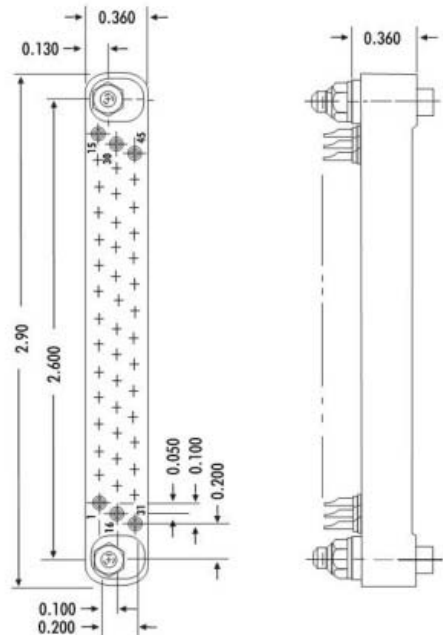
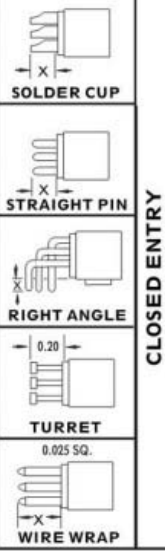
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

Questions? Contact Armel Electronics at: 1.800.840.0666

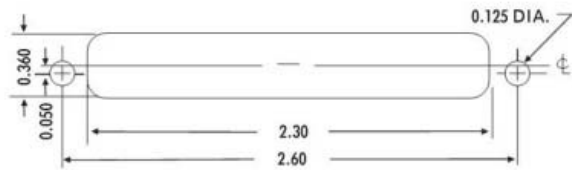
DEP 45 SERIES



MOUNTING DATA						CONTACT DATA	
RIVET	C	STUD	B	GUIDE	A X	DIMENSION	PANEL THICKNESS
				DEP 45K-1JV2	.25	.18	.06
				DEP 45K-141JV2	.31	.18	.09
				DEP 45K-141JV2	.31	.18	.12
				DEP 45K-4JV2	.25	.27	.06
				DEP 45K-8JV2	.31	.27	.09
				DEP 45K-8JV2	.31	.27	.12
		DEP 45K-593JV2	.22			.11	.06
							.09
							.12
				DEP 45K-122JV2	.25	—	.06
				DEP 45K-222JV2	.31	—	.09
				DEP 45K-222JV2	.31	—	.12
						0.025 SQ.	
				DEP 45K-433JV2	.25	.57	.06
				DEP 45K-438JV2	.31	.57	.09
				DEP 45K-438JV2	.31	.57	.12



RECEPTACLE



RECOMMENDED CHASSIS CUT-OUT

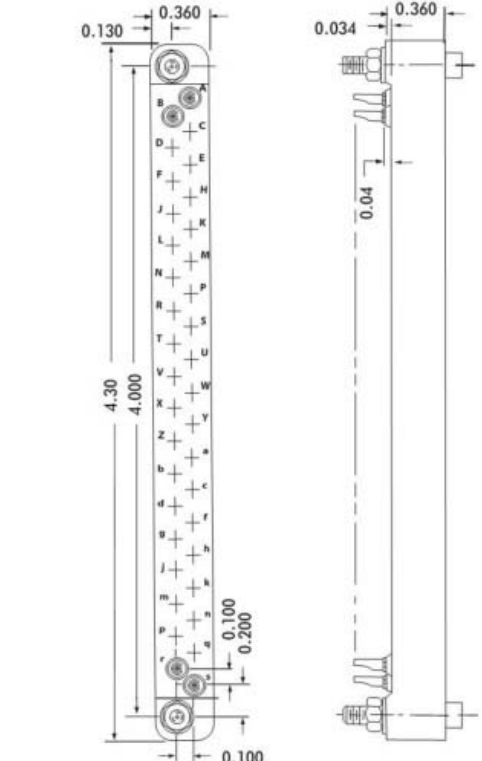
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 18

DEP 37 SERIES

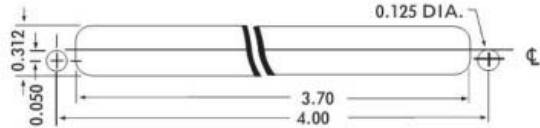


MOUNTING DATA						CONTACT DATA	DIMENSION	PANEL THICKNESS
RIVET	C	STUD	B	GUIDE	A X			
DEP 37S - 41JV2	.09	DEP 37S - 96JV2	.22	DEP 37S - 1JV2	.25	—	.06	
DEP 37S - 42JV2	.12	DEP 37S - 85JV2	.25	DEP 37S - 5JV2	.33	—	.09	
DEP 37S - 43JV2	.16	DEP 37S - 86JV2	.31	DEP 37S - 5JV2	.33	—	.12	
				DEP 37S - 2JV2	.25	—	.06	
				DEP 37S - 6JV2	.33	—	.09	
				DEP 37S - 6JV2	.33	—	.12	
				DEP 37S - 3JV2	.25	—	.06	
				DEP 37S - 7JV2	.33	—	.09	
				DEP 37S - 7JV2	.33	—	.12	
				DEP 37S - 34JV2	.25	.11	.06	
				DEP 37S - 8JV2	.33	.19	.09	
				DEP 37S - 8JV2	.33	.19	.12	
				DEP 37S - 13JV2	.25	.79	.06	
				DEP 37S - 18JV2	.33	.79	.09	
				DEP 37S - 18JV2	.33	.79	.12	

DEP 37K - 41JV2	.09	DEP 37K - 96JV2	.22	DEP 37K - 1JV2	.25	—	.06
DEP 37K - 42JV2	.12	DEP 37K - 85JV2	.25	DEP 37K - 5JV2	.33	—	.09
DEP 37K - 43JV2	.16	DEP 37K - 86JV2	.31	DEP 37K - 5JV2	.33	—	.12
				DEP 37K - 3JV2	.25	—	.06
				DEP 37K - 7JV2	.33	—	.09
				DEP 37K - 7JV2	.33	—	.12
				DEP 37K-134JT3	.34	.32	.17
				DEP 37K - 4JV2	.33	.19	.06
				DEP 37K - 8JV2	.33	.19	.09
				DEP 37K - 8JV2	.33	.19	.12
				DEP 37K - 433JV2	.25	.60	.06
				DEP 37K - 438JV2	.31	.60	.09
				DEP 37K - 438JV2	.31	.60	.12
		DEP 37K - 591JV2	.22	DEP 37K - 794JV2	.22	.15	.06
		DEP 37K - 594JV2	.25	DEP 37K - 795JV2	.33	.15	.09
		DEP 37K - 595JV2	.31	DEP 37K - 795JV2	.33	.15	.12



RECEPTACLE



RECOMMENDED CHASSIS CUT-OUT

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

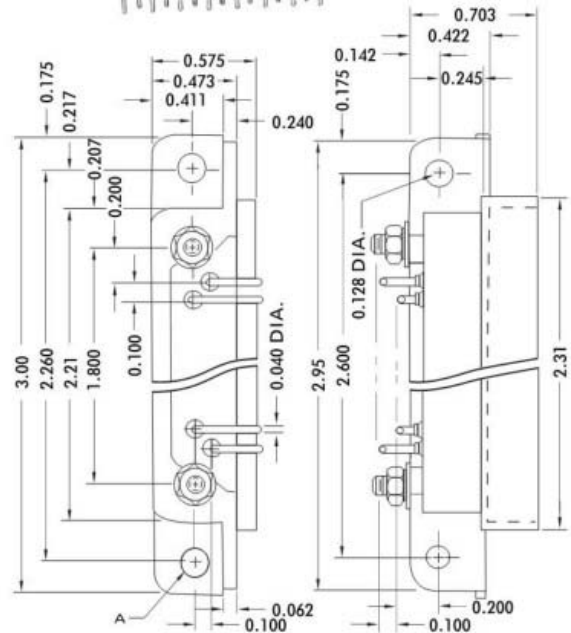
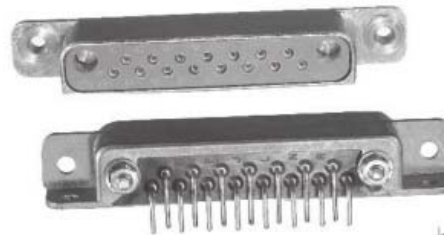
DEP 15 SHELLS



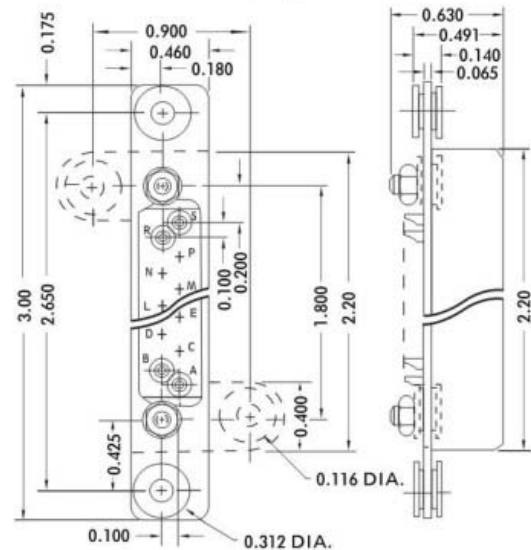
MOUNTING DATA				DIMENSION	CONTACT DATA	
"A" DIA.	"A" DIA.	"A" DIA.	X			
				PANEL THICKNESS	RIGHT ANGLE	
DEP15PHA-3JV2	DEP15PHA-2JV2	DEP15PHA-1JV2	.15			.06
DEP15PHA-3JV2	DEP15PHA-2JV2	DEP15PHA-1JV2	.15			.09
DEP15PHA-6JV2	DEP15PHA-5JV2	DEP15PHA-4JV2	.21	.12	PLUG	
DEP15PHA-23JV2	DEP15PHA-22JV2	DEP15PHA-21JV2	.07	—		
DEP15PHA-26JV2	DEP15PHA-25JV2	DEP15PHA-24JV2	.17	—		
DEP15PHA-29JV2	DEP15PHA-28JV2	DEP15PHA-27JV2	.21	—	SOLDER CUP	
DEP15PHA-94JV2	DEP15PHA-93JV2	DEP15PHA-92JV2	.16	—		
DEP15PHA-94JV2	DEP15PHA-93JV2	DEP15PHA-92JV2	.16	—		
DEP15PHA-94JV2	DEP15PHA-93JV2	DEP15PHA-92JV2	.16	—		

MOUNTING DATA				DIMENSION	CONTACT DATA
DEP15SSHA-1JV2	DEP15SSHA-1JV2		.11	SOLDER CUP	OPEN ENTRY RECEPTACLE
DEP15SSHA-3JV2	DEP15SSHA-3JV2		.17		
DEP15SSHA-4JV2	DEP15SSHA-4JV2		.14		
DEP15SSHA-28JV2	DEP15SSHA-28JV2		.17	EYELET	RECEPTACLE
DEP15SSHA-13JV2	DEP15SSHA-13JV2		.72		
DEP15SSHA-4JV2	DEP15SSHA-4JV2		.14	STRAIGHT	RECEPTACLE
DEP15SSHA-28JV2	DEP15SSHA-28JV2		.17		
DEP15SSHA-13JV2	DEP15SSHA-13JV2		.72	WIRE WRAP	RECEPTACLE
DEP15SSHA-13JV2	DEP15SSHA-13JV2		.72		

MOUNTING DATA				DIMENSION	CONTACT DATA
DEP15KSHA-1JV2	DEP15KHA-1JV2		.11	SOLDER CUP	CLOSED ENTRY RECEPTACLE
DEP15KSHA-3JV2	DEP15KHA-3JV2		.17		
DEP15KSHA-4JV2	DEP15KHA-4JV2		.14		
DEP15KSHA-4JV2	DEP15KHA-4JV2		.14	EYELET	RECEPTACLE
DEP15KSHA-4JV2	DEP15KHA-4JV2		.14		
DEP15KSHA-4JV2	DEP15KHA-4JV2		.14	STRAIGHT	RECEPTACLE
DEP15KSHA-4JV2	DEP15KHA-4JV2		.14		



PLUG

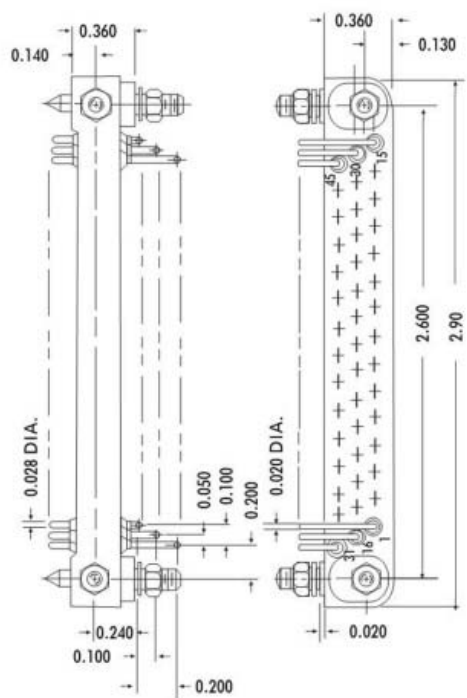
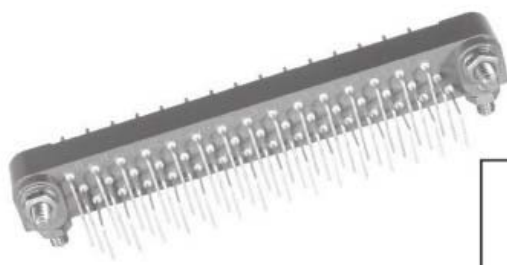


RECEPTACLE

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27



DEP 45 SERIES



CONTACT DATA		MOUNTING DATA							
		PANEL THICKNESS DIMENSION	NO. 4-40		NO. 4-40		NO. 4-40		NO. 4-40
X	A		GUIDE	B	STUD	C	RIVET	D	INSERT
RIGHT ANGLE	.06	.13		.22	DEP 45P - 3JV2	.09	DEP 45P - 41JV2	.14	DEP 45P - 53JV2
	.09	.13		.25	DEP 45P - 6JV2	.12	DEP 45P - 42JV2	.14	DEP 45P - 53JV2
	.12	.18		.31	DEP 45P - 107JV2	.16	DEP 45P - 43JV2	.14	DEP 45P - 57JV2
STRAIGHT	.06								
	.09								
	.12	.38	.31	DEP 45P - 914JV2					
SOLDER CUP	.06								
	.09								
	.12								

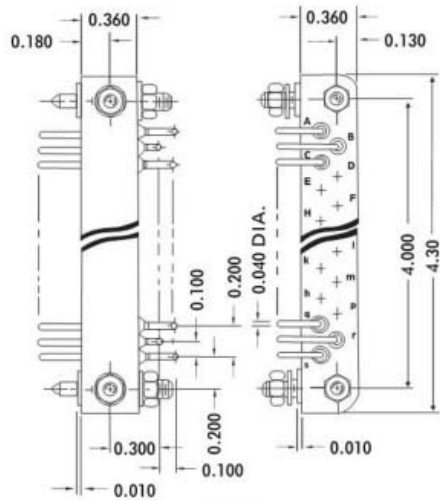
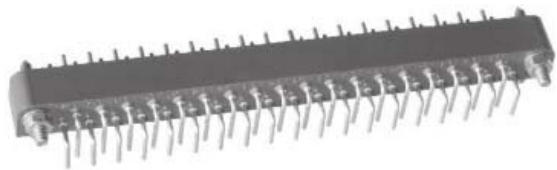
SPECIFICATIONS

- ELECTRICAL**
- Current Rating 5 amperes
 - Solder Cup Accomodation One #24 A.W.G. Wire
 - Dielectric Withstanding Voltage
 - Contact to Contact Sea Level 1000 Volts RMS Minimum
 - Contact to Contact 70,000 Feet 300 Volts RMS Minimum
- MECHANICAL**
- Contact Diameter 0.028 inch
 - Creepage Between Contacts 0.06 inch Minimum
 - Air Space Between Contacts 0.06 inch Minimum
 - Polarization Guide pins and contact arrangement
 - Keying Guide Pins Available (See Page 29)
 - Socket Contacts Spring Tempered, Phosphor Bronze, Gold Plated (0.00005 inch) per MIL-G-45204, Type II, Class 1 over Copper Plate
 - Pin Contacts Phosphor Bronze, Gold Plated (0.00005 inch) per MIL-G-45204, Type II Class 1 over Copper Plate
 - Guide Pins, Sockets and Hardware Stainless Steel, passivated
 - Mounting Studs and Hardware Stainless Steel, passivated
 - Rivets Brass, Hot Tin Dipped
 - Shell (See Page PC-21) Die Cast Aluminum, Cadmium Plated With Supplementary Chromate Finish
 - Floating Eyelets (PC-21) Stainless Steel, Passivated
 - Insulation Material Diallyl Phthalate, Glass filled per MIL-M-14, Type GDI-30F
 - Temperature Range -65? C to + 125? C
- APPROXIMATE WEIGHT**
- DEP45 (pin) 1 oz.
 - DEP45 (socket) 1 oz.

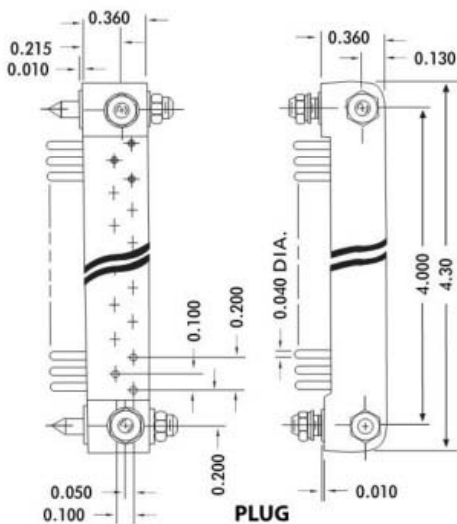
Questions? Contact Armel Electronics at: 1.800.840.0666



DEP 37 SERIES



PLUG



PLUG

CONTACT DATA		MOUNTING DATA					
		DIMENSION		GUIDE		RIVET	
PANEL THICKNESS	X	A	B	C	RIVET		
		RIGHT ANGLE	.06 .09 .12	.14	.22 .25 .31	.09 .12 .16	DEP 37P - 31JV2 DEP 37P - 6JV2 DEP 37P - 4JV2 DEP 37P - 41JV2 DEP 37P - 42JV2 DEP 37P - 43JV2
PLUG	STRAIGHT	.06 .09 .12	.20 .25 .25	.25	DEP 37P - 31JV2 DEP 37P - 32JV2 DEP 37P - 33JV2		
		.06 .09 .12	— — —	.25 .25 .31	DEP 37P - 91JV2 DEP 37P - 91JV2 DEP 37P - 91JV2 DEP 37P - 96JV2 DEP 37P - 85JV2 DEP 37P - 86JV2		

CONTACT DATA		MOUNTING DATA					
		DIMENSION		INSERT		RIVET	
BOARD THICKNESS	X	A	B	C	RIVET		
		PLUG	.06 .09 .12	.14 .14 .14	.25 .25 .31	.22 .19 .16	DEP 37M - 53JV2 DEP 37M - 519JV2 DEP 37M - 54JV2 DEP 37M - 3JV2 DEP 37M - 19JV2 DEP 37M - 4JV2 DEP 37M - 41JV2 DEP 37M - 42JV2 DEP 37M - 43JV2

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

Questions? Contact Armel Electronics at: 1.800.840.0666

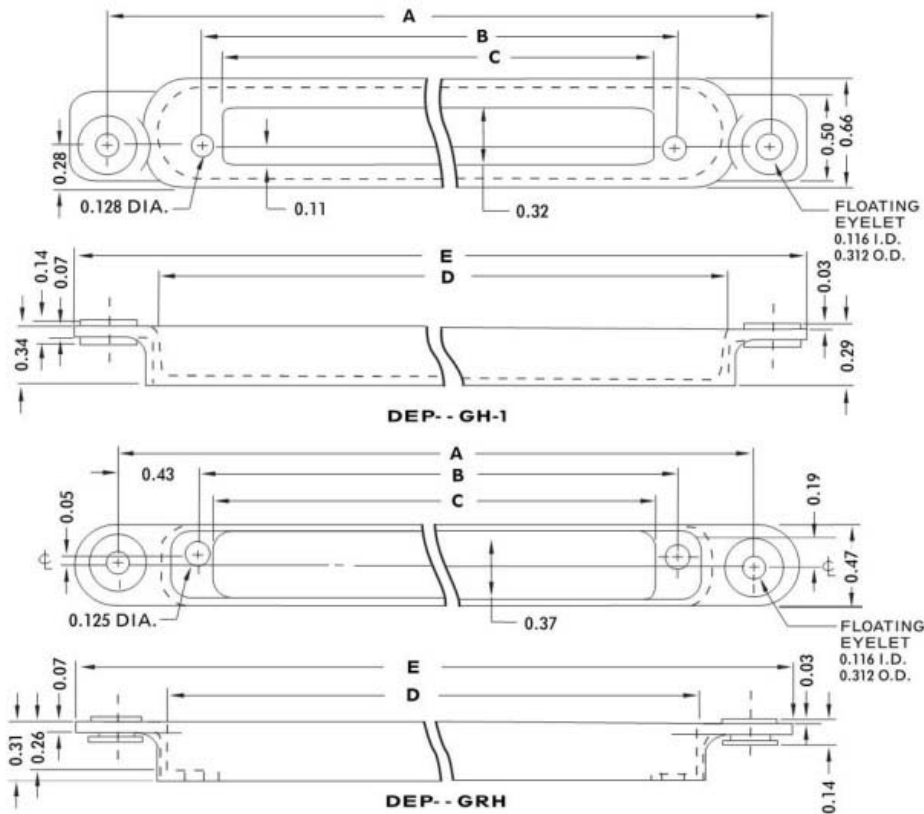
printed circuit connectors



DEP SHELLS

DESIGNED FOR THE . . .
 DEP 11, 15, 23, 37 and 45 Series Receptacles,
 thus allowing for additional protection and float
 when chassis mounted.

THE SHELLS . . .
 are assembled to the back of a receptacle by
 employing the same hardware and or guides
 normally supplied with the connector.

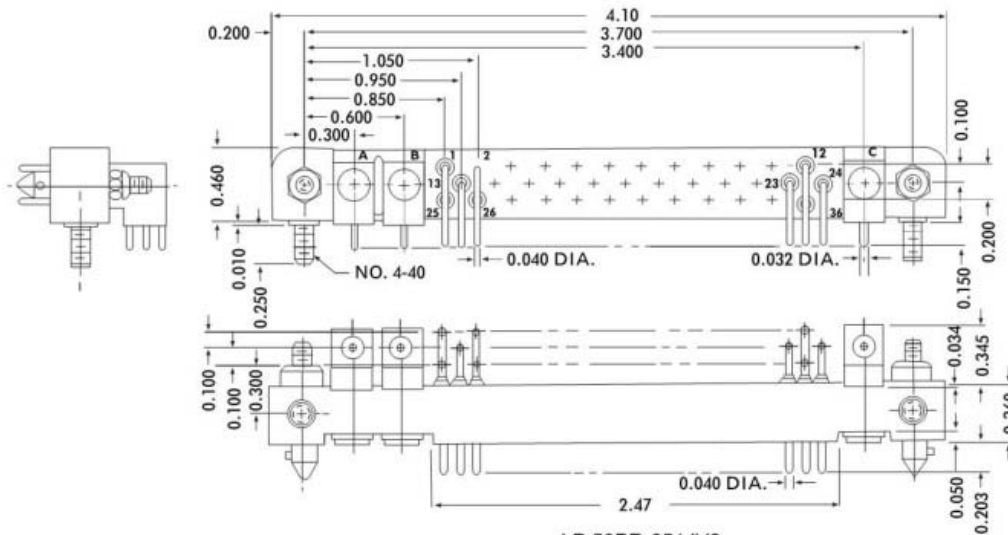
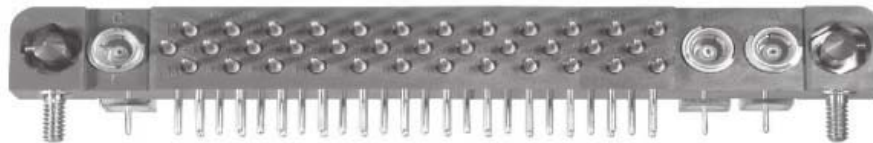


TYPE	"A"	"B"	"C"	"D"	"E"
DEP11GH-1	2.46	1.40	1.20	1.92	2.86
DEP15GH-1	2.86	1.80	1.60	2.32	3.26
DEP23GH-1	3.66	2.60	2.40	3.12	4.06
DEP37GH-1	5.06	4.00	3.80	4.52	5.46
DEP11GRH	2.26	1.40	1.20	1.71	2.73
DEP15GRH	2.66	1.80	1.60	2.11	3.13
DEP23GRH	3.46	2.60	2.40	2.91	3.93
DEP37GRH	4.86	4.00	3.80	4.31	5.33

MATERIAL: Aluminum per QQ-A-591
FINISH: Cadmium plated per QQ-P-416,
 Type II, Class 2



LP 50 COAX



LP 50PR-651JV2

SPECIFICATIONS

Coaxial Contact Assembly	(MIL-C-39012, Class II)
Impedance	50 ohms, nominal
Dielectric Withstanding Voltage	
Contact to Contact Sea Level	1200 volts RMS Minimum
Contact to Contact 70,000 Feet	300 volts RMS Minimum
Contact Diameter . . . . .	.020 inch
Contacts	Beryllium Copper
Shell	Brass
Insulation Material	Polytetrafluoroethylene, per MIL-P-19468
Plating for Coaxial Connectors	Gold Plate (.00005/.00007) per MIL-G-45204, Type I, Class 1, Grade C over (.00005/.000010) gold plate per MIL-G-45204, grade A or B over (.0001/.000125) copper plate per MIL-C-14550, Class 4 Center conductor gold plate, (.0001/.000125) per MIL-G-45204, Type I, Class 2, Grade C over (.000005/.000010) gold plate per MIL-G-45204, Grade A or B over (.0001/.000125) copper plate per MIL-C-14550, Class 4.
Power Contacts, Hardware and Insulation Material	See LP Specifications on Page 27
Temperature Range	-65? C to +125? C
Approximate Weight . . . . .	.7 oz.

Questions? Contact Armel Electronics at: 1.800.840.0666

printed circuit connectors

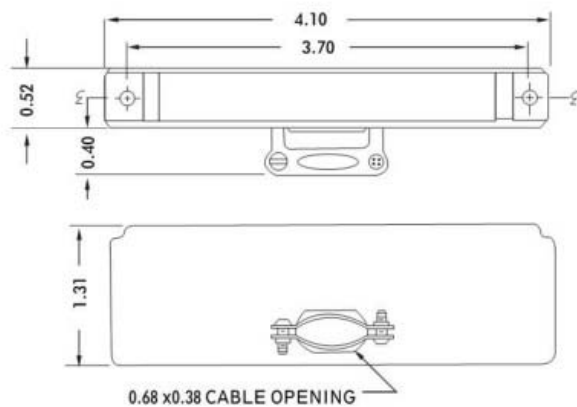
26



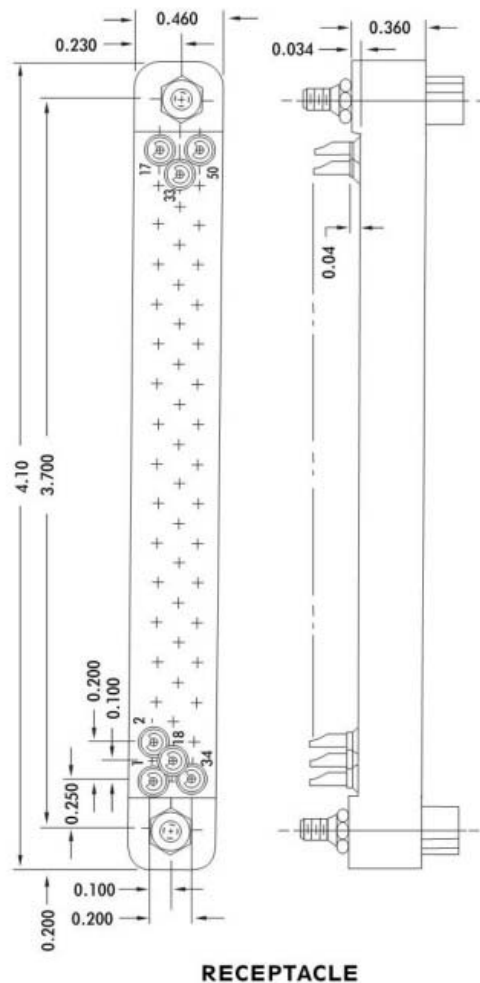
LP 50 SERIES



MOUNTING DATA				CONTACT DATA		RECEPTACLE
		DIMENSION		PANEL THICKNESS		
CLOSED ENTRY CONTACT	OPEN ENTRY CONTACT	A	X			
LP50K-201JV2	LP50S-201JV2	.25	.17	.06		 SOLDER CUP
LP50K-201JV2	LP50S-201JV2	.25	.17	.09		
				.12		
				.06		 TURRET
				.09		
				.12		
LP50K-3JV2	LP50S-203JV2	.25	.24	.06		 EYELET
LP50K-3JV2	LP50S-203JV2	.25	.24	.09		
				.12		
LP50K-4JV2	LP50S-34JV2	.25	.11	.06		 STRAIGHT
LP50K-244JV2	LP50S-8JV2	.25	.19	.09		
				.12		
				.025 SQ.		 WIRE WRAP
LP50K-277JV2				.06		
LP50K-277JV2				.09		
				.12		



Hood No. LP50H3
Available with Locking Device



RECEPTACLE

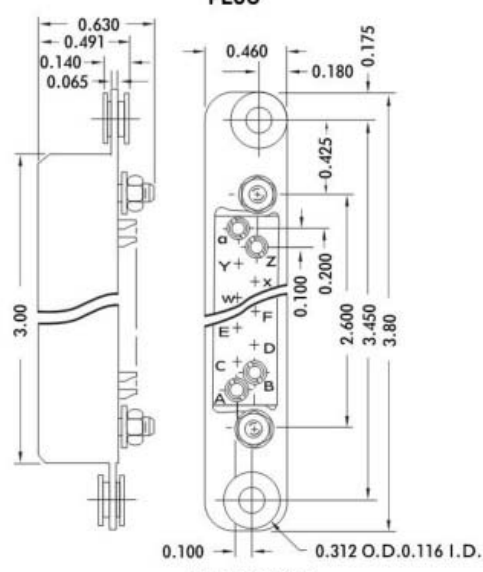
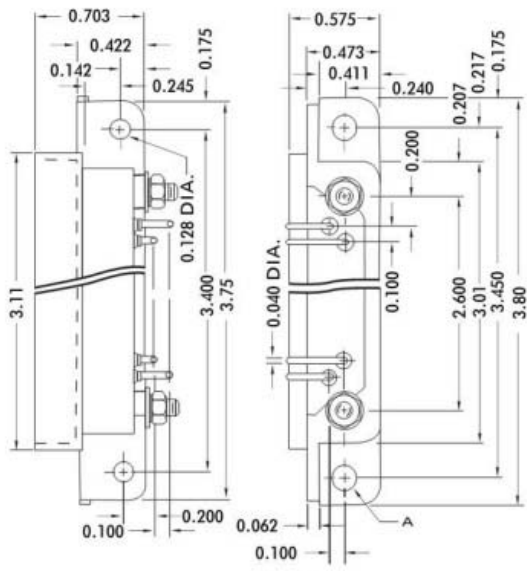
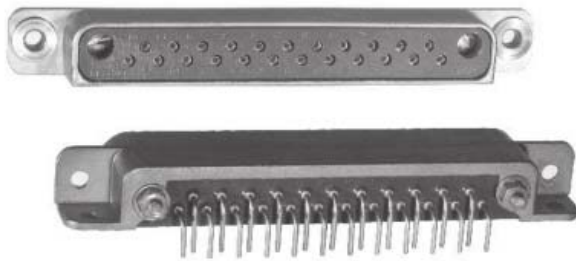
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

Questions? Contact Armel Electronics at: 1.800.840.0666

printed circuit connectors



DEP 23 SHELLS



CONTACT DATA		MOUNTING DATA		
		PANEL THICKNESS	DIMENSION	
RIGHT ANGLE	X	"A" DIA. .12	"A" DIA. .16	"A" DIA. .21
	.06	DEP23PHA-1JV2	DEP23PHA-2JV2	
	.09	DEP23PHA-1JV2	DEP23PHA-2JV2	
PLUG				
	-	.07	DEP23PHA-21JV2	DEP23PHA-22JV2
	-	.17	DEP23PHA-24JV2	DEP23PHA-25JV2
SOLDER CUP				
	-	.21	DEP23PHA-27JV2	DEP23PHA-28JV2
	-	.16	DEP23PHA-92JV2	DEP23PHA-93JV2
	-	.16	DEP23PHA-92JV2	DEP23PHA-93JV2
	-	.16	DEP23PHA-92JV2	DEP23PHA-93JV2

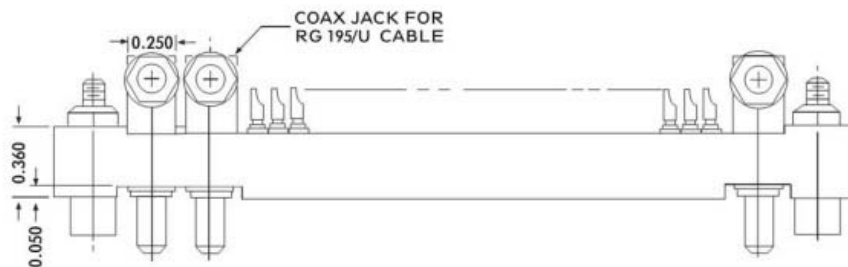
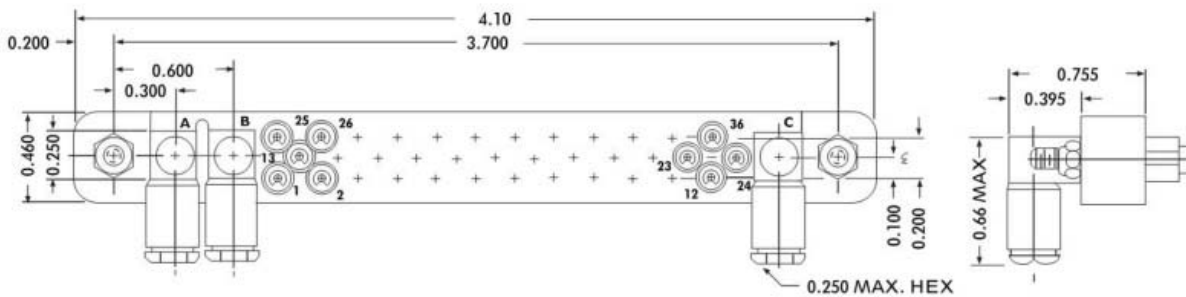
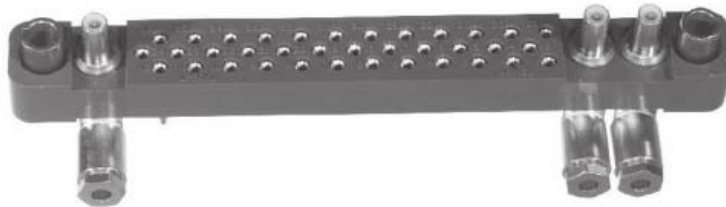
CONTACT DATA		MOUNTING DATA	
		DIMENSION	
SOLDER CUP	X	OPEN ENTRY CONTACT	CLOSED ENTRY CONTACT
	.11	DEP23SHA-1JV2	DEP23KHA-1JV2
TURRET			
	.17	DEP23SHA-2JV2	
EYELET			
	.17	DEP23SHA-3JV2	DEP23KHA-3JV2
STRAIGHT			
	.14	DEP23SHA-4JV2	DEP23KHA-8JV2
WIRE WRAP			
	.17	DEP23SHA-28JV2	
	.72	DEP23SHA-13JV2	

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

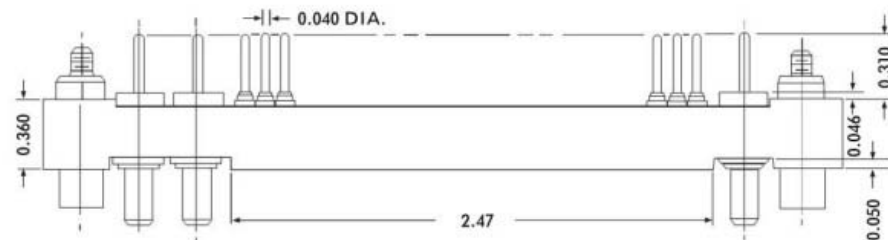
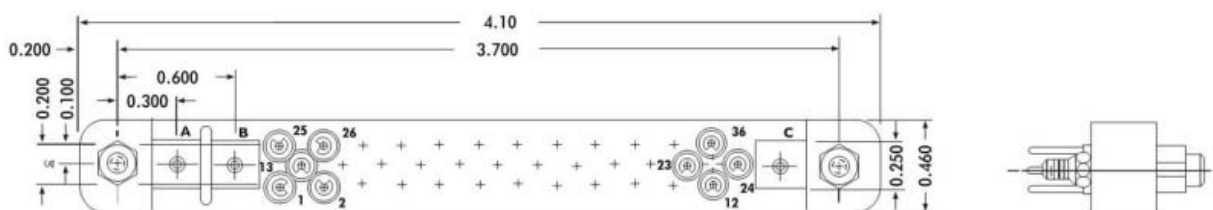
Questions? Contact Armel Electronics at: 1.800.840.0666

printed circuit connectors

LP 50 COAX



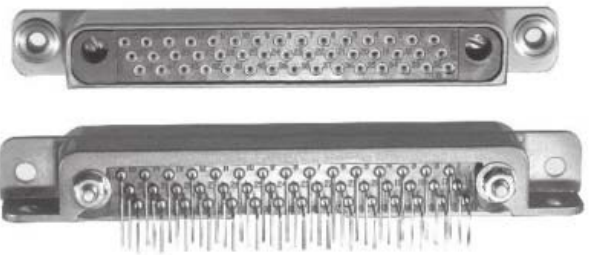
LP 50KJ-671JV2



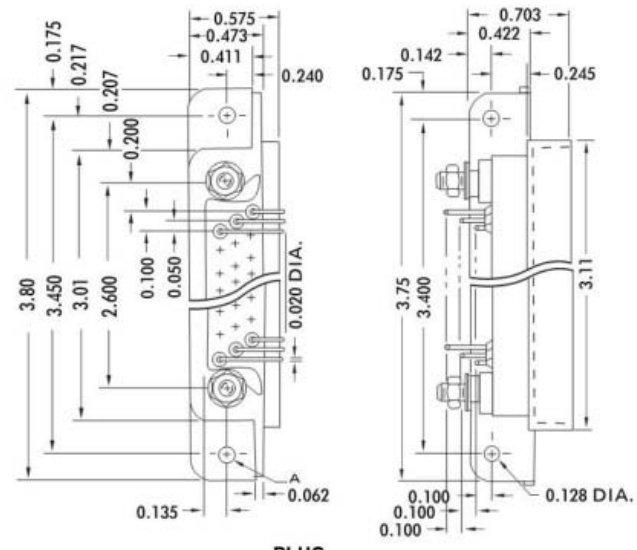
LP 50KJ-244JV2

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

DEP 45 SHELLS

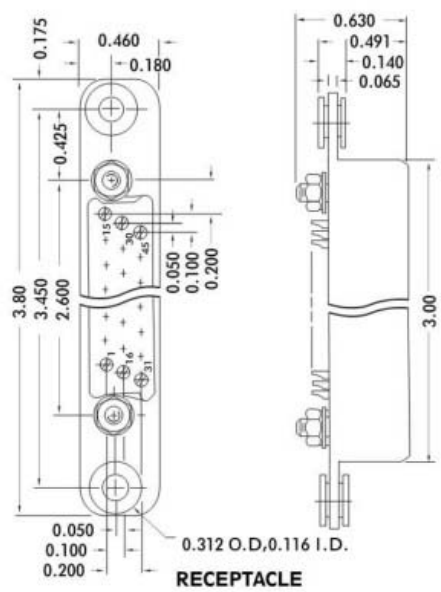


MOUNTING DATA				DIMENSION		CONTACT DATA	
				X	PANEL THICKNESS		
"A" DIA.	"A" DIA.	"A" DIA.					
.21	.16	.12					
		DEP 45PHA -3JV2	.13	.06			
		DEP 45PHA -3JV2	.13	.09			
		DEP 45PHA -7JV2	.20	.12			RIGHT ANGLE
							PLUG
							STRAIGHT
							SOLDER CUP



PLUG

MOUNTING DATA			DIMENSION		CONTACT DATA	
			X			
CLOSED ENTRY CONTACT	OPEN ENTRY CONTACT					
	DEP 45KHA -91JV2		.11			
						SOLDER CUP
						TURRET
						EYELET
						STRAIGHT
						WIRE WRAP
						OPEN ENTRY RECEPTACLE

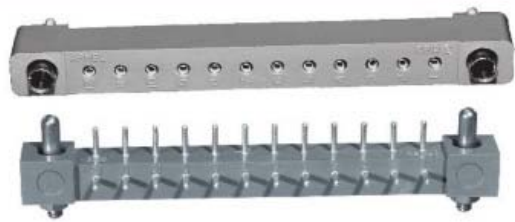


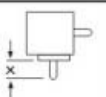
RECEPTACLE



FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

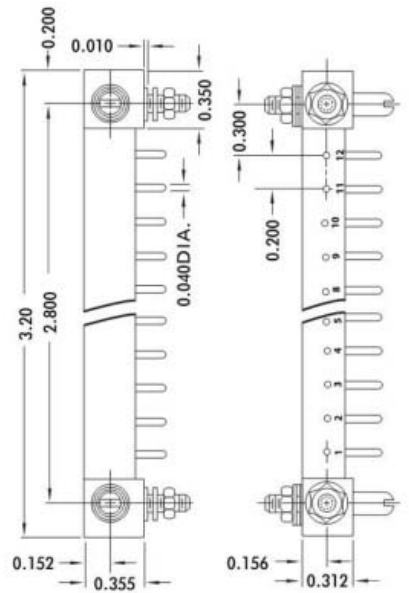


CP 12 SERIES

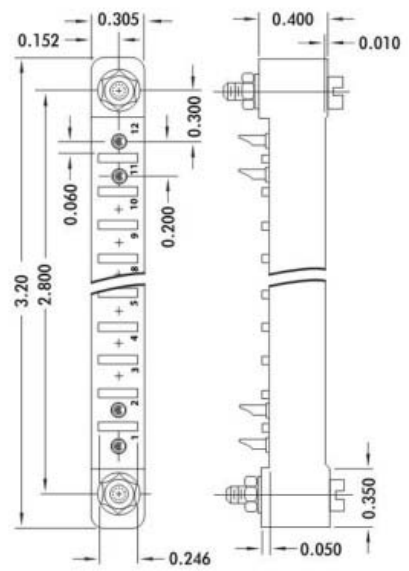


MOUNTING DATA							CONTACT DATA		
RIVET		STUD		GUIDE		DIMENSION	PANEL THICKNESS	 PLUG	
C	B	A	X						
				CP12P-5JV2	.19	.12	.06		
							.09		
							.12		

MOUNTING DATA							CONTACT DATA		 SOLDER CUP	
RIVET		STUD		GUIDE		DIMENSION	PANEL THICKNESS	 TURRET		
C	B	A	X							
				CP12S-105JV2	.28	.15	.12			
							.06			
							.09			
							.12			
							.06			
							.09			
							.12			
							.06			
				CP12S-5JV2	.28	.13	.12			
							.09			



PLUG



RECEPTACLE

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 33

Questions? Contact Armel Electronics at: 1.800.840.0666

CP SERIES



ELECTRICAL

Current Rating	7.5 amperes
Terminal Accomodation	
Solder Cup	One #20 AWG Wire
Eyelet and Turret	Two #20 AWG or Three #22 AWG Wire
Dielectric Withstanding Voltage	
Contact to Contact, Sea Level	2700 Volts RMS Minimum
Contact to Contact, 70,000 Ft.	560 Volts RMS Minimum

MECHANICAL

Contact Diameter . . . . .	.040 Inch
Creepage Between Contacts	5/32 Inch Minimum
Air Space Between Contacts	1/8 Inch Minimum
Polarization	Guide Pins and Sockets
Socket Contacts	Spring Tempered Beryllium Copper, Gold Plated (0 .00005 inch) over copper strike
Pin Contacts.	Brass, Gold Plated (0 .00005 inch) over copper strike
Guide Pins, Sockets & Hardware	Stainless Steel, Passivated
Mounting Studs and Hardware	Brass, Nickel Plated
Mounting Rivets	Brass, Hot Tin Dipped
Insulation Material	Diallyl Phthalate, Glass-Fiber Filled, MIL-M-14, Type GDI-30F. Choice of other "Mil Approved" Thermosetting Insulation (See Page 46)
Temperature Range	-65? C to +125? C

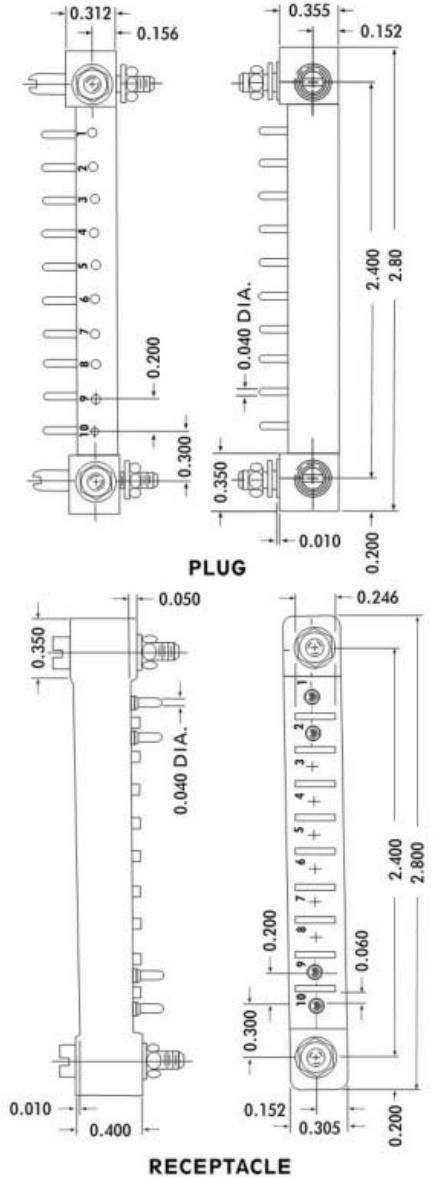
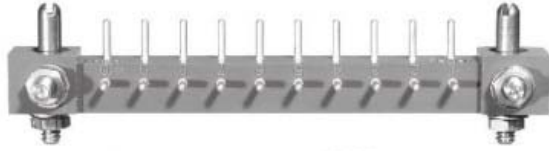
APPROXIMATE WEIGHT

CP 10 (pin ) . . . . .	.40 oz.
CP 10 (socket ) . . . . .	.40 oz.
CP 12 (pin ) . . . . .	.45 oz.
CP 12 (socket ) . . . . .	.45 oz.

SPECIFICATIONS

Listed on this page are the general specifications applicable to the illustrated CP Series **printed circuit connectors.**

CP 10 SERIES

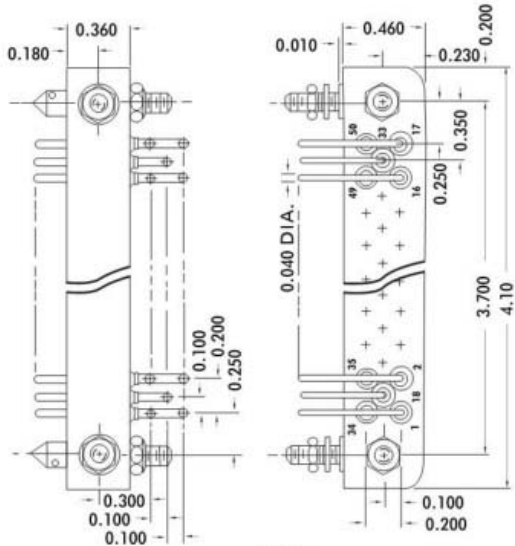
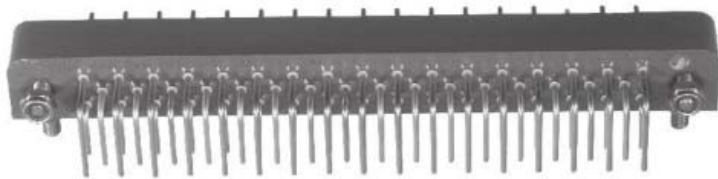


CONTACT DATA		MOUNTING DATA						
		PANEL THICKNESS	DIMENSION		No. 4-40		No. 4-40	
PLUG	X	A	INSERT	B	STUD	C	RIVET	
		.06	.12		.23	CP10P-3JV2		
		.09						
	.12							

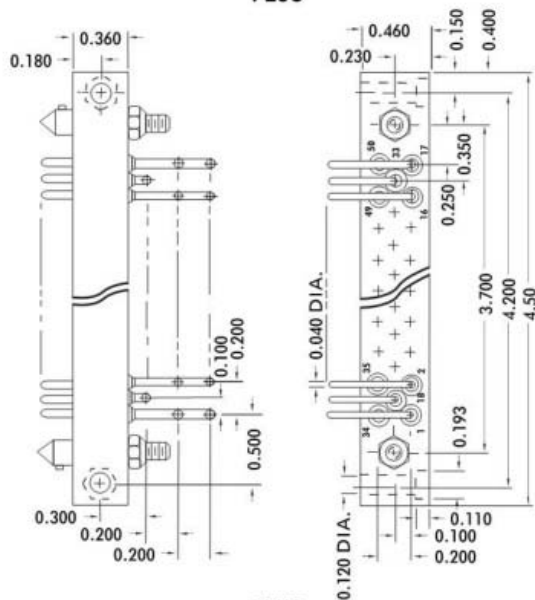
CONTACT DATA		MOUNTING DATA							
		PANEL THICKNESS	DIMENSION		No. 4-40		No. 4-40		
RECEPTACLE	OPEN ENTRY	X	A	GUIDE	B	STUD	C	RIVET	
		SOLDER CUP							
		TURRET							
		EYELET							
		STRAIGHT PIN	.06	.09	.12	.13	.28	CP10S-3JV2	

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 33

LP 50 SERIES



PLUG



PLUG

CONTACT DATA		MOUNTING DATA																
		PANEL THICKNESS DIMENSION		GUIDE		STUD		RIVET										
RIGHT ANGLE	X	A	GUIDE	B	STUD	C	RIVET	No. 4-40										
								.06	.15	.25	LP50P-859JV2	.25	LP50P-857JV2	.16	LP50P-861JV2	0.109D		
.09	.15	.25	LP50P-859JV2	.25	LP50P-857JV2	.16	LP50P-861JV2											
.12	.15	.25	LP50P-859JV2	.25	LP50P-857JV2	.16	LP50P-861JV2											
PLUG	STRAIGHT	X	A	GUIDE	B	STUD	C	RIVET	No. 4-40									
									.06	.20	.25	LP50P-592JV2	.25	LP50P-692JV2	.16	LP50P-992JV2		
									.09	.23	.25	LP50P-593JV2	.25	LP50P-693JV2	.16	LP50P-993JV2		
.12	.23	.25	LP50P-593JV2	.25	LP50P-693JV2	.16	LP50P-993JV2											
SOLDER CUP	X	A	GUIDE	B	STUD	C	RIVET	No. 4-40										
								.06	—	.25	LP50P-792JV2	.25	LP50P-691JV2	.16	LP50P-991JV2			
								.09	—	.25	LP50P-792JV2	.25	LP50P-691JV2	.16	LP50P-991JV2			
.12	—	.25	LP50P-792JV2	.25	LP50P-691JV2	.16	LP50P-991JV2											

CONTACT DATA		MOUNTING DATA									
		PANEL THICKNESS DIMENSION		THRU HOLE							
RIGHT ANGLE	X	A	GUIDE	A	THRU HOLE						
						.06	.15			.25	LP50P-6JV2
.09	.15			.25	LP50P-6JV2						
.12	.21			.25	LP50P-1JV2						
PLUG	STRAIGHT	X	A	GUIDE	THRU HOLE						
						.06	.20	.25	LP50P-92JV2	.25	LP50P-92JV2
						.09	.23	.25	LP50P-93JV2	.25	LP50P-93JV2
.12	.23	.25	LP50P-93JV2	.25	LP50P-93JV2						
SOLDER CUP	X	A	GUIDE	THRU HOLE	No. 4-40						
					.06	—	.25	LP50P-91JV2	.25	LP50P-91JV2	
					.09	—	.25	LP50P-91JV2	.25	LP50P-91JV2	
.12	—	.25	LP50P-91JV2	.25	LP50P-91JV2						

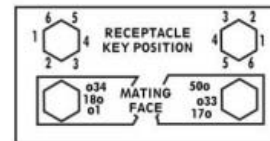
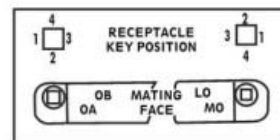
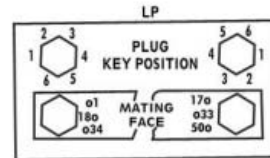
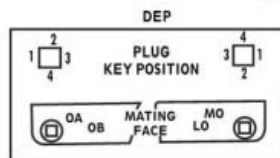
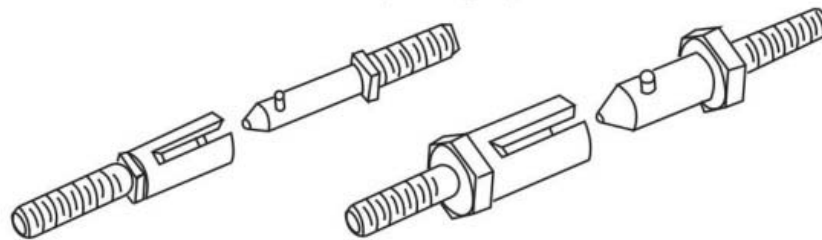
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

DEP LP POLARIZATION



KEYED PILOT ARRANGEMENTS

64 (DEP Series) Keying Arrangements
 144 (LP Series) can be obtained by positioning
 keyed Pilot Pin and Sockets in their
 (DEP Square) — Bases
 (LP Hexagonal)



FIRST SYMBOL:

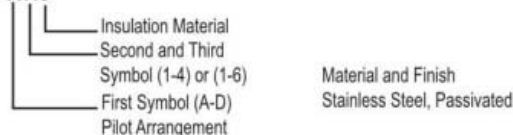
- A — Plug, 2 Pilot Pins
 Receptacle, 2 Pilot Sockets
- B — Plug, 2 Pilot Sockets
 Receptacle, 2 Pilot Pins
- C — Plug, 1 Pilot Pin Adjacent to Contact A, or lowest number Contact
 1 Pilot Socket Adjacent to highest letter, or number Contact
 Receptacle, 1 Pilot Socket, Adjacent to Contact A, or lowest number Contact
 1 Pilot Pin Adjacent to highest letter, or number Contact
- D — Plug, 1 Pilot Socket, Adjacent to Contact A, or lowest number Contact
 1 Pilot Pin Adjacent to highest letter, or number Contact
 Receptacle, 1 Pilot Pin Adjacent to Contact A, or lowest number Contact
 1 Pilot Socket Adjacent to highest letter, or number Contact

SECOND SYMBOL: Indicates keying position of Pilot Adjacent to lowest letter or numbered Contact

THIRD SYMBOL: Indicates keying position of Pilot Adjacent to highest letter or numbered Contact

DEP23P-1-A11J

LP50P-1-A11J

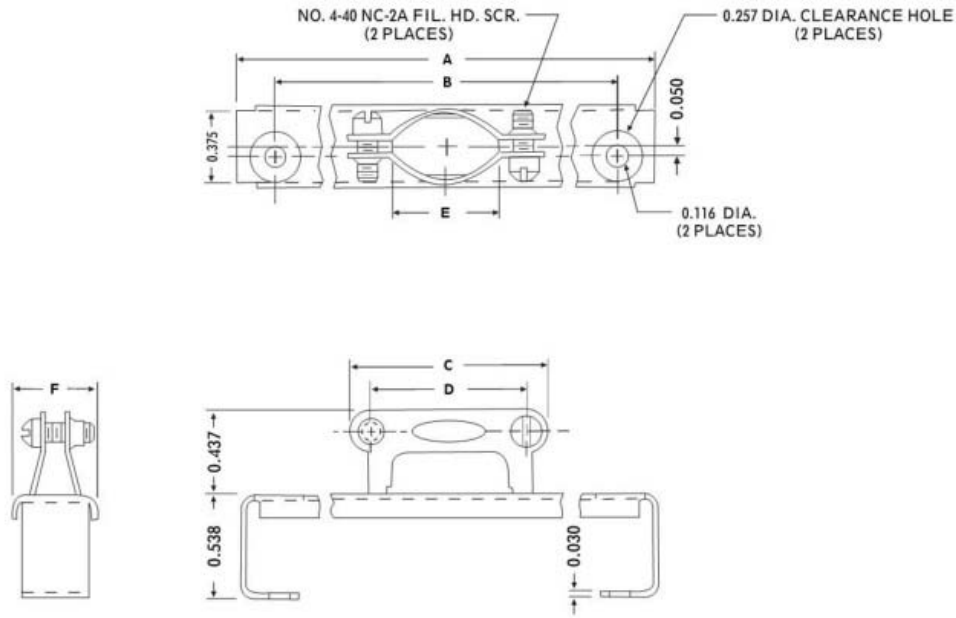


NOTE: Mating Connectors will have the same keying code
 Keying arrangements can also be adapted to the CP Series



CB BRACKETS

DESIGNED FOR THE . . . DEP 11, 15, 23, 36, 37 and 45 Series Receptacles,
THE BRACKETS . . . are assembled to the back of a receptacle by employing
the same hardware and or guides normally supplied with the connector.



TYPE	A	B	C	D	E	F
DEP-11CB-1	1.800	1.400	0.843	0.625	0.406	0.546
DEP-15CB-1	2.200	1.800	1.031	0.812	0.562	0.546
DEP-23CB-1	3.000	2.600	1.031	0.812	0.562	0.546
DEP-36CB-1	2.550	2.150	1.031	0.812	0.562	0.546
DEP-37CB-1	4.400	4.000	1.118	0.900	0.688	0.546
DEP-45CB-1	3.000	2.600	1.031	0.812	0.562	0.546

TYPE	A	B	C	D	E	F
DEP-11CB-2	1.800	1.400	0.843	0.625	0.406	0.440
DEP-15CB-2	2.200	1.800	1.031	0.812	0.562	0.440
DEP-23CB-2	3.000	2.600	1.031	0.812	0.562	0.440
DEP-36CB-2	2.550	2.150	1.031	0.812	0.562	0.440
DEP-37CB-2	4.400	4.000	1.118	0.900	0.688	0.440
DEP-45CB-2	3.000	2.600	1.031	0.812	0.562	0.440

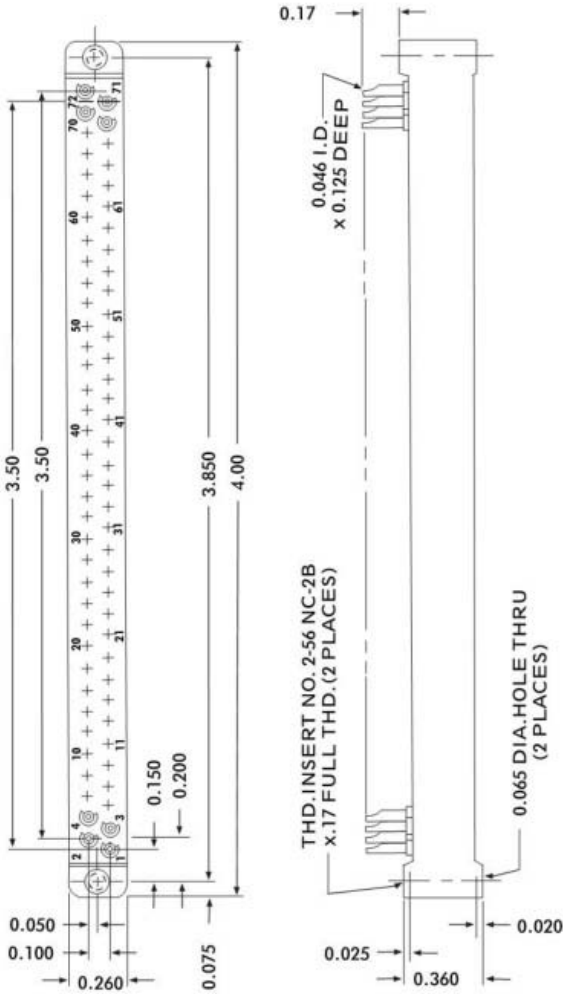
1. MATERIAL :

Cable Bracket, Screws :- Cres. per QQ-S-763/766.
Class 303, Cond. A.
Cable Clamp :- Aluminum.

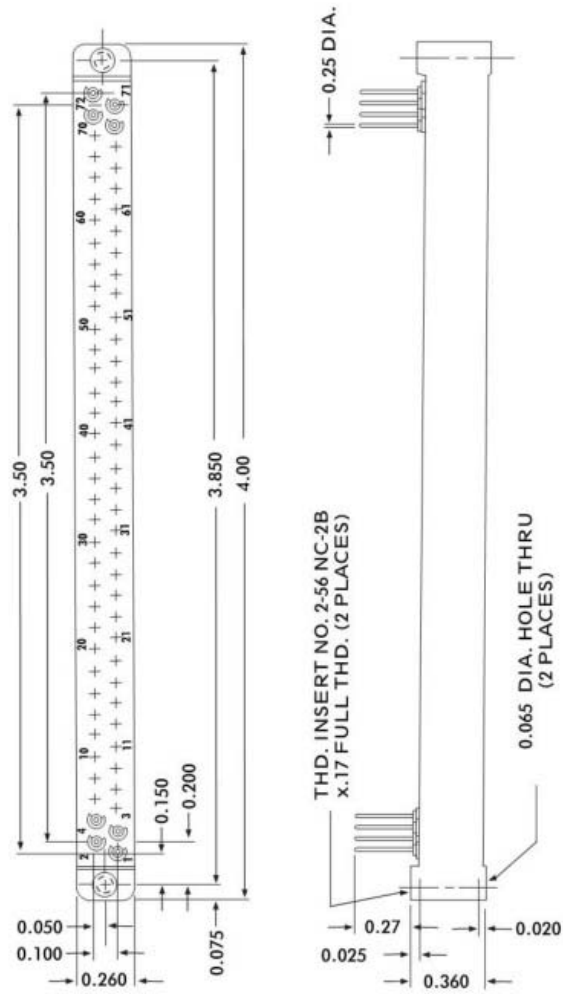
2. FINISH :-

Cable Bracket, Screws :- Passivated per QQ-P-35.
Cable Cramp :- Anodized.

AEP 72 SERIES



AEP72K-1JV2

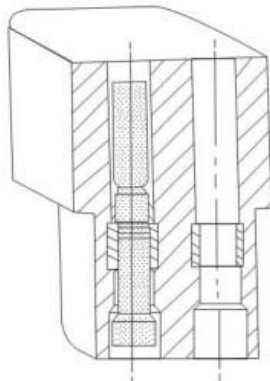


AEP72K-4JV2

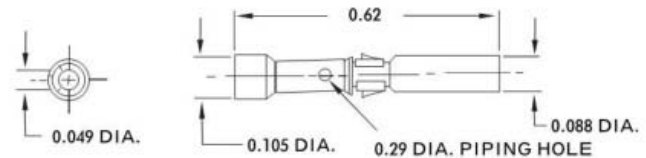
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 36



LP 50 CRIMP



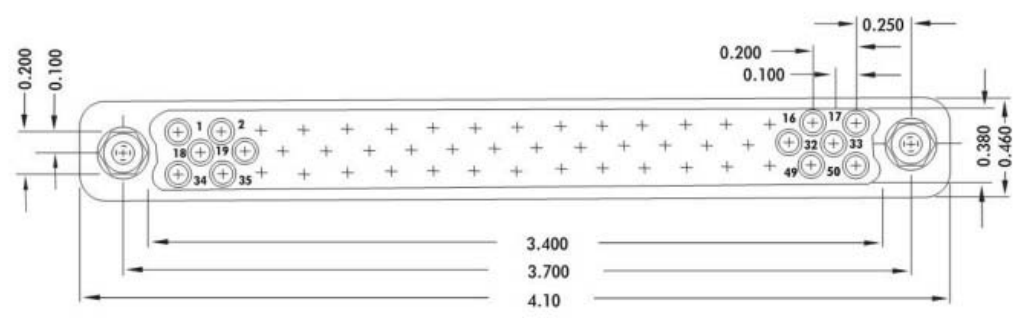
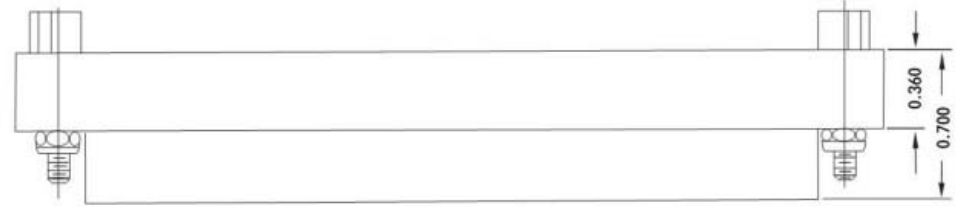
Crimp Removable Contacts



Closed Entry Contact
No. 1007003-1



Removing Tool
No. T9066-1



LP 50CK-270J

SPECIFICATIONS

Current Rating	7.5 amperes
Contact Size	0.040 Inch
Terminal Accomodation	One No. 18, One No. 20, One or Two No. 22, Two or Three No. 24 AWG Wire
Contact Material & Plating	Phosphor, Bronze, Gold Plated
(Sleeve-Brass)	(0.000050 inch) per MIL-G-45204, Type II, Class I, Over Copper Plate
Contact Retaining Clip	Stainless Steel, Passivated
Guide Sockets & Hardware	Stainless Steel, Passivated
Insulation Material	Diallyl Phthalate, Glass-Fiber Filled per MIL-M-14, Type GDI-30F
Crimping Tool	No. MS 3191A
Positioner	No. 612192
Insertion Tool	Not required

Questions? Contact Armel Electronics at: 1.800.840.0666

DEP LP SERIES



SPECIFICATIONS

Listed on this page are the general specifications applicable to the illustrated DEP 7, 11, 15, 23, 36, 37 and LP 50 Series printed circuit connectors.

ELECTRICAL

Current Rating	7.5 amperes
Terminal Accomodation	
Solder Cup	One #20 AWG Wire
Eyelet and Turret	Two #20 AWG or Three #22 AWG Wire
Dielectric Withstanding Voltage	
Contact to Contact, Sea Level	1500 Volts RMS Minimum
Contact to Contact, 70,000 Ft.	375 Volts RMS Minimum

MECHANICAL

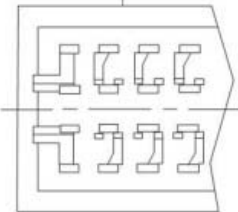
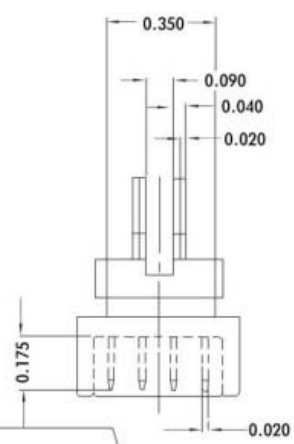
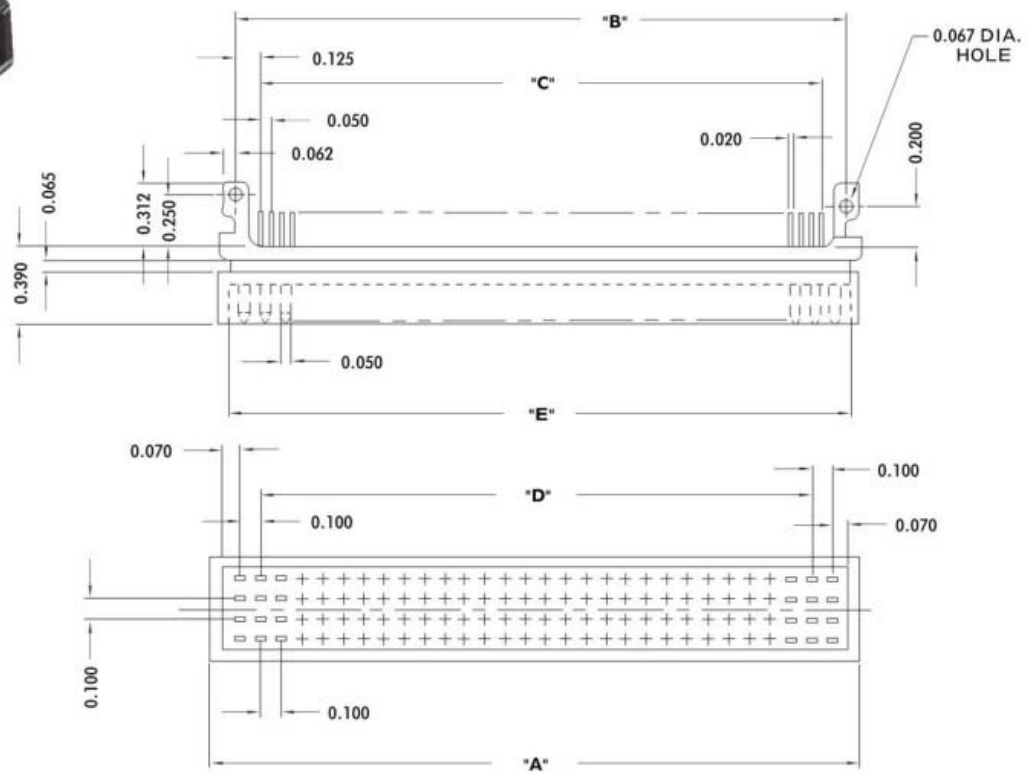
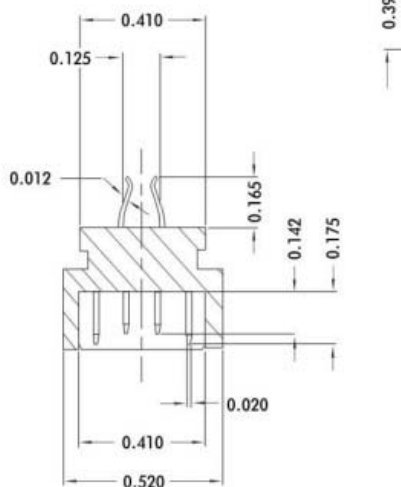
Contact Diameter . . . . .	.040 Inch
Creepage Between Contacts	5/64 Inch Minimum
Air Space Between Contacts	3/64 Inch Minimum
Socket Contacts	Spring Tempered, Phosphor Bronze or Berylium Copper
	Gold Plated (0.00005 inch) per MIL-G-45204, Type II, Class 1 over Copper Strike
Pin Contacts	Phosphor Bronze or Brass, Gold Plated (0.00005 inch) per MIL-G-45204, Type II, Class 1 over Copper Strike
Guide Pins, Sockets & Hardware	
DEP Series	Brass, Cadmium Plated with Supplementary Chromate Finish or Stainless Steel Passivated
LP Series	Stainless Steel, Passivated
Mounting Studs and Hardware	Brass, Nickel Plated
Mounting Rivets	Brass, Hot Tin Dipped
Shell	Die Cast Aluminum, Cadmium Plated with Supplementary Chromate Finish
Floating Eyelets	Stainless Steel, Passivated
Insulation Material	
DEP Series	Suffix "J" (i.e. DEP23P-3JV2) Diallyl Phthalate, Glass-Fiber Filled, per MIL-M-14, Type GDI-30F
	Suffix "H" (i.e. DEP23P-3HV2) Diallyl Phthalate, Orlon Filled, per MIL-M-14, Type SDI-5
	Suffix "L" (i.e. DEP23P-3LV2) Diallyl Phthalate, Glass-Fiber Filled per MIL-M-14, Type SDG-F

NOTE: DEP-M Type plugs are only available in "J" material.
 DEP-P Type plugs and all receptacles are available in "J" or "H" material.
 For Color and material compatibility when ordering plugs and receptacles we recommend one type of insulation material be specified.

LP Series	Diallyl Phthalate, Glass-Fiber Filled, per MIL-M-14, Type GDI-30F		
Temperature Range	-65? C +125? C		
APPROXIMATE WEIGHT			
DEP 7 (pin ) . . . . .	.44 oz.	DEP 7 (socket ) . . . . .	.26 oz.
DEP 11 (pin ) . . . . .	.51 oz.	DEP 11 (socket ) . . . . .	.32 oz.
DEP 15 (pin ) . . . . .	.87 oz.	DEP 15 (socket ) . . . . .	.40 oz.
DEP 15 (pin-shell ) . . . . .	.63 oz.	DEP 15 (socket-shell ) . . . . .	.67 oz.
DEP 23 (pin)	1.10 oz.	DEP 23 (socket ) . . . . .	.52 oz.
DEP 23 (pin-shell ) . . . . .	.43 oz.	DEP 23 (socket-shell ) . . . . .	.85 oz.
DEP 36 (pin ) . . . . .	.94 oz.	DEP 36 (socket ) . . . . .	.45 oz.
DEP 37 (pin)	1.80 oz.	DEP 37 (socket ) . . . . .	.70 oz.
LP 50 (pin)		LP 50 (socket)	1.30 oz.



PC-P SERIES



TRANSPARENT AS SEEN FROM MATING SURFACE

PART NO.	"A"	"B"	"C"	"D"	"E"
PC-44P-IL2FT3	1.250	1.100	0.850	0.800	1.140
PC-60P-IL2FT3	1.650	1.500	1.250	1.200	1.540
PC-88P-IL2FT3	2.350	2.200	1.950	1.900	2.240
PC-120P-IL2FT3	3.150	3.000	2.750	2.700	3.040

SPECIFICATIONS

Current Rating5 Amperes
 Dielectric Withstanding Voltage:
 Contact to Contact
 Sea Level1100 Volts
 70,000 Feet.375 Volts

CONTACTS:

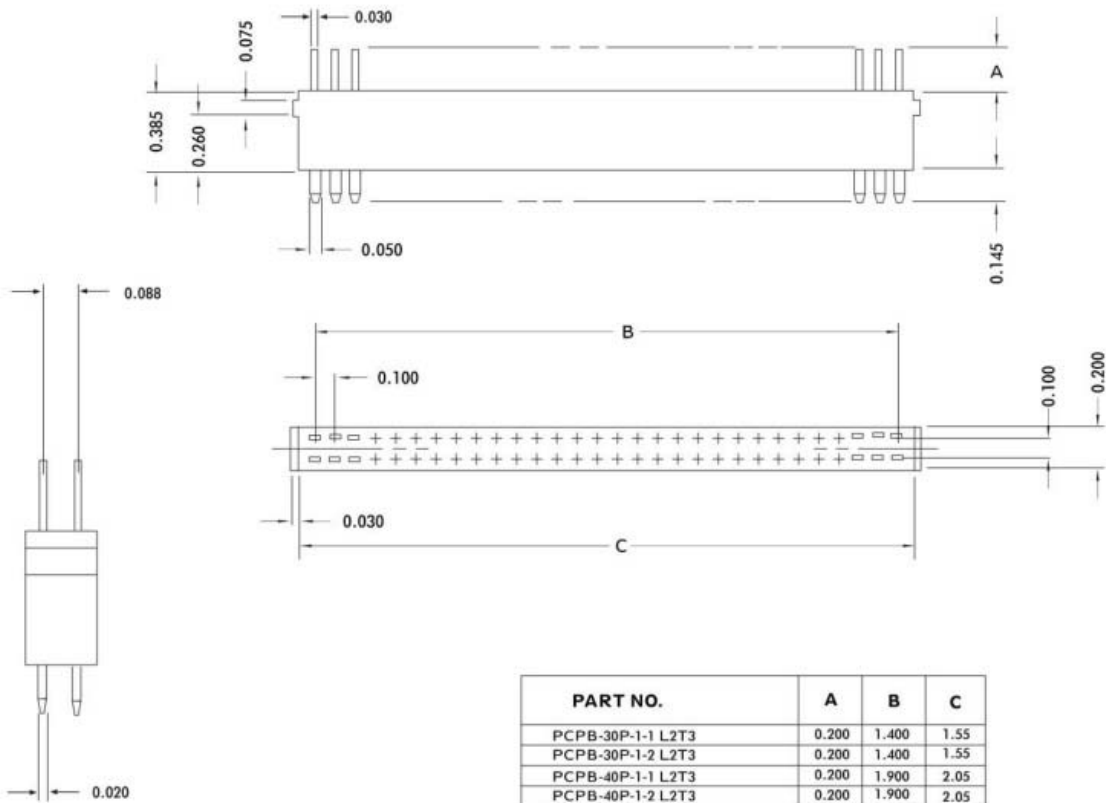
Signal ContactBrass per QQ-B-613, 1/2 Hard, Composition 2
 Ground ContactCres per ASTM-A-666, CLASS 302
 Contact FinishGold Plated per MIL-G-45204, Type II, Class 1
 over Nickel Plate per QQ-N-290, Type VII, Class 1
 Contact TailsHot Solder Dipped, 60/40 Tin Lead per QQ-S-571
 (OTHER PLATINGS AVAILABLE UPON REQUEST)
 Insulation MaterialDiallyl Phthalate per MIL-M-14, Type SDG-F, Color Black

Questions? Contact Armel Electronics at: 1.800.840.0666

PCPB SERIES



BLADE CONTACTS

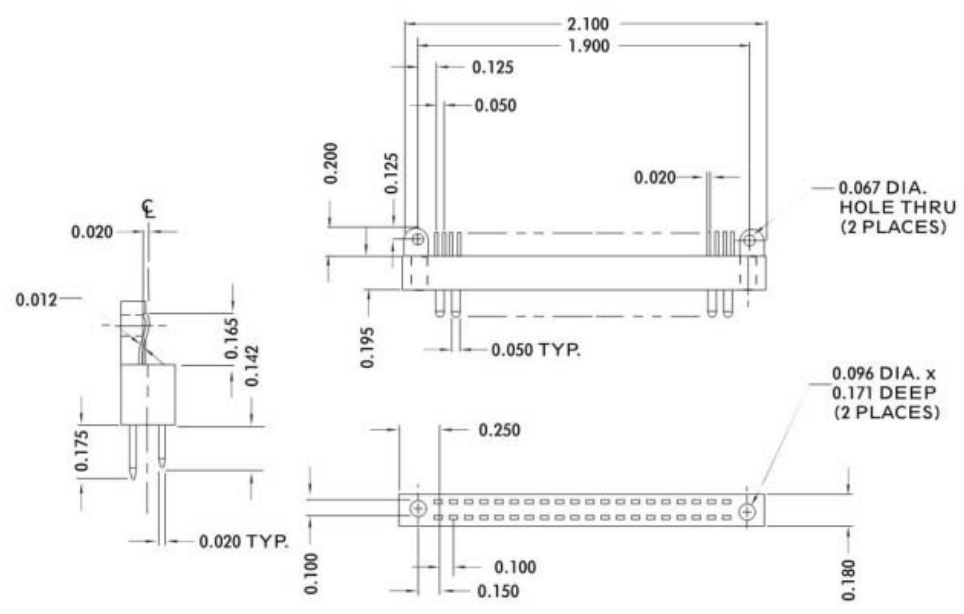


PART NO.	A	B	C
PCPB-30P-1-1 L2T3	0.200	1.400	1.55
PCPB-30P-1-2 L2T3	0.200	1.400	1.55
PCPB-40P-1-1 L2T3	0.200	1.900	2.05
PCPB-40P-1-2 L2T3	0.200	1.900	2.05
PCPB-60P-1-1 L2T3	0.200	2.900	3.05
PCPB-60P-1-2 L2T3	0.200	2.900	3.05
PCPB-70P-1-1 L2T3	0.200	3.400	3.55
PCPB-70P-1-2 L2T3	0.200	3.400	3.55

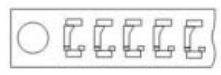
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 37



PCPE SERIES



PCPE-34P-1L2T3



TRANSPARENT VIEW AS SEEN FROM MATING SURFACE

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 37

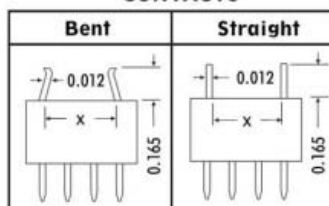
Questions? Contact Armel Electronics at: 1.800.840.0666



PCPH SERIES



CONTACTS



T	PART NO.	X	X	A	B	C	D	
0.102	PCPH-128P-1L2FT3		0.255		3.65	3.450	3.400	*
0.102	PCPH-140P-1L2FT3	0.255			3.95	3.750	3.700	*
0.102	PCPH-280P-1L2FT3	0.255		7.75		3.775	7.500	**
0.102	PCPH-280P-2L2FT3	0.269		7.75		3.775	7.500	**

T	PART NO.	X	X	A	B	C	D	
0.060	PCPHA-280P-1L2FT3	0.290		7.75		3.775	7.50	**
0.060	PCPHA-56P-12L2FT3	0.269			2.05	1.850	1.600	*
0.045	PCPHJ-224P-1L2FT3	0.250		6.35		3.075	6.100	**
0.045	PCPHJ-224P-2L2FT3	0.290		6.35		3.075	6.100	**
0.060	PCPHA-72P-1L2FT3	0.290			2.25	2.050	2.000	*
0.060	PCPHA-280P-2L2FT3	0.255		7.75		3.775	7.50	**
0.060	PCPHN-280P-1L2FT3	0.306		7.75	3.97	3.775	7.50	**
0.060	PCPHN-280P-2L2FT3	0.306		7.75	3.97	3.775	7.50	**

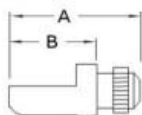
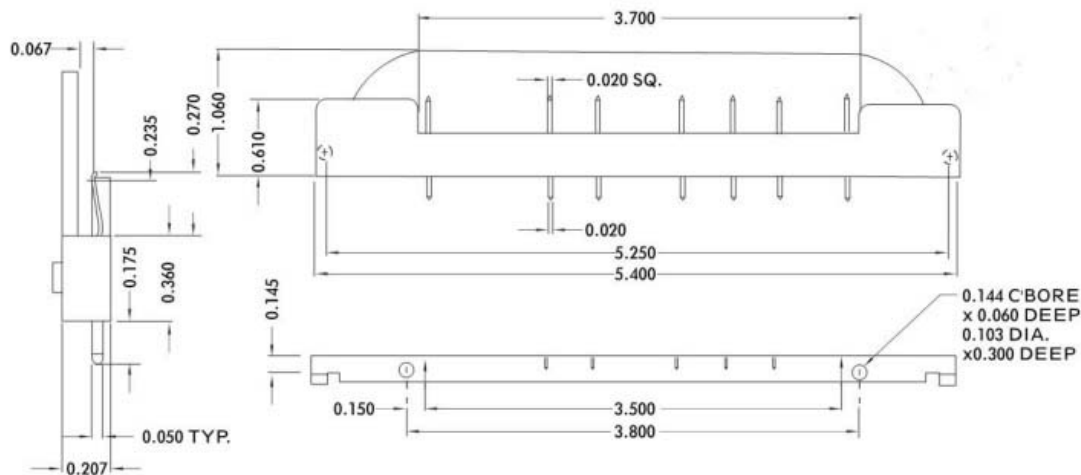
* TWO MOUNTING TABS
** THREE MOUNTING TABS

Questions? Contact Armel Electronics at: 1.800.840.0666

printed circuit connectors

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PCPF SERIES



	A	B
NO.1005064-1	0.390	0.270
NO.1005064-2	0.350	0.230

PART NO.	NUMBER OF CONTACTS	CONTACTS INCLUDED
PCPF-7P-1L2T3	7	1, 11, 15, 22, 26, 30 & 36
PCPF-11P-1L2T3	11	3, 11, 17, 18, 22, 23, 28, 29, 31, 33 & 34
PCPF-7P-2L2T3	7	2, 6, 10, 13, 21, 25 & 29
PCPF-8P-1L2T3	8	1, 3, 4, 5, 12, 14, 22 & 28
PCPF-11P-2L2T3	11	16, 20, 22, 23, 30 THRU 36
PCPF-3P-1L2T3	3	14, 18 & 21

SPECIFICATIONS

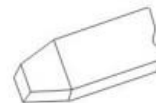
Current Rating 5 Amperes
 Dielectric Withstanding Voltage:
 Contact to Contact
 Sea Level 1100 Volts
 70,000 Feet. 375 Volts

CONTACTS:

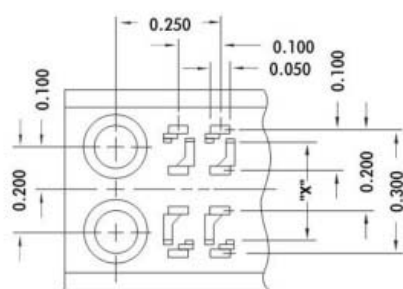
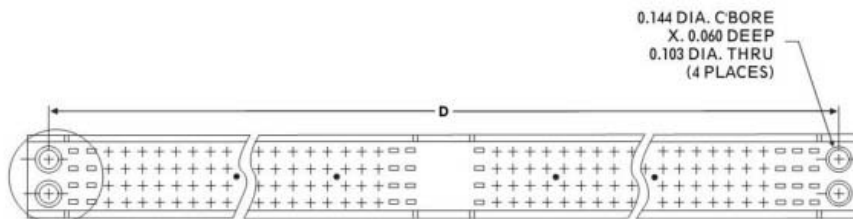
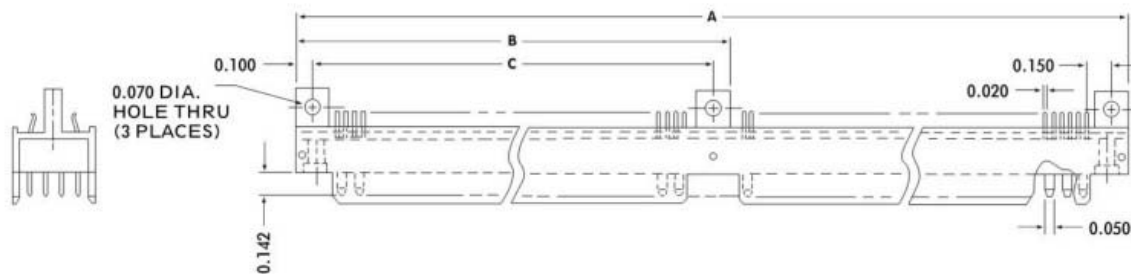
Contact Material. Brass per QQ-B-613, 1/2 Hard, Composition 2
 Contact Finish. Gold Plated per MIL-G-45204, Type II, Class 1
 Over Nickel Plate per QQ-N-290, Type VII, Class 1
 (OTHER PLATINGS AVAILABLE UPON REQUEST)
 Insulation Material. Diallyl Phthalate per MIL-M-14, Type SDG-F, Color Black
 Polarization. The Utilization of Pilot PIN 1005064- Permits sixteen (16)
 Possible Polarizing Positions



PCPH SERIES

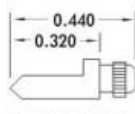


BLADE CONTACTS

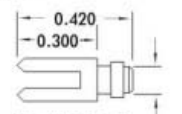


Transparent View as Seen From Mating Side

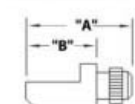
GUIDE PINS



NO. 1007059-1



NO. 1007061-1



	A	B
NO. 1007060-1	.390	.270
NO. 1007060-2	.350	.230

PCPH-280P-1 L2FT3

- Contact Plating
- Hot Solder Dip
- Insulation Material
- Contact Style & Spacing
- Pin Contact
- Number of Contacts
- Shroud Style

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 45

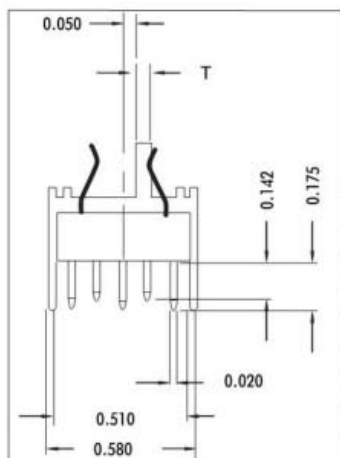
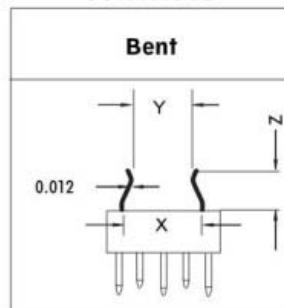
Questions? Contact Armel Electronics at: 1.800.840.0666

printed circuit connectors

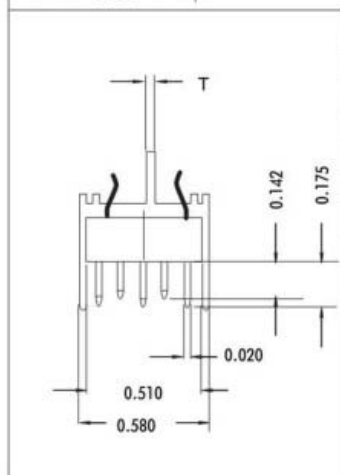


PCPHP, PCPHR & PCPHAE 400 & 500 SERIES

CONTACTS



T	PART NO.	X	Y	Z	A	B	C	D	E
0.060	PCPHAE-420P-3L2FT3	0.340	0.180	0.250	9.45	9.280	3.090	3.100	9.20



T	PART NO.	X	Y	Z	A	B	C	D	E
0.060	PCPHR-400P-3L2FT3	0.340	0.250	0.180	9.050	8.850	2.875	3.100	8.80
0.060	PCPHR-420P-3L2FT3	0.340	0.250	0.180	9.450	9.250	3.075	3.100	9.20
0.045	PCPHP-420P-6L2FT3	0.340	0.275	0.180	9.450	9.250	3.075	3.100	9.20
0.045	PCPHP-450P-3L2FT3	0.340	0.250	0.180	10.050	9.850	3.075	3.700	9.80
0.045	PCPHP-490P-3L2FT3	0.340	0.250	0.180	10.850	10.650	3.775	3.100	10.60
0.045	PCPHP-520P-3L2FT3	0.340	0.250	0.180	11.450	11.250	3.775	3.700	11.20

* FOUR MOUNTING TABS

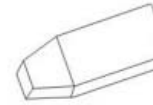
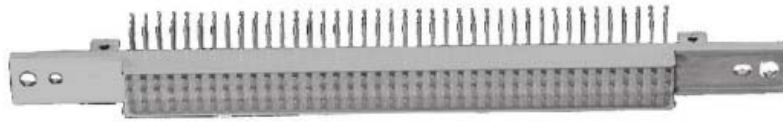
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 47

Questions? Contact Armel Electronics at: 1.800.840.0666

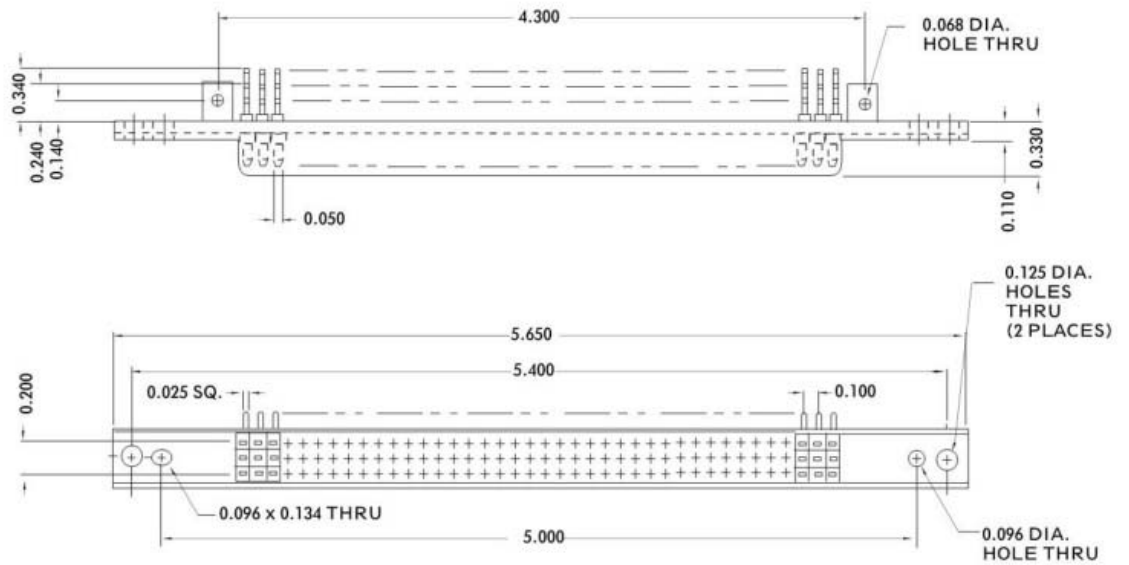
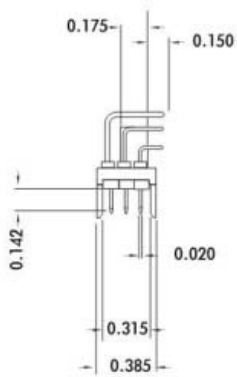
printed circuit connectors

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PCPHY SERIES



BLADE CONTACTS

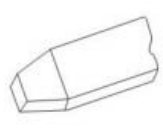


PCPHY-120P-1FT3

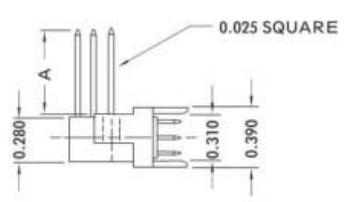
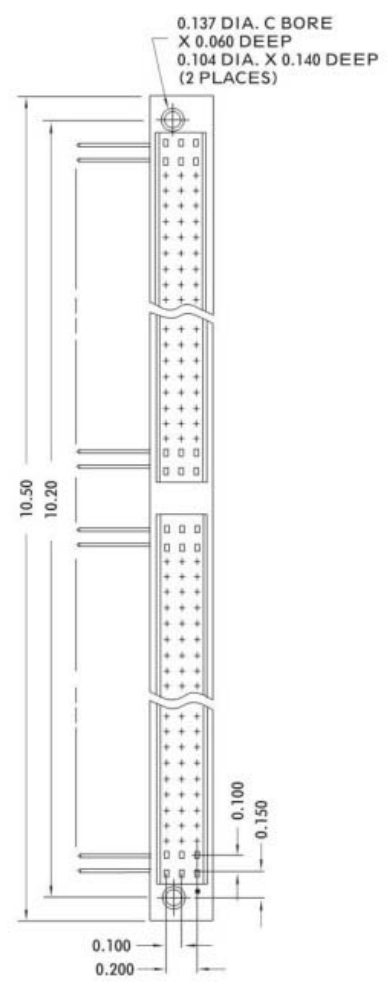
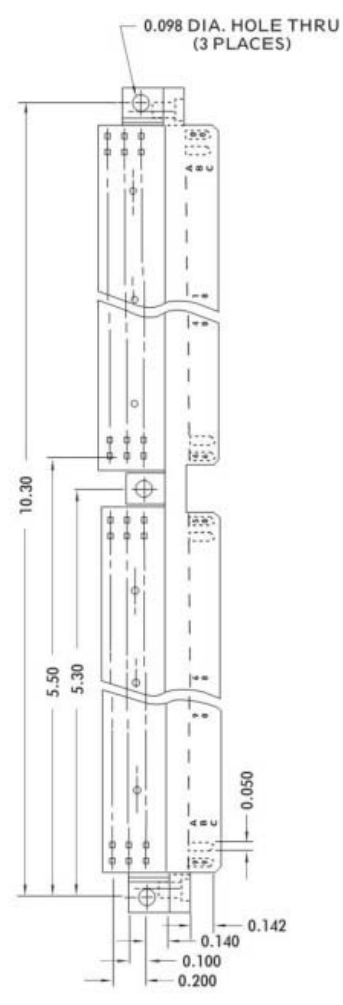
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 56



PCPHD SERIES



BLADE CONTACTS

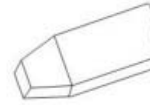


PART NUMBER	'A'
PCPHD-291P-1L2T3	0.533
PCPHD-291P-4L2T3	0.125

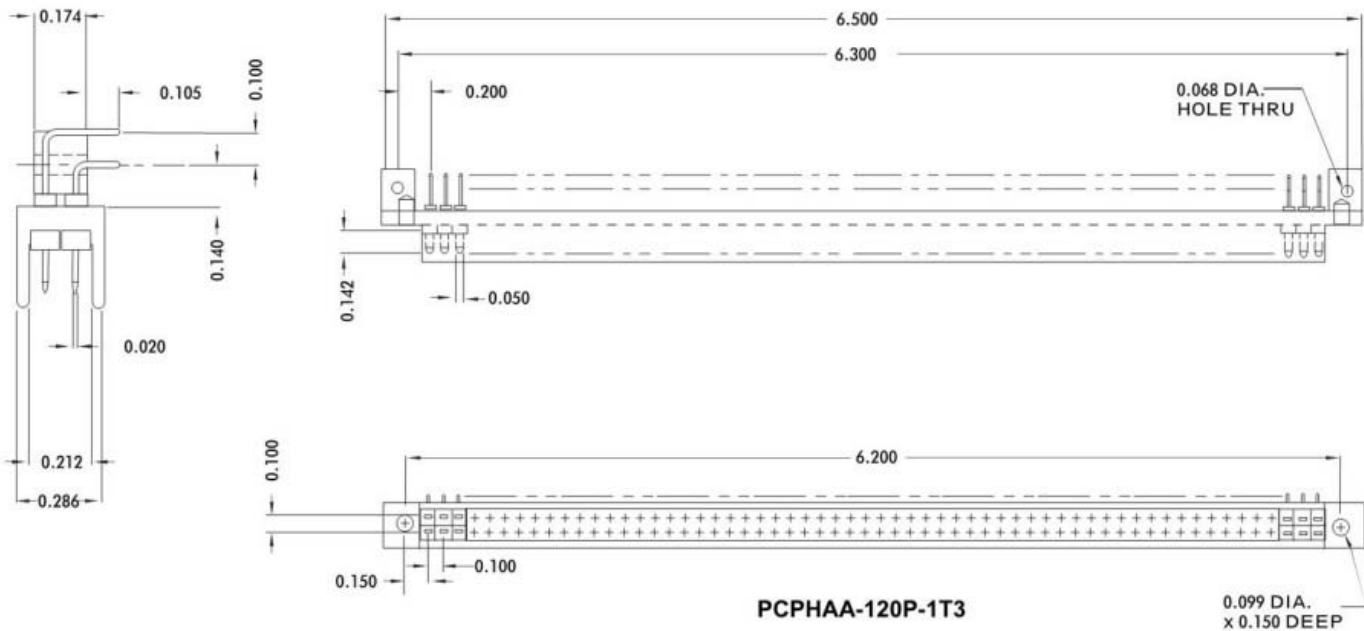
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 45

Questions? Contact Armel Electronics at: 1.800.840.0666

PCPHAA SERIES



BLADE CONTACTS



SPECIFICATIONS

Current Rating	3 Amperes
Dielectric Withstanding Voltage:	
Contact to Contact	
Sea Level	1000 Volts
70,000 Feet	375 Volts

CONTACTS:

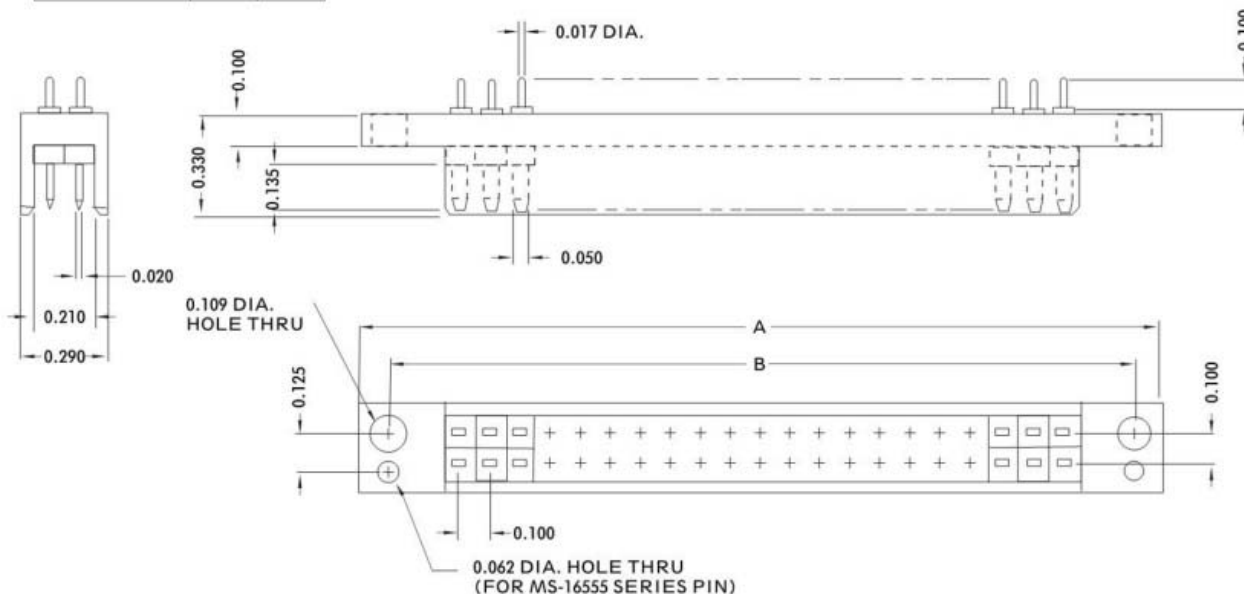
Contact Material	Brass per QQ-B-613, 1/2 Hard, Comp 2.
Contact Insulators	Nylon 6-6, per MIL-M-20693
Shroud Material	Aluminum, per QQ-A-200, Alloy 6063-T6
Contact Finish	Gold Plated per MIL-G-45204, Type II, Class 1, over Gold Plate per MIL-G-45204, Type I, Class 1, over Nickel Plate per QQ-N-290, Type VII, Class 1 (OTHER PLATINGS AVAILABLE UPON REQUEST)
Shroud Finish	Gold Chromate Conversion per MIL-C-5541



PCPHW SERIES



PART NO.	A	B
PCPHW-32P-1T3	2.150	1.970
PCPHW-42P-1T3	2.650	2.470



SPECIFICATIONS

Current Rating 3 Amperes
 Dielectric Withstanding Voltage:
 Contact to Contact
 Sea Level 1000 Volts
 70,000 Feet 375 Volts

CONTACTS:
 Contact Material Brass per QQ-B-613, 1/2 Hard, Comp 2.
 Contact Insulators Nylon 6-6, per MIL-M-20693
 Shroud Material Aluminum, per QQ-A-200, Alloy 6061-T6
 Contact Finish Gold Plated per MIL-G-45204, Type II, Class 1,
 over Nickel Plate per QQ-N-290, Type VII, Class 1
 (OTHER PLATINGS AVAILABLE UPON REQUEST)
 Shroud Finish Anodized per MIL-A-8625, Type II, Class 2, Color Black

Questions? Contact Armel Electronics at: 1.800.840.0666

printed circuit connectors

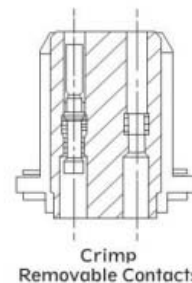
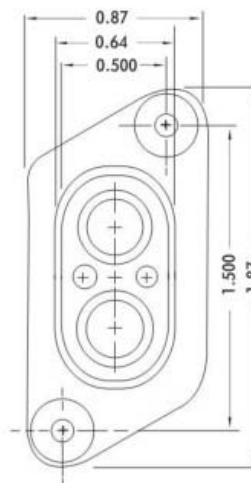
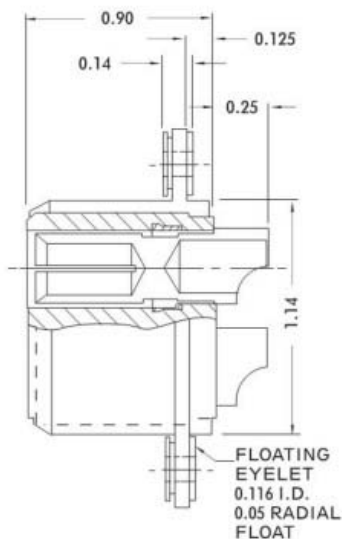
54



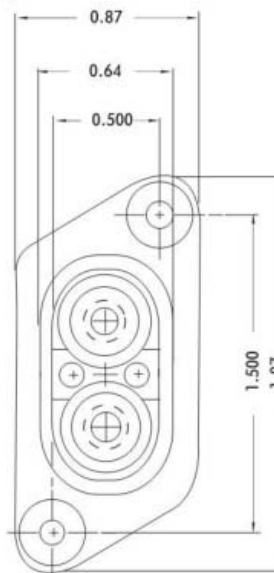
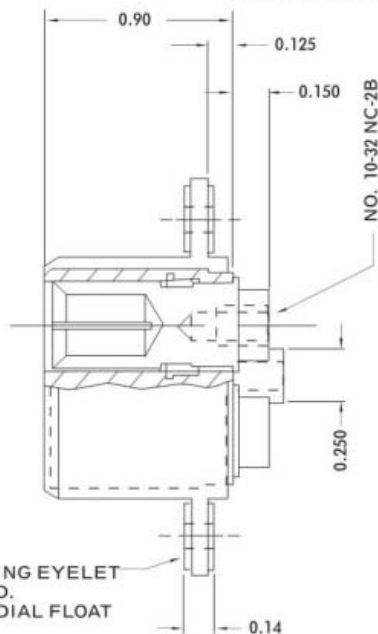
HA 2 SERIES



HA-2SCK-2SH-1L2V2



HA-2SCKD-9-2SH-1L2V2

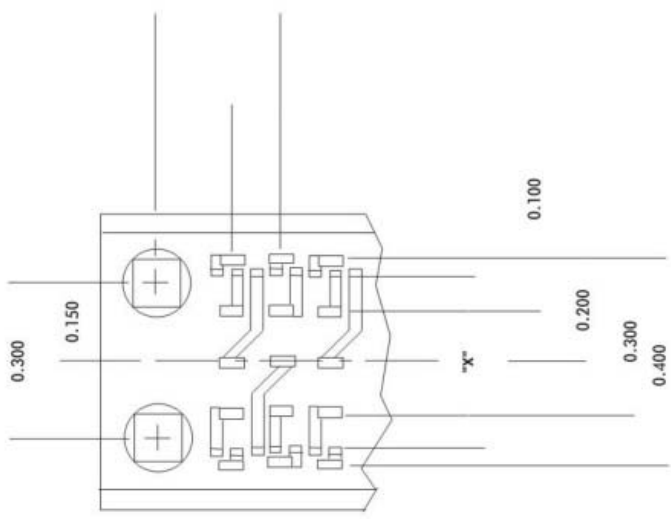
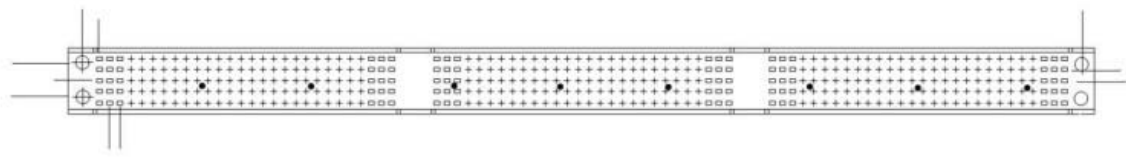
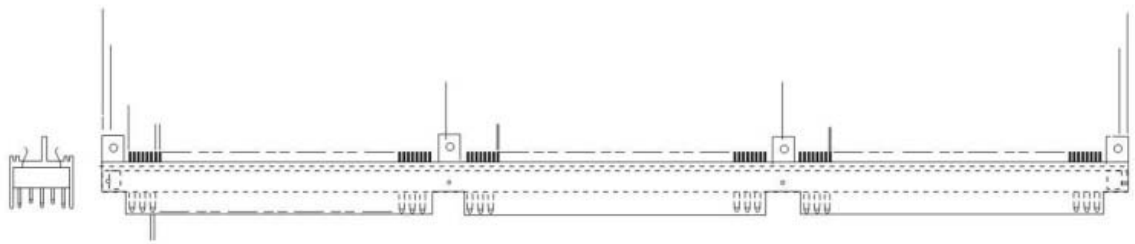
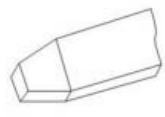


FOR TOOLS AND ACCESSORIES SEE PAGE 61
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 59

Questions? Contact Armel Electronics at: 1.800.840.0666

printed circuit connectors

PCPHP, PCPHR & PCPHAE 400 & 500 SERIES

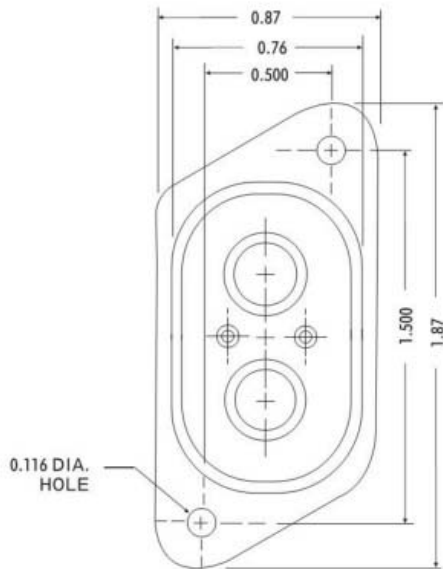


- PCPHAE-420P-3 L2FT3
- Contact Plating
 - Contact Tails Hot Solder Dipped
 - Insulation Material
 - Contact Style & Spacing
 - Pin Contact
 - Number of Contacts
 - Shroud Style

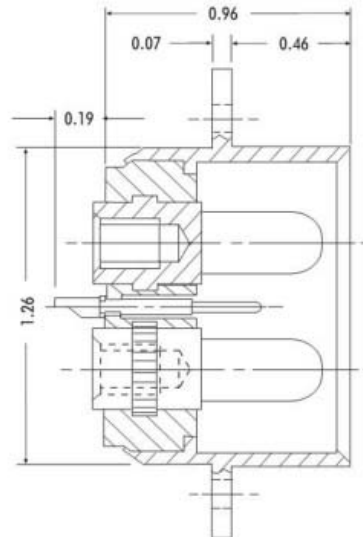
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 47

Questions? Contact Armel Electronics at: 1.800.840.0666

HA 2 SERIES



HA-2P-4PH-1L2V2



SPECIFICATIONS

Large Contacts

Current Rating	75 Amperes and/or 100 Amperes
Contact Size	0.250 Inch, No. 4; 0.290 Inch No.2
Material	Beryllium Copper, per QQ-C-530
Pin Contact	Molded-In, No. 10-32 thd. 0.250 min.full
Socket Contact	Removable, Poke Home, Solder-Cup
Removing Tool	No. T9090-1

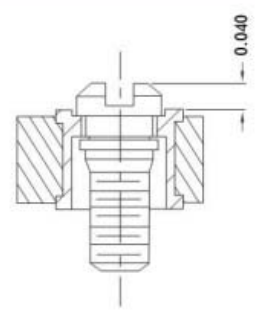
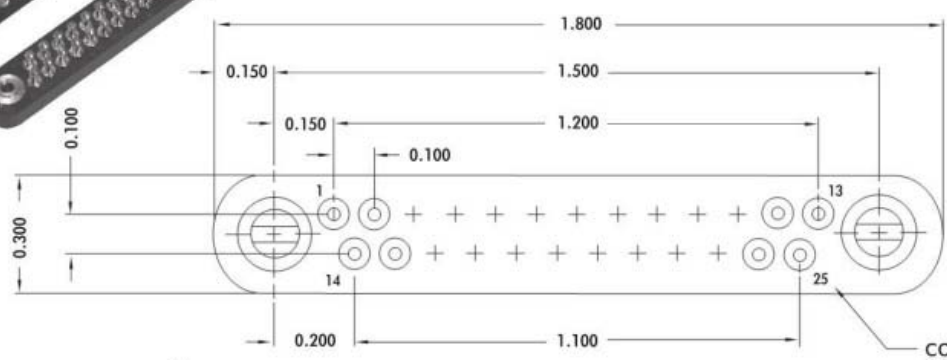
Small Contacts

Current Rating	7.5 Amperes
Contact Size	0.040 Inch
Pin Contact	Solder-Cup, Brass per QQ-B-626
Socket Contact	Crimp Removable, Phosphor Bronze per QQ-B-750
Closed Entry Sleeve	Brass, per QQ-B-626
Retaining Clip	Stainless Steel, Passivated per QQ-S-766
Terminal Accommodation	One no. 18, One no. 20, One or Two no. 22, Two or Three no. 24, AWG Wire
Removing Tool	No. T9066-1
Crimping Tool	No. MS 3191A
Positioner	No. 612192

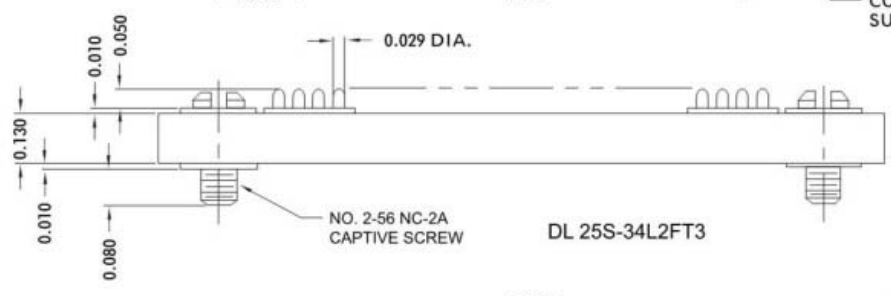
Contact Plating	Gold Plated (0.000050 inch) per MIL-G-45204, Type II, Class I, Grade B over Copper Plate per MIL-C-14550, Class 2 (OTHER PLATINGS ALSO AVAILABLE UPON REQUEST)
Shell Material	Aluminum per QQ-A-200, Anodized Color Gold
Floating Eyelets	Stainless Steel, Passivated
Insulation Material	Diallyl Phthalate per MIL-M-14, Type SDG-F Color Black



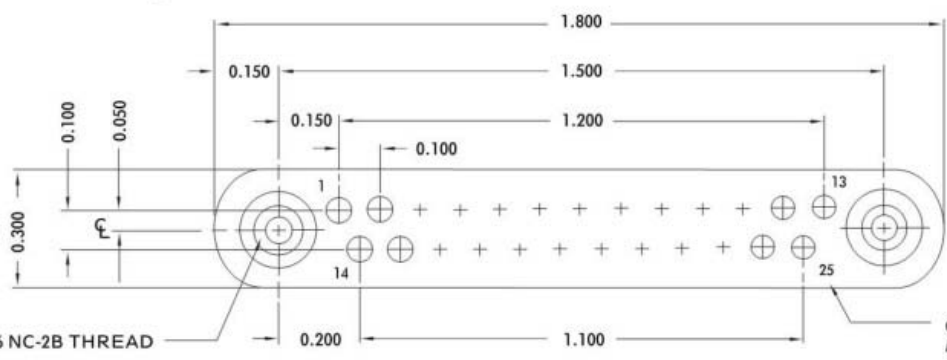
DL 25 SERIES



CONTACT I.D. ON MATING SURFACE ONLY

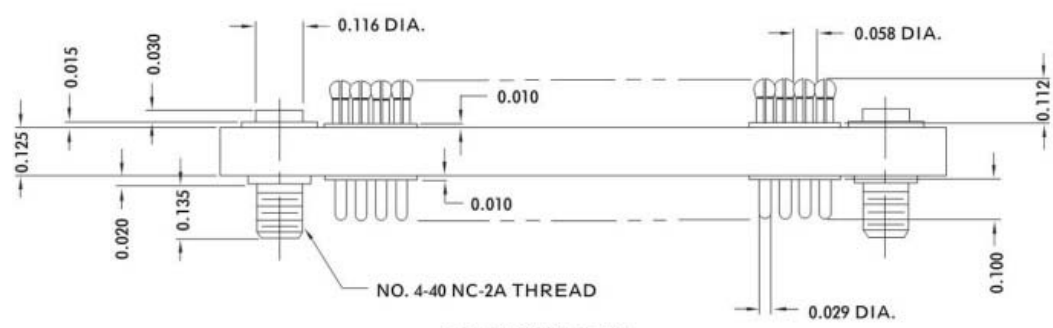


DL 25S-34L2FT3



CONTACT I.D. ON MATING SURFACE ONLY

NO. 2-56 NC-2B THREAD

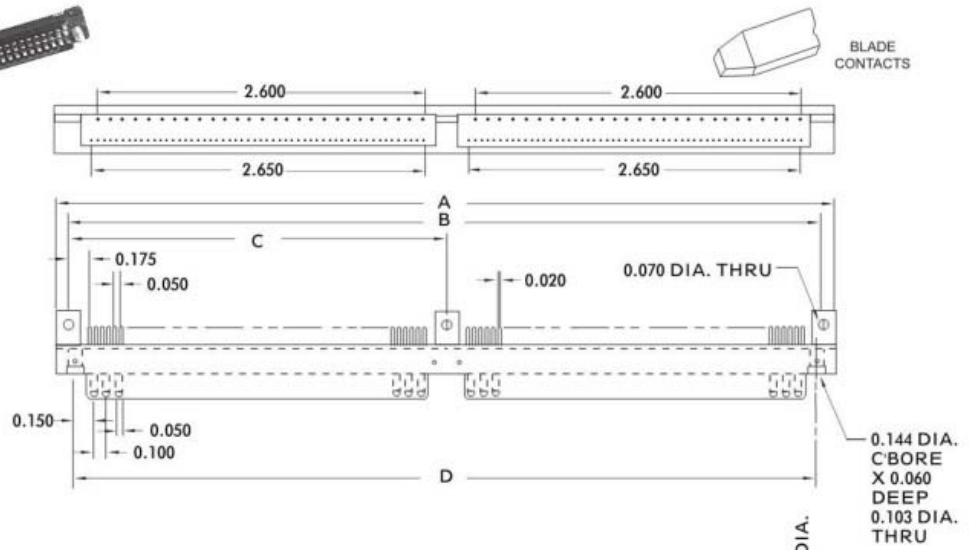


DL 25P-22L2FT3

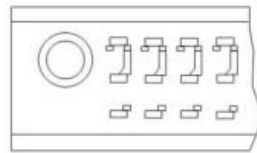
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 63

Questions? Contact Armel Electronics at: 1.800.840.0666

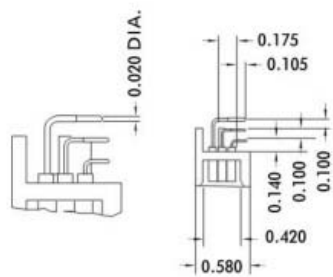
PCPHU- P & S SERIES



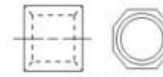
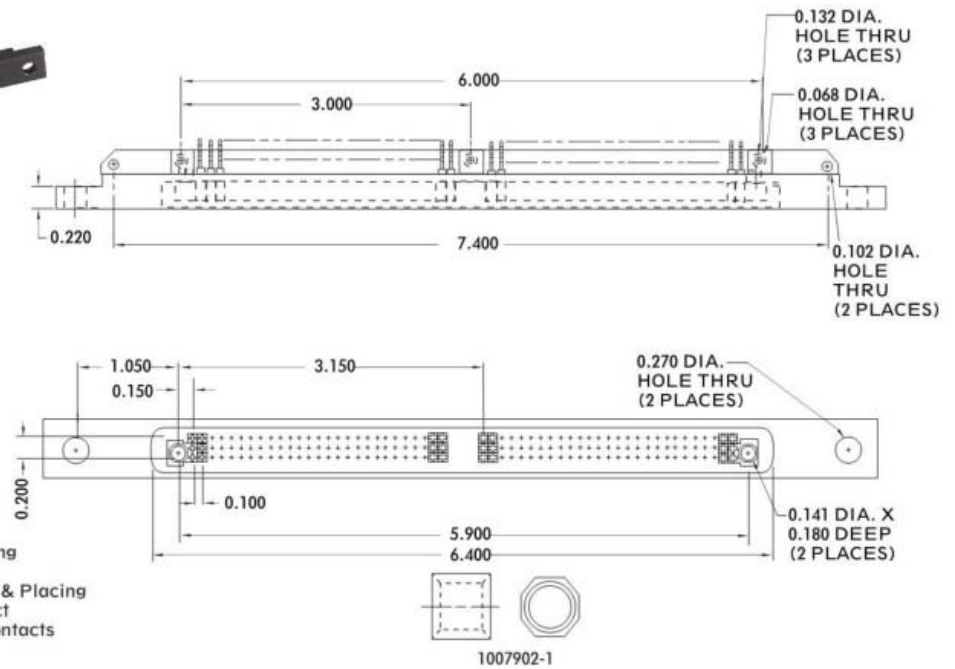
- PCPHU
- 162 P-1
- L2T3
- Contact Plating
- Insulation Material
- Contact Style & Placing
- Pin Contact
- Number of Contacts
- Shroud Style



PART NO.	A	B
1007903-1	0.520	0.322



- PCPHU
- 162S-8
- T7
- Contact Plating
- Contact Style & Placing
- Socket Contact
- Number of Contacts
- Shroud Style

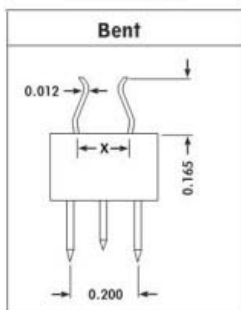


FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 58

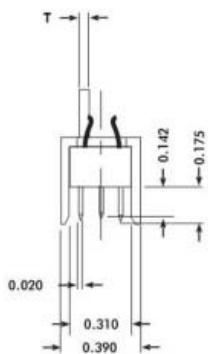


PCPHU- P & S SERIES

CONTACTS



T	PART NO.	X	A	B	C	D
0.050	PCPHU-162P-1T7	0.154	6.200	6.000	3.000	5.90



SPECIFICATIONS

Current Rating 3 Amperes
 Contact to Contact
 Sea Level 1000 Volts
 70,000 Feet. 375 Volts

CONTACTS:

Socket Contact Material. Beryllium Copper per QQ-B-530, Comp A. Contacts are Low Force Insertion & Withdrawal per MIL-C-28754
 Pin Contact Material. Brass per QQ-B-613, 1/2 Hard, Composition 2
 Contact Insulators. Nylon per MIL-M-20693
 Shroud Material. Aluminum, per QQ-A-200, Alloy 6061-T6
 Socket Contact Finish. Gold Plated per MIL-G-45204, Type II, Class 1, over Gold Plate per MIL-G-45204, Type I, Class 1, over Nickel Plate per QQ-N-290, Type VII, Class 1
 Pin Contact Finish. Gold Plate per MIL-G-45204, Type II, Class 1 Over Nickel Plate per QQ-N-290, Type VII, Class 1 (Low Stress Nickel)
 (OTHER PLATINGS AVAILABLE UPON REQUEST)
 Shroud Finish. Anodized per MIL-A-8625, Type II, Class 2, Color Black

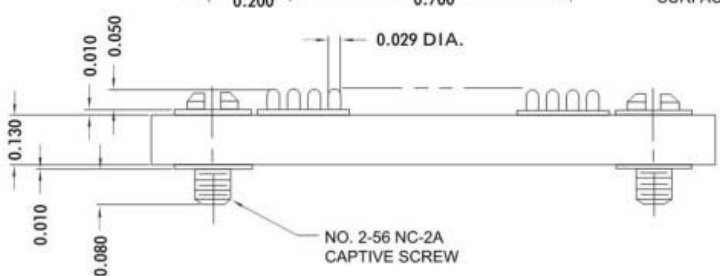
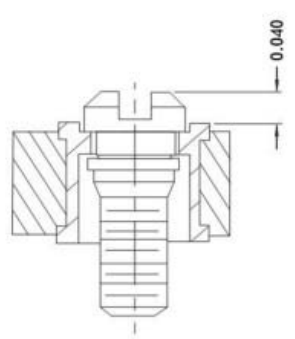
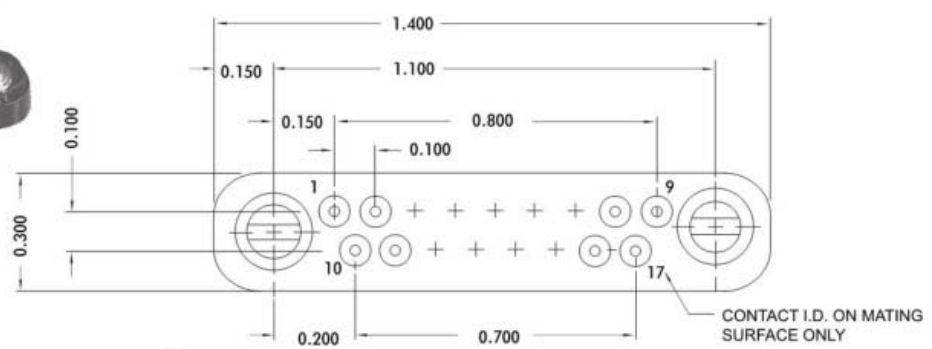
Questions? Contact Armel Electronics at: 1.800.840.0666

printed circuit connectors

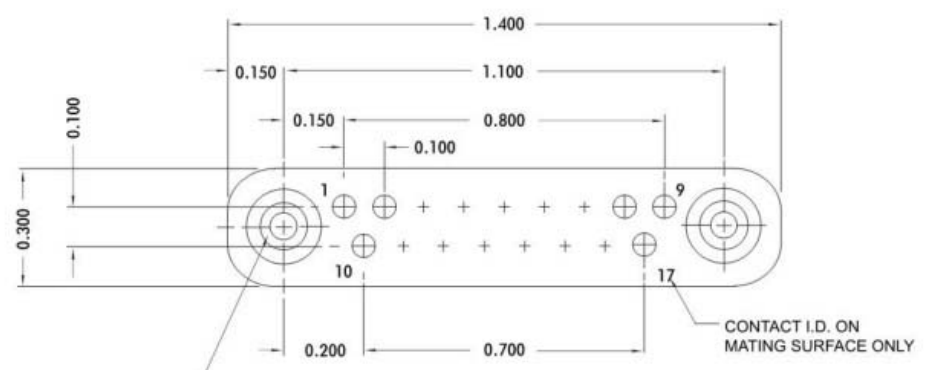
58



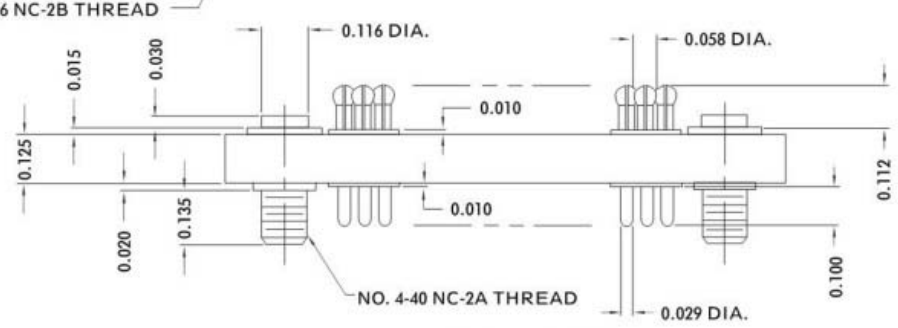
DL 17 SERIES



DL 17S-34 L2FT3



NO. 2-56 NC-2B THREAD

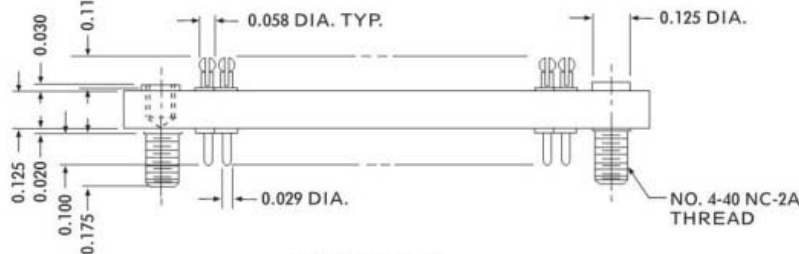
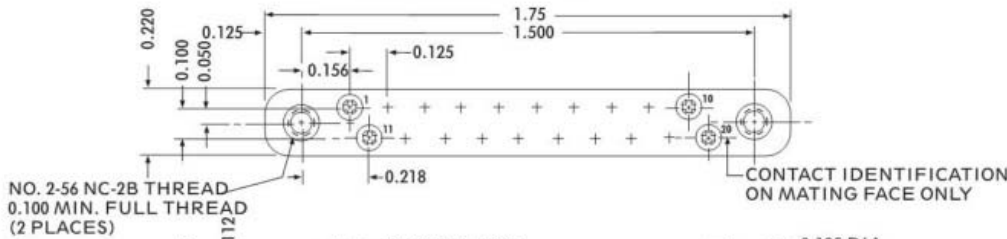
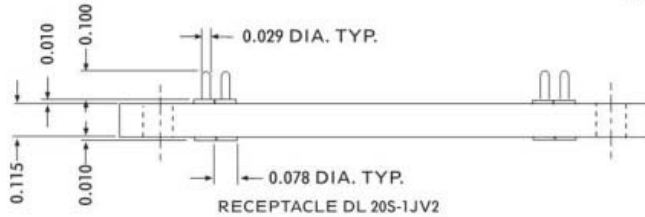
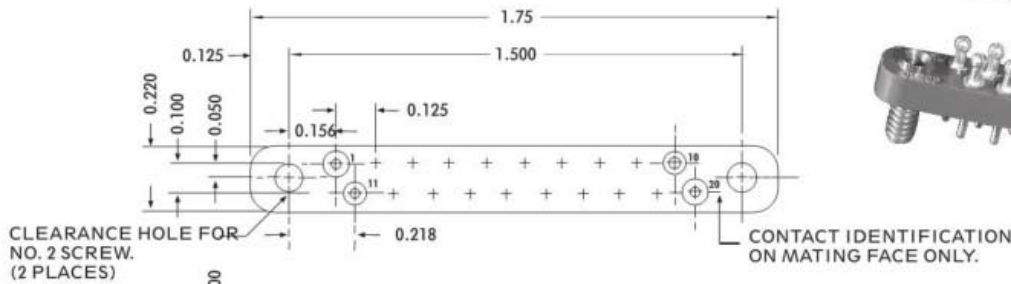
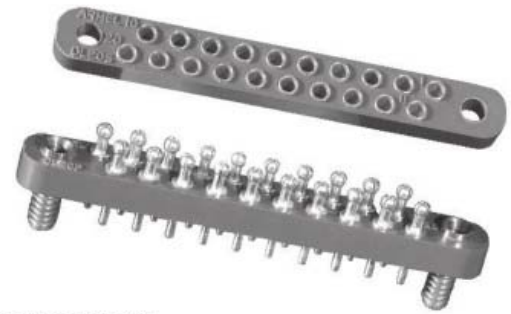


DL 17P-22 L2FT3

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 63

Questions? Contact Armel Electronics at: 1.800.840.0666

DL 20 SERIES

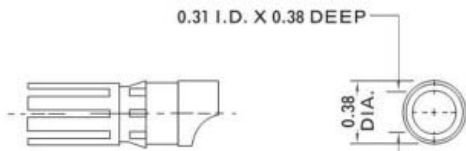


PLUG DL 20P-1JV2

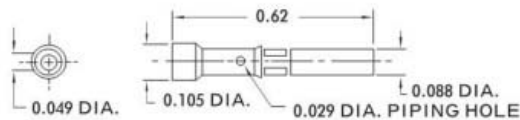
SPECIFICATIONS

Contact Rating	
Socket Contacts	Brass, 1/2 Hard per QQ-B-626
Pin Contacts	Beryllium Copper, per QQ-C-530, Condition A
Contact Finish	
	Gold Plated (0.00005 Inch) per MIL-G-45204, Type II, Class I over Copper Plate
Insulation Material	
	Diallyl Phthalate, Glass Filled per MIL-M-14, Type GDI-30F
Mounting Hardware	
	Stainless Steel, Passivated per QQ-P-35
Retaining Rings (DL74)	
	Beryllium Copper, Cadmium Plated per QQ-P-416, Type II, Class 2

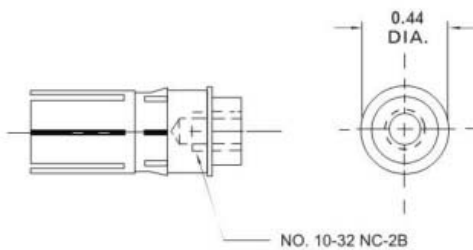
HA 2 SERIES



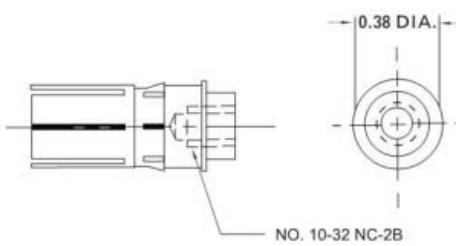
CONTACT NO. 1005841-1V2



CONTACT NO. 1007003-1V2



CONTACT NO. 1005982-1V2 OR T3
(100 AMP CONTACT)



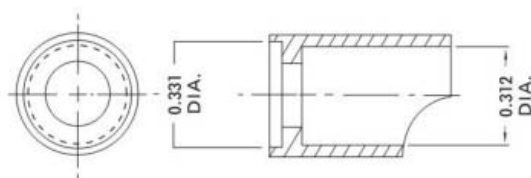
CONTACT NO. 1005881-1V2 OR T3
(75 AMP CONTACT)



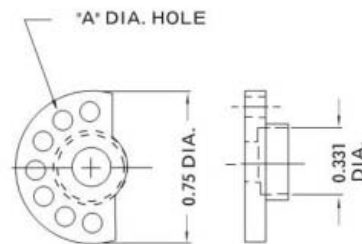
Removing Tool
No. T9066-1



Removing Tool
No. T9090-1



ADAPTER TO BE USED WITH CONTACT NO. 1005881-1V2.



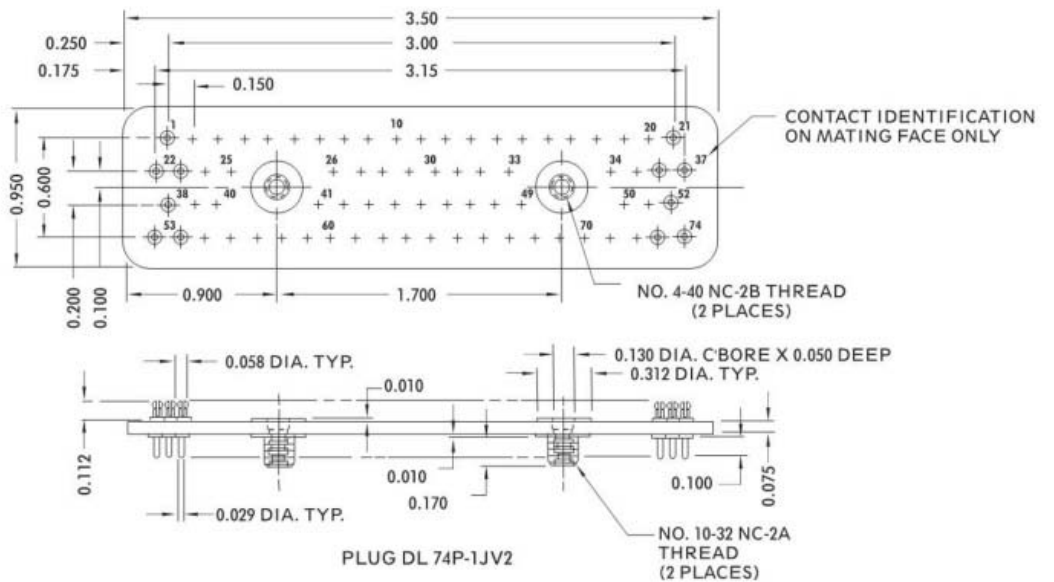
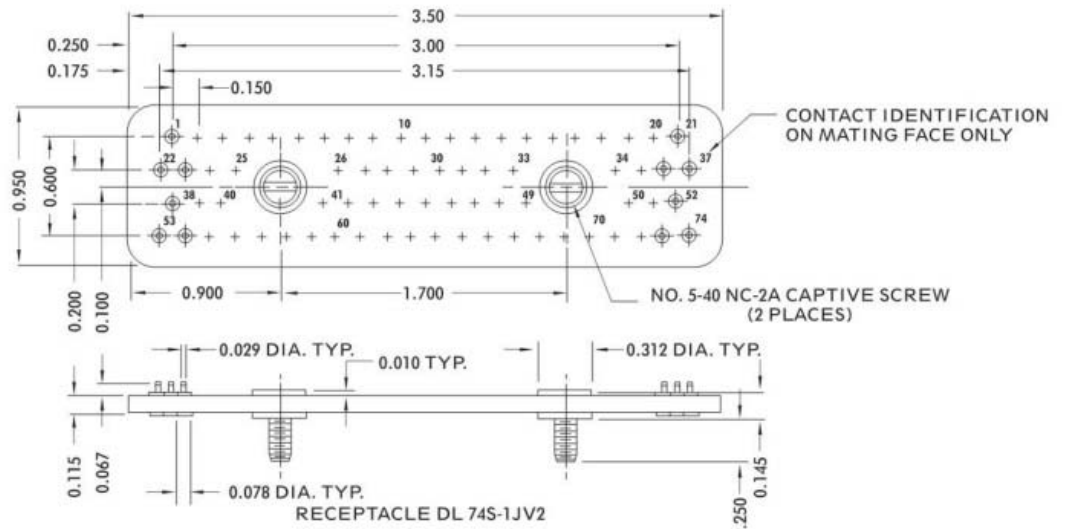
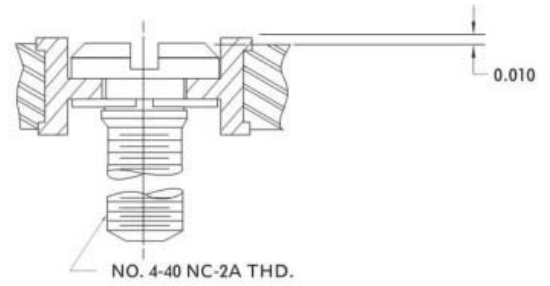
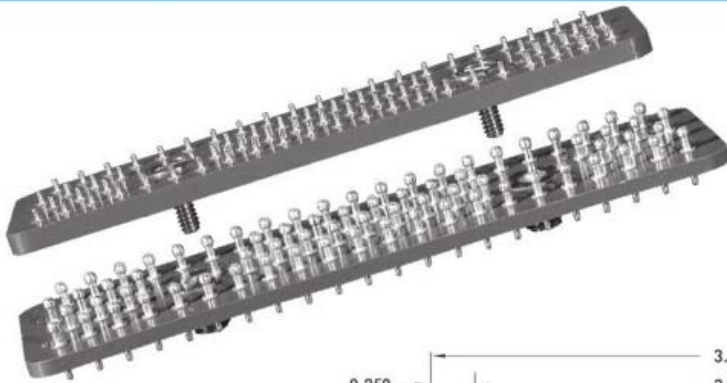
CAN BE MOUNTED TO CONTACT NO.
1005881-1V2 OR 1005982-1V2
FOR MULTIPLE WIRE CONNECTIONS

PART NOS.	"A"	AMOUNT OF HOLES
1005882V2	0.098	7
1005887-1V2	0.136	3
1005888-1V2	0.136	5

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 59



DL 74 SERIES



FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 63

Questions? Contact Armel Electronics at: 1.800.840.0666

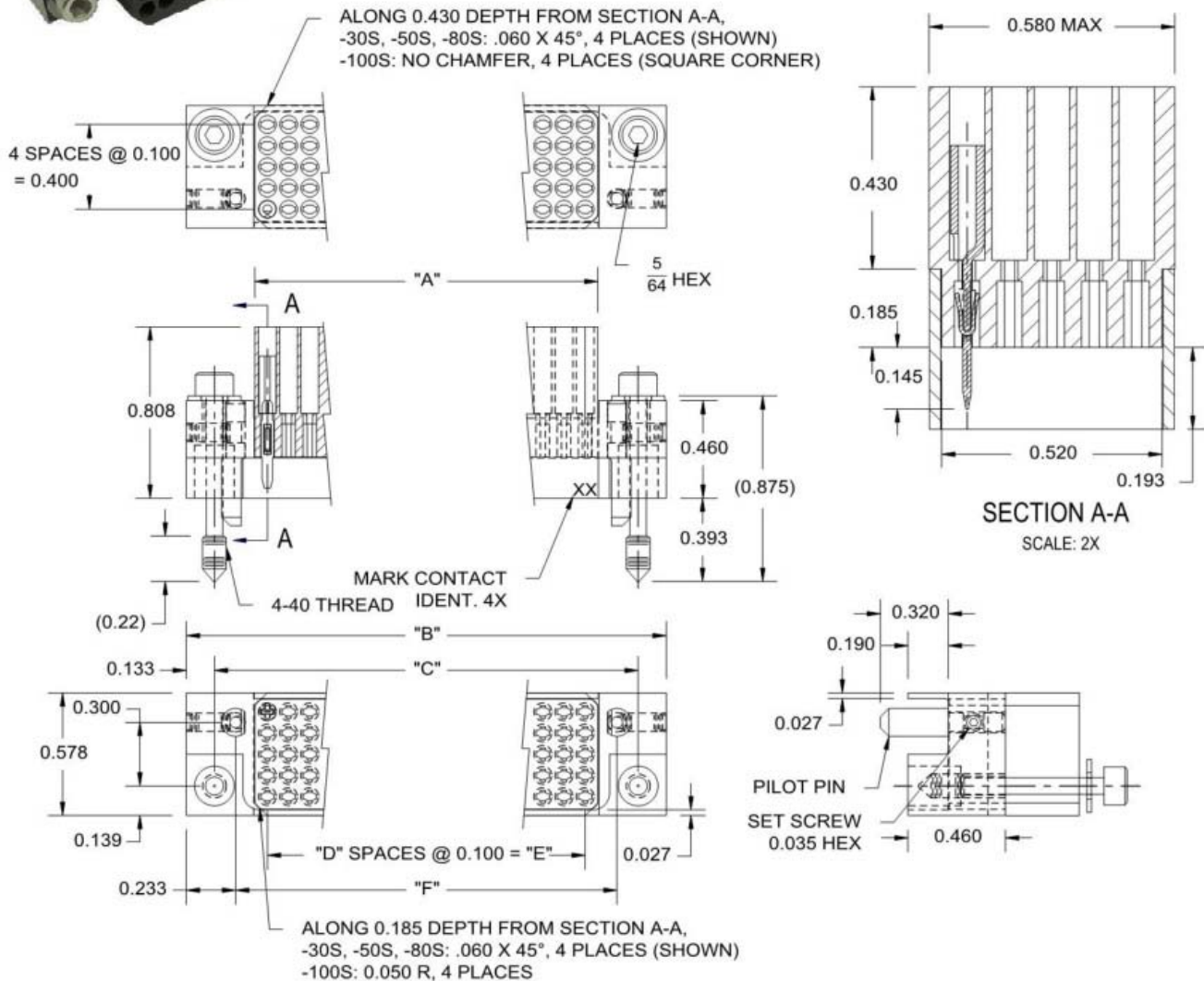
printed circuit connectors

PCPHS SERIES



CONNECTOR MATES TO NAFI STYLE BACKPLANE PER MIL-C-28859 FEATURING CRIMP, REMOVABLE CONTACTS, ASSEMBLY MEETS MIL-C-28754; 30 (-30S-), 50 (-50S-), 80 (-80s-), OR 100 (-100S-) CONTACTS PROVIDED

DIMENSIONS



PART NO.	"A"	"B"	"C"	"D"	"E"	"F"
PCPHS-30S-1L2T3	0.620	1.265	1.000	5	0.500	0.800
PCPHS-50S-1L2T3	1.020	1.665	1.400	9	0.900	1.200
PCPHS-80S-1L2T3	1.620	2.265	2.000	15	1.500	1.800
PCPHS-100S-1L2T3	2.020	2.665	2.400	19	1.900	2.200

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE CATALOG PAGE 72



PCPHS SERIES



SPECIFICATIONS

ELECTRICAL

Current Rating.....	3.0 Amperes For 20-24 AWG Wire
Dielectric Withstanding Voltage.....	
Contact to Contact	
Sea Level.....	1500 VRMS @ 60 Hz
70,000 Feet.....	350 VRMS @ 60 Hz

MECHANICAL

Wiring Terminal Accommodation.....	20-24 AWG Wire
Contact Material & Finish.....	Per MIL-C-28754/15
Housing Material & Finish.....	Aluminum Type 6061 T6511 Per AMS QQ-A-200/8, Anodize Per MIL-A-8625 Type II, Class 2, Color: Black
Mounting Hardware Material & Finish....	CRES, Class 304, COND A Per AMS QQ-S-763, Passivated Per AMS2700
Guide/Pilot Pins Material & Finish.....	CRES, Class 303, COND A Per ASTM A582, Passivated Per AMS2700
Insulating Material.....	Glass Filled Diallyl Phthalate Per MIL-M-14/ASTM D 5948-96, Type GDI-30F, Color: Black
Contact Removal Tool.....	Armel Electronics Inc. PN T8050-1

Questions? Contact Armel Electronics at: 1.800.840.0666

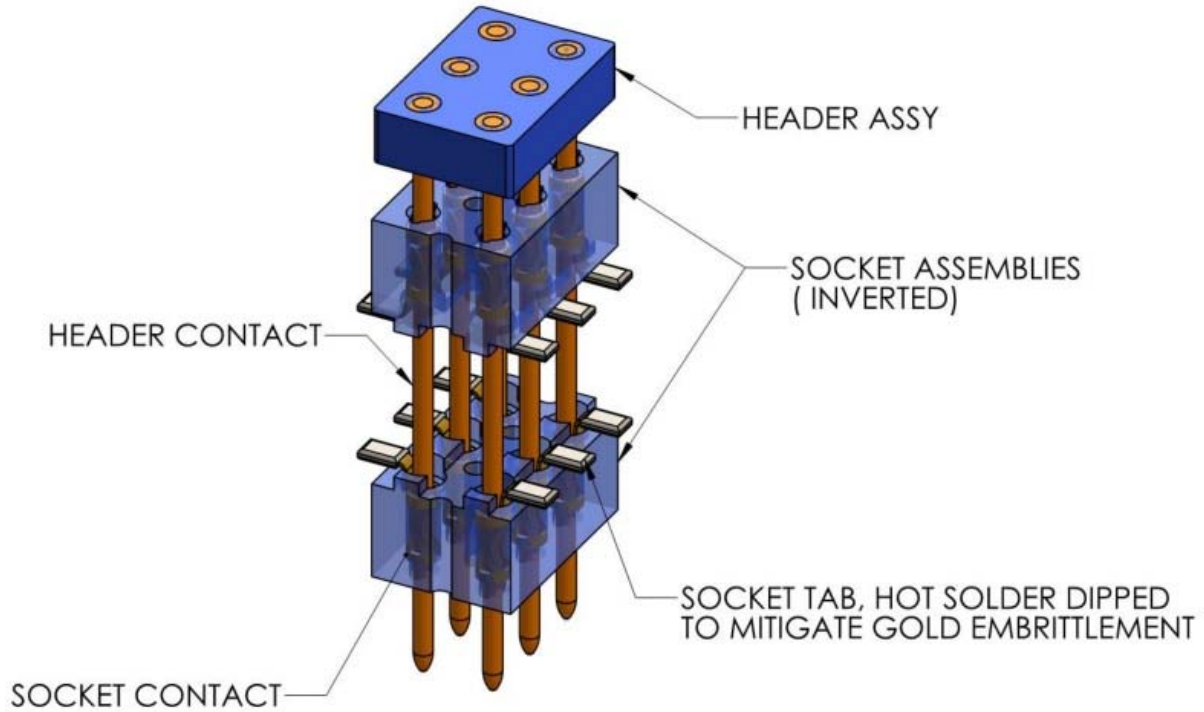
printed circuit connectors

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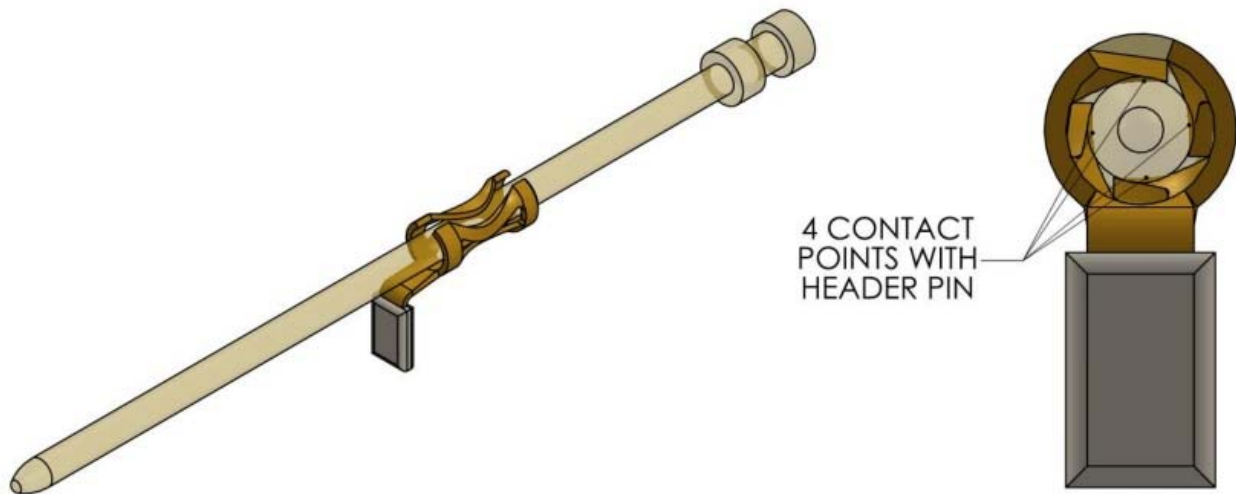


M2 SERIES

6 POSITION INTERCONNECTION ASSY (SOCKET INSULATORS SHOWN TRANSPARENT)



SINGLE SOCKET AND HEADER CONTACT ASSY (HEADER CONTACT SHOWN TRANSPARENT)



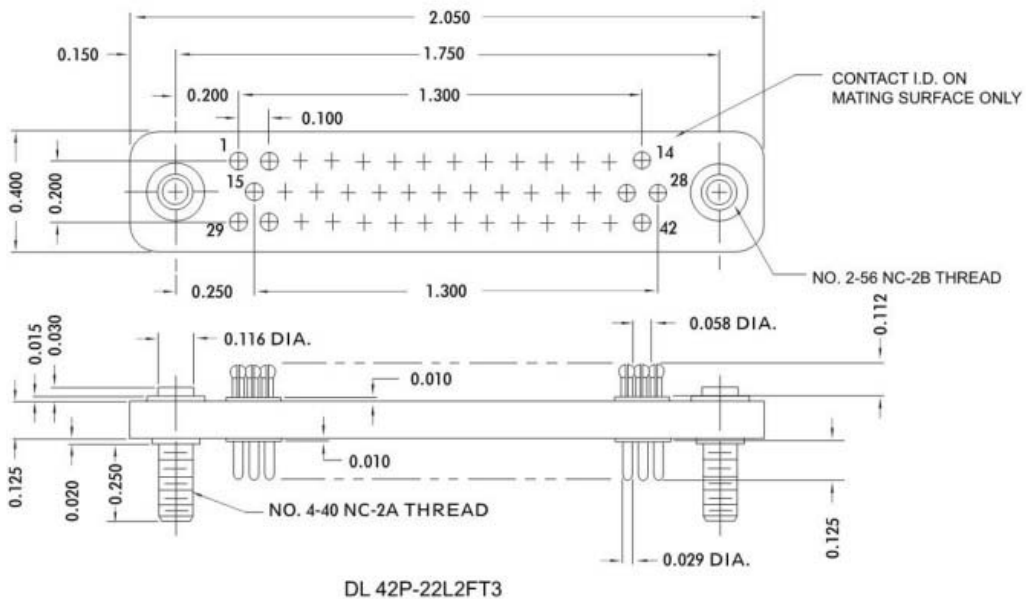
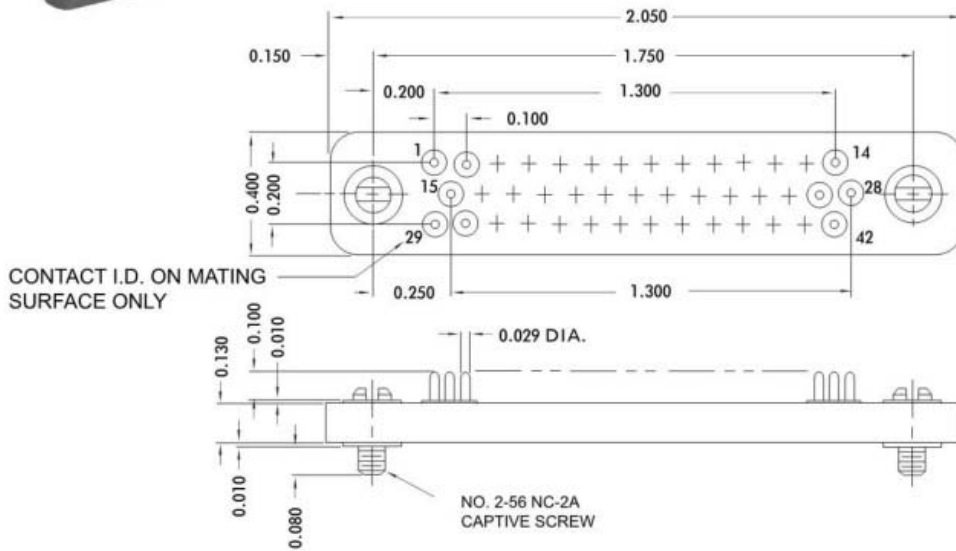
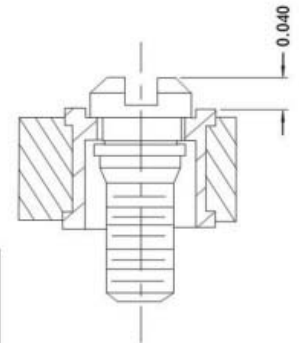
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE CATALOG PAGES 75 & 77

Questions? Contact Armel Electronics at: 1.800.840.0666

printed circuit connectors

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DL 42 SERIES

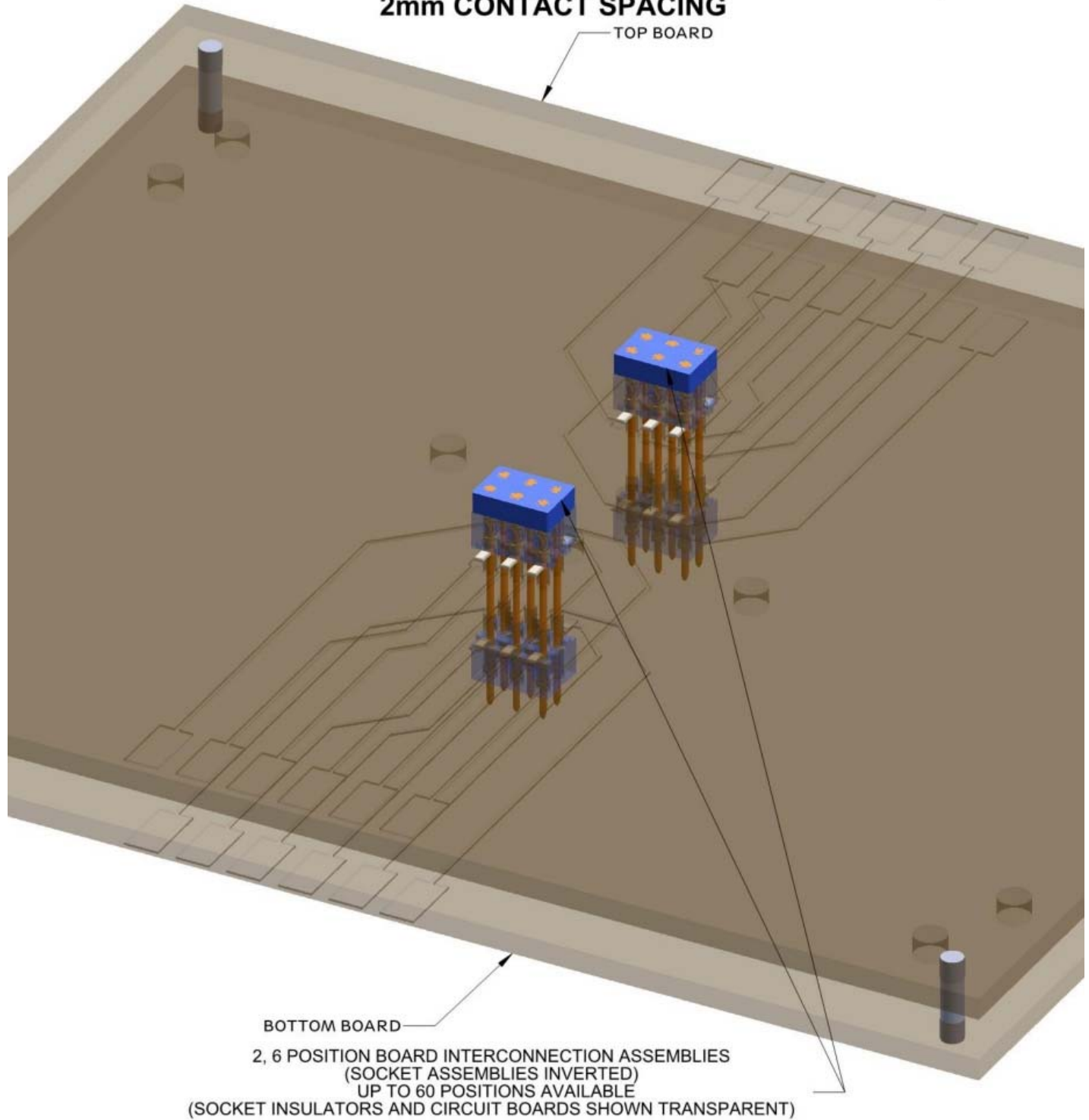


FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 63

M2 SERIES



PARALLEL BOARD INTERCONNECTS, SURFACE MOUNT, 2mm CONTACT SPACING



FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE CATALOG PAGES 75 & 77

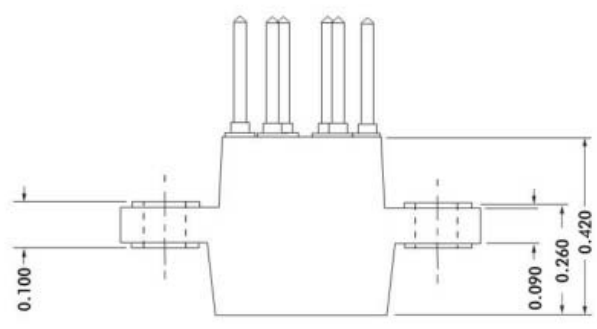
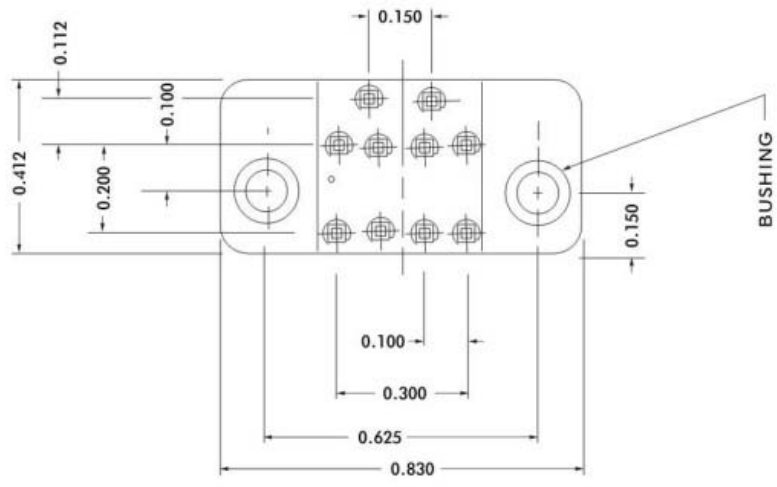
73

printed circuit connectors

Questions? Contact Armel Electronics at: 1.800.840.0666



HAND SERIES



ELECTRICAL

Contact Rating 3 Amperes
 Withstanding Voltage:
 Contact to Contact Sea Level. . . 1000 VRMS Minimum
 Contact to Ground Sea Level. . . 1800 VRMS Minimum
 Contact to Contact 70,000 Ft. . . 300 VRMS Minimum
 Contact to Ground 70,000 Ft. . . 450 VRMS Minimum

MECHANICAL

Creepage Between Contacts 0.02 Minimum
 Air Space Between Contacts 0.02 Minimum
 Contacts to Accept 0.020 ± 0.001 DIA. Pins

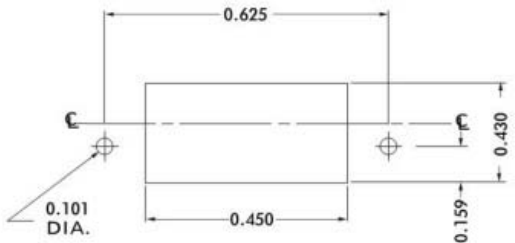
Contacts:
 Heat Treated Beryllium Copper
 Gold Plated over Copper or Nickel Plate

Mounting Hardware:
 Threaded or Clearance Hole Mounting Bushings

Insulation Material:
 Choice of "MIL Approved" Thermosetting
 Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C
 Weight of Socket with Mountings: 0.15 oz.

CONTACT DATA	CHASSIS MOUNTING DATA		
	X-DIMENSION	CLEARANCE HOLE FOR NO.2 SCREW	NO.2 -56 THREAD
OPEN ENTRY	SOLDER CUP		
	EYELET		
	STRAIGHT		
CLOSED ENTRY	WIRE WRAP	.24	HAND-13KLT3 HAND-518KLT3
	EYELET		
	STRAIGHT		



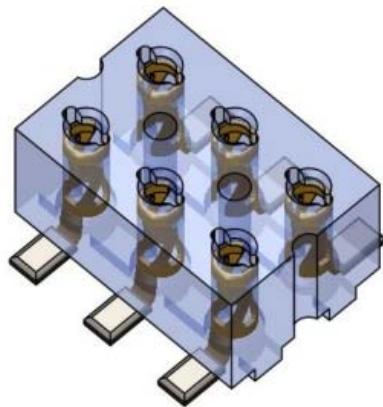
RECOMMENDED CHASSIS CUT-OUT

Questions? Contact Armel Electronics at: 1.800.840.0666

M2 SERIES



6 POSITION SOCKET ASSY (SOCKET INSULATOR SHOWN TRANSPARENT)



ACTUAL SIZE (SCALE 1:1)

SPECIFICATIONS

ELECTRICAL

Current Rating.....2 amperes @ 80 °C Ambient
 Dielectric Withstanding Voltage.....
 Contact to Contact
 Sea Level.....1000 VRMS @ 60 Hz

MECHANICAL

Contact Material.....Beryllium Copper, C17200, TD02 PER
 ASTM B194, after stamping heat treated @
 600 °F for max strength
 Contact Finish.....(0.000025 In. Min. Thk.) Cobalt Gold Plate,
 Grade C over (0.000025 In. Min. Thk.) Gold
 Plate (24 Carat) per MIL-G-45204, Type I,
 Grade A over (0.0001 In. Min. Thk.) Nickel
 Plate per QQ-N-290, Type VII, Class 1 (Low
 Stress Nickel) over (0.0001 In. Min. Thk.)
 Copper Plate Per MIL-C-14550, Class 4;
 Hot Solder Dipped (0.002-0.004 In. Thk.)
 60/40 Tin/Lead per J-STD-006
 Insulation Material.....Short Glass Fiber Filled Diallyl Phthalate per
 ASTM D5948, Type SDG-F, Color: Blue
 Alignment Pin Material.....Nylon 6/6



RELAY SOCKET INDEX

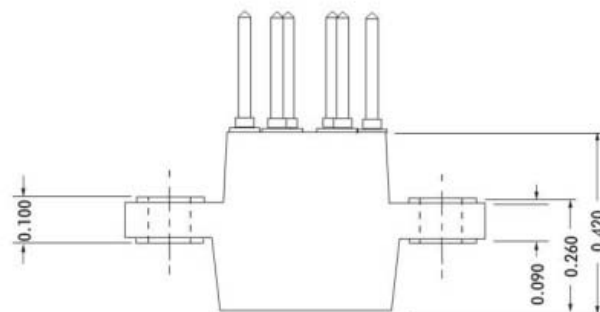
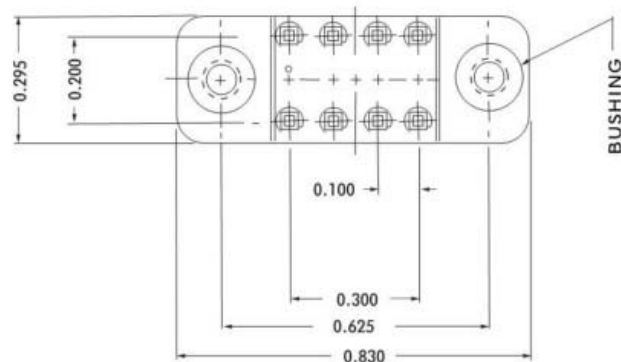
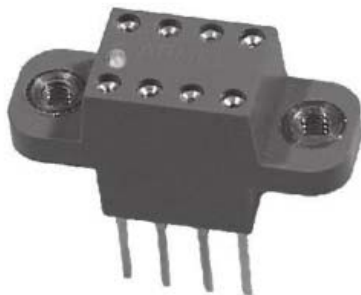
ARMEL RELAY SOCKETS are designed to attain high reliability as a primary objective based on the parameters delineated in the MIL-S-12883 Specification. This design objective is accomplished and maintained by the stringent quality control procedures maintained by Armel Electronics, Inc.

When mated with relays produced by some of the leading relay manufacturers, these sockets attain a confidence level consistent with the most exacting specifications and systems requirements.

These sockets are available with a choice of thermo-setting insulations in which free-floating, precision-maintained contacts are securely contained. Variations in contact materials and platings, in addition to the mounting hardware materials and finishes, are available for special applications.

RELAY STYLE	SOCKET STYLE	PAGE	RELAY STYLE	SOCKET STYLE	PAGE	
ALPHA NUMERICAL DISPLAY SOCKETS	HAN	1	MINIATURE 2PDT	HRE	25	
	HAND	2		HRG	26	
CRYSTAL CAN 2PDT	HRK	3		HRW	27	
	HRKA	4		HRD	28	
	HRKB	5		HRFA	29	
	HRR	6		HRFB	30	
	HRC	7		HF	31	
	HRCY	8		HR	32	
	HRCZ	9		4PDT	HRB	33
	HRCD	10			HF	31
	HRCW	11			HR	32
	HRUA	12			HRGD	34
	CRIMP REMOVABLE TYPE CONTACTS	HRT		13	6PDT	HF	31
HRTA		14		HR		32
4PDT	HRTS	15		HRSA		36
	HRTS-CK	16		HRSB		37
CRIMP REMOVABLE TYPE CONTACTS 4 PDT	HRCC	17	HRSE	38		
	HRCC-CK	18	HRSS	39		
	HRCM	19	HRSS	40		
	HRCE	20	HRL	41		
6PDT	HRCP	21	MINIATURE POWER 4PDT	HRH		42
	HRCK	22		HRHA		43
CRYSTAL CAN POWER 2PDT	HRCL	23		HRHF	44	
	HRCF	24		HRP	45	
				HRYP	46	
				GENERAL INFORMATION	INSULATION MATERIAL	47

HAN SERIES



CONTACT DATA		CHASSIS MOUNTING DATA	
		X-DIMENSION	CLEARANCE HOLE FOR NO.2 SCREW	NO.2 -56 THREAD
OPEN ENTRY	SOLDER CUP		
	EYELET		
	STRAIGHT		
CLOSED ENTRY	WIRE WRAP	0.025 SQ. X	.24 HAN-13KLT3 HAN-518KLT3
	EYELET		
	EYELET		
	STRAIGHT		

ELECTRICAL

Contact Rating 3 Amperes
 Withstanding Voltage:

- Contact to Contact Sea Level. 1000 VRMS Minimum
- Contact to Ground Sea Level. 1800 VRMS Minimum
- Contact to Contact 70,000 Ft. 300 VRMS Minimum
- Contact to Ground 70,000 Ft. 450 VRMS Minimum

MECHANICAL

Creepage Between Contacts 0.02 Minimum
 Air Space Between Contacts 0.02 Minimum
 Contacts to Accept 0.020 ± 0.001 DIA. Pins

Contacts:

- Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

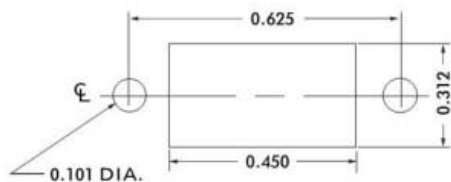
Mounting Hardware:

- Threaded or Clearance Hole Mounting Bushings

Insulation Material:

- Choice of "MIL Approved" Thermosetting Insulations (See Page 45)

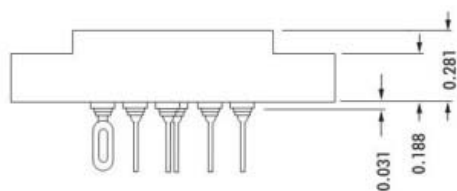
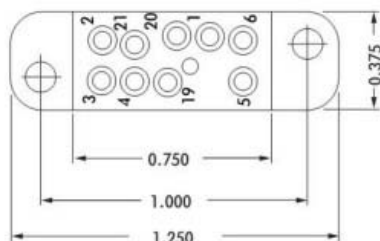
Temperature Ratings: -65°C to +125°C
 Weight of Socket with Mountings: 0.10 oz.



RECOMMENDED CHASSIS CUT-OUT



HRKA SERIES



ELECTRICAL

- Wire Size:
- Solder Cup Type.....One #20 AWG
 - Eyelet Type.....Two #20 AWG or Three #22 AWG
- Current Rating.....3 Amperes
- Withstanding Voltage:
- Contact to Contact Sea Level.....1000 VRMS Minimum
 - Contact to Ground Sea Level.....1800 VRMS Minimum
 - Contact to Contact 70,000 Ft.....300 VRMS Minimum
 - Contact to Ground 70,000 Ft.....450 VRMS Minimum

MECHANICAL

- Creepage Between Contacts.....0.09 Minimum
- Air Space Between Contacts.....0.03 Minimum
- Contacts to Accept 0.030 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

- Special Studs, Screws, Lockwashers, and Nuts

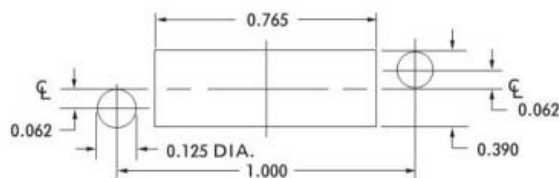
Insulation Material:

- Choice of **MIL Approved** Thermosetting Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C

Weight of Socket with Mountings: 0.24 oz.

CONTACT DATA	CHASSIS MOUNTING DATA			
	CHASSIS THICKNESS	X-DIMENSION	X	
			BELOW CHASSIS	ABOVE CHASSIS
SOLDER CUP	1/16 .17	HRKA - 1		HRKA - 2
	3/32 .14		HRKA - 31	HRKA - 32
EYELET	1/8 .12		HRKA - 41	HRKA - 42
	1/16 .17	HRKA - 5		HRKA - 6
	3/32 .14		HRKA - 35	HRKA - 36
STRAIGHT	1/8 .12		HRKA - 45	HRKA - 46
	1/16			HRKA - 4
	3/32			
	1/8			



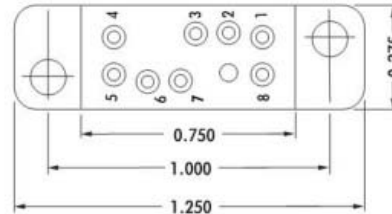
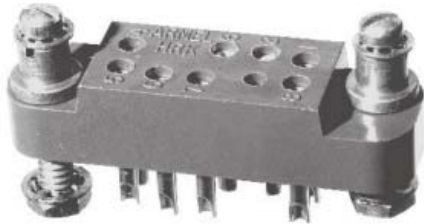
RECOMMENDED CHASSIS CUT-OUT

Questions? Contact Armel Electronics at: 1.800.840.0666

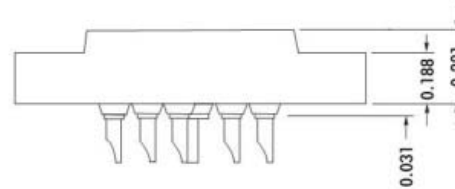
relay sockets

04

HRK SERIES



CONTACT DATA	CHASSIS MOUNTING DATA					
	CHASSIS THICKNESS	X-DIMENSION	BELOW CHASSIS	BELOW CHASSIS	ABOVE CHASSIS	
ELEMENTARY	SOLDER CUP	1/16	.17	HRK - 1		HRK - 2
		3/32	.14		HRK - 31	HRK - 32
		1/8	.12		HRK - 41	HRK - 42
	EYELET	1/16	.17	HRK - 5		HRK - 6
		3/32	.14		HRK - 35	HRK - 36
		1/8	.12		HRK - 45	HRK - 46
CLOSEMOUNTED	SOLDER CUP	1/16				HRK - 4
		3/32				HRK - 34
		1/8				
CLOSEMOUNTED	SOLDER CUP	1/16	.17	HRK - 1K		HRK - 2K
		3/32	.14		HRK - 31K	HRK - 32K
		1/8	.12		HRK - 41K	HRK - 42K
	EYELET	1/16	.17	HRK - 5K		HRK - 6K
		3/32	.14		HRK - 35K	HRK - 36K
		1/8	.12		HRK - 45K	HRK - 46K
CLOSEMOUNTED	STRAIGHT	1/16				HRK - 4K
		3/32				
		1/8				



ELECTRICAL:

Wire Size:
 Solder Cup Type One #20 AWG
 Eyelet Type Two #20 AWG or Three #22 AWG

Current Rating 3 Amperes

Withstanding Voltage:

Contact to Contact Sea Level 1000 VRMS Minimum
 Contact to Ground Sea Level 1800 VRMS Minimum
 Contact to Contact 70,000 Ft.300 VRMS Minimum
 Contact to Ground 70,000 Ft.450 VRMS Minimum

MECHANICAL:

Creepage Between Contacts09 Minimum
 Air Space Between Contacts03 Minimum
 Contacts to Accept 0.030 ± 0.001 DIA. Pins

Contacts:

Spring Temper Grade "A" Phosphor Bronze, or
 Heat Treated Beryllium Copper
 Gold Plated over Copper or Nickel Plate

Mounting Hardware:

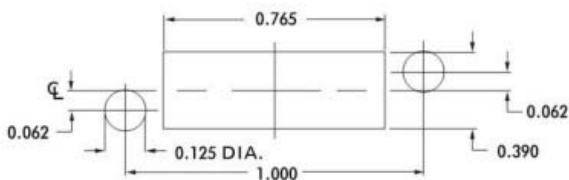
Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

Choice of **MIL Approved** Thermosetting
 Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C

Weight of Socket with Mountings: 0.23 oz.

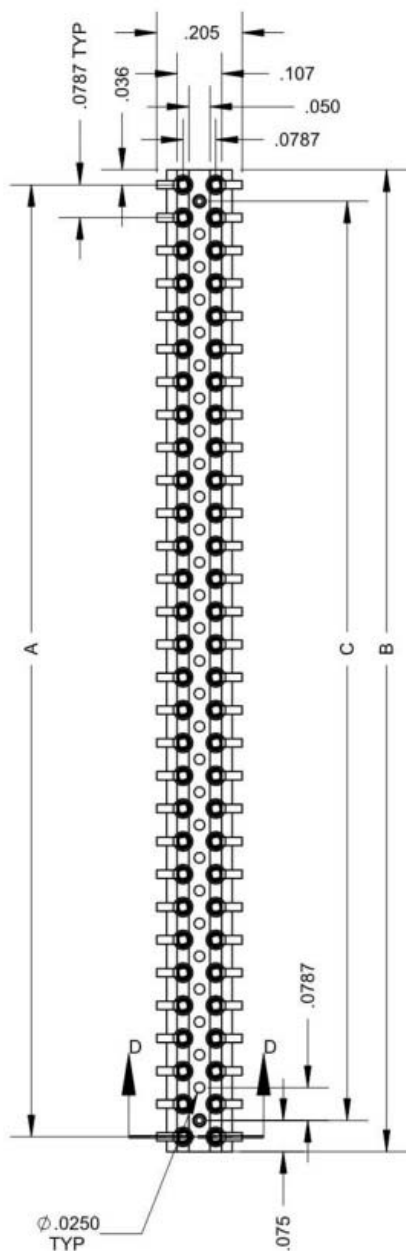


RECOMMENDED CHASSIS CUT-OUT

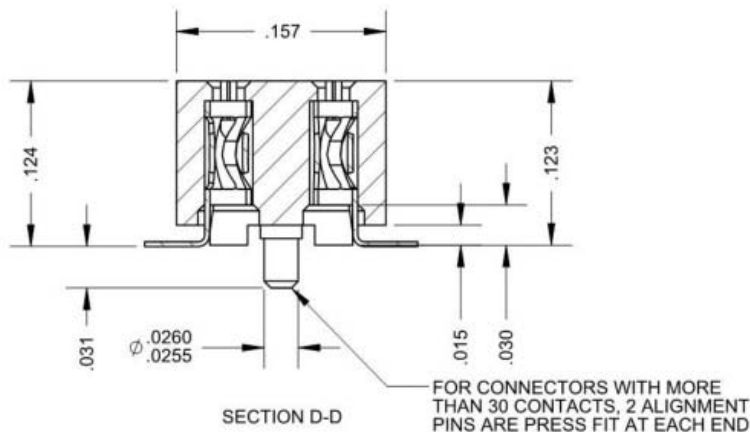


M2 SERIES

DIMENSIONS FOR SOCKET ASSEMBLIES FROM 2 TO 60 CONTACTS



SOCKET ASSEMBLY TABLE					
PART NO	ASSY NO	A±.002	B+0/-.008	C±.002	CONTACTS
M2-60S-02-2L2FT3	3292-0	2.282	2.352	2.204	60
M2-58S-02-2L2FT3	3292-1	2.204	2.274	2.125	58
M2-56S-02-2L2FT3	3292-2	2.125	2.195	2.046	56
M2-54S-02-2L2FT3	3292-3	2.046	2.116	1.968	54
M2-52S-02-2L2FT3	3292-4	1.968	2.038	1.889	52
M2-50S-02-2L2FT3	3292-5	1.889	1.959	1.810	50
M2-48S-02-2L2FT3	3292-6	1.810	1.880	1.731	48
M2-46S-02-2L2FT3	3292-7	1.731	1.801	1.653	46
M2-44S-02-2L2FT3	3292-8	1.653	1.723	1.574	44
M2-42S-02-2L2FT3	3292-9	1.574	1.644	1.495	42
M2-40S-02-2L2FT3	3292-10	1.495	1.565	1.417	40
M2-38S-02-2L2FT3	3292-11	1.417	1.487	1.338	38
M2-36S-02-2L2FT3	3292-12	1.338	1.408	1.259	36
M2-34S-02-2L2FT3	3292-13	1.259	1.329	1.181	34
M2-32S-02-2L2FT3	3292-14	1.181	1.251	1.102	32
M2-30S-02-2L2FT3	3292-15	1.102	1.172	1.023	30
M2-28S-02-2L2FT3	3292-16	1.023	1.093	0.944	28
M2-26S-02-2L2FT3	3292-17	0.944	1.014	0.866	26
M2-24S-02-2L2FT3	3292-18	0.866	0.936	0.787	24
M2-22S-02-2L2FT3	3292-19	0.787	0.857	0.708	22
M2-20S-02-2L2FT3	3292-20	0.708	0.778	0.63	20
M2-18S-02-2L2FT3	3292-21	0.630	0.700	0.551	18
M2-16S-02-2L2FT3	3292-22	0.551	0.621	0.472	16
M2-14S-02-2L2FT3	3292-23	0.472	0.542	0.394	14
M2-12S-02-2L2FT3	3292-24	0.394	0.464	0.315	12
M2-10S-02-2L2FT3	3292-25	0.315	0.385	0.236	10
M2-08S-02-2L2FT3	3292-26	0.236	0.306	0.157	8
M2-06S-02-2L2FT3	3292-27	0.157	0.227	0.079	6
M2-04S-02-2L2FT3	3292-28	0.079	0.149	0.000	4
M2-02S-02-2L2FT3	3292-29	0.000	0.070	0.000	2



SOCKET CONTACTS SHOWN WITHOUT SOLDER DIP

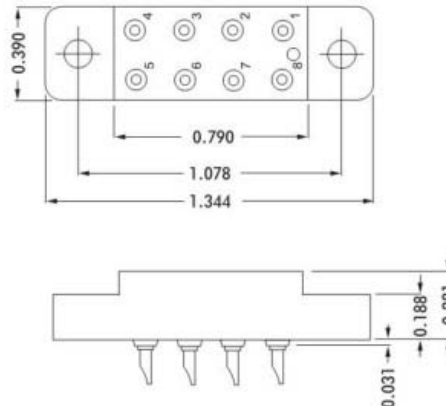
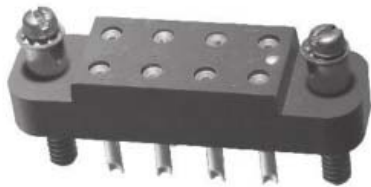
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE CATALOG PAGES 75 & 77

Questions? Contact Armel Electronics at: 1.800.840.0666

printed circuit connectors

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HRC SERIES



CONTACT DATA	CHASSIS MOUNTING DATA					
	CHASSIS THICKNESS	X-DIMENSION	BELOW CHASSIS	BELOW CHASSIS	ABOVE CHASSIS	
OPEN ENTRY	SOLDER CUP 	1/16 .17	HRC - 1		HRC - 2	
		3/32 .14		HRC - 31	HRC - 32	
	EYELET 	1/16 .17	HRC - 5		HRC - 6	
		3/32 .14		HRC - 35	HRC - 36	
	STRAIGHT 	1/16 .12			HRC - 4	
		3/32 .12			HRC - 34	
	WIRE WRAP 	0.025 SQ. 0.48	1/16 .17	HRC - 9		HRC - 13
		0.045 SQ. 0.79	3/32 .14			
	CLOSED ENTRY	SOLDER CUP 	1/16 .17	HRC - 1K		HRC - 18
			3/32 .14		HRC - 31K	HRC - 32K
EYELET 		1/16 .17	HRC - 5K		HRC - 6K	
		3/32 .14		HRC - 35K	HRC - 36K	
STRAIGHT 		1/16 .12			HRC - 4K	
		3/32 .12				
WIRE WRAP 		0.045 SQ. 5/8	1/16 .17	HRC - 818K		HRC - 18K

ELECTRICAL

Wire Size:

- Solder Cup Type One #20 AWG
- Eyelet Type Two #20 AWG or Three #22 AWG

Current Rating 3 Amperes

Withstanding Voltage:

- Contact to Contact Sea Level. 2700 VRMS Minimum
- Contact to Ground Sea Level. 2250 VRMS Minimum
- Contact to Contact 70,000 Ft. 560 VRMS Minimum
- Contact to Ground 70,000 Ft. 500 VRMS Minimum

MECHANICAL

- Creepage Between Contacts. 0.17 Minimum
- Air Space Between Contacts. 0.11 Minimum
- Contacts to Accept 0.030 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

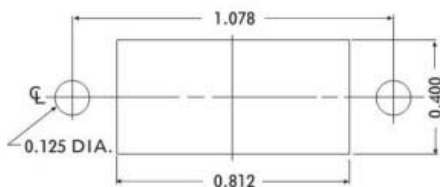
- Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

- Choice of MIL Approved Thermosetting Insulations (See Page 45)

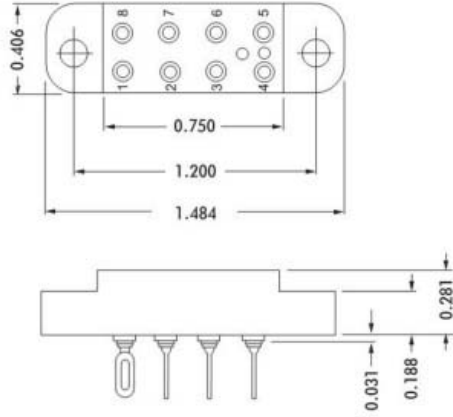
Temperature Ratings: -65°C to +125°C

Weight of Socket with Mountings: 0.23 oz.



RECOMMENDED CHASSIS CUT-OUT

HRCZ SERIES



CONTACT DATA	CHASSIS MOUNTING DATA					
	CHASSIS THICKNESS	X-DIMENSION	BELOW CHASSIS	BELOW CHASSIS	ABOVE CHASSIS	
OPEN ENTRY	SOLDER CUP	1/16	.17	HRCZ - 1		HRCZ - 2
		3/32	.14		HRCZ - 31	HRCZ - 32
		1/8	.12		HRCZ - 41	HRCZ - 42
	EYELET	1/16	.17	HRCZ - 5		HRCZ - 6
		3/32	.14		HRCZ - 35	HRCZ - 36
		1/8	.12		HRCZ - 45	HRCZ - 46
STRAIGHT	1/16	.17			HRCZ - 4	
	3/32	.14			HRCZ - 34	
	1/8	.12				
CLOSED ENTRY	SOLDER CUP	1/16	.17	HRCZ - 1K		HRCZ - 2K
		3/32	.14		HRCZ - 31K	HRCZ - 32K
		1/8	.12		HRCZ - 41K	HRCZ - 42K
	EYELET	1/16	.17	HRCZ - 5K		HRCZ - 6K
		3/32	.14		HRCZ - 35K	HRCZ - 36K
		1/8	.12		HRCZ - 45K	HRCZ - 46K
STRAIGHT	1/16	.17			HRCZ - 4K	
	3/32	.14				
		1/8	.12			

ELECTRICAL

Wire Size:
 Solder Cup Type..... One #20 AWG
 Eyelet Type..... Two #20 AWG or Three #22 AWG

Current Rating..... 3 Amperes

Withstanding Voltage:
 Contact to Contact Sea Level..... 2700 VRMS Minimum
 Contact to Ground Sea Level..... 3300 VRMS Minimum
 Contact to Contact 70,000 Ft..... 560 VRMS Minimum
 Contact to Ground 70,000 Ft..... 675 VRMS Minimum

MECHANICAL

Creepage Between Contacts..... 0.17 Minimum
 Air Space Between Contacts..... 0.11 Minimum
 Contacts to Accept 0.030 ± 0.001 DIA. Pins

Contacts:

Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper
 Gold Plated over Copper or Nickel Plate

Mounting Hardware:

Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

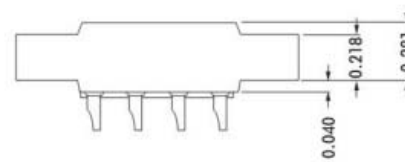
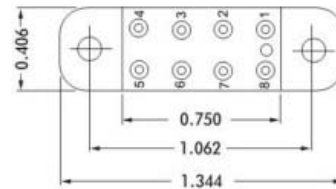
Choice of MIL Approved Thermosetting Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C
 Weight of Socket with Mountings: 0.23 oz.



RECOMMENDED CHASSIS CUT-OUT

HRCW SERIES



CONTACT DATA		CHASSIS MOUNTING DATA			
		CHASSIS THICKNESS	X-DIMENSION		
OPEN ENDED	SOLDER CUP	1/16	.14	HRCW - 1	HRCW - 22
		3/32	.11	HRCW - 31	HRCW - 32
		1/8	.08	HRCW - 42	
	EYELET	1/16	.14	HRCW - 5	HRCW - 6
		3/32	.11	HRCW - 35	HRCW - 36
		1/8	.08		HRCW - 46
CLOSE ENDED	STRAIGHT	1/16	.14		HRCW - 24
		3/32	.11		
		1/8	.08		
CLOSE ENDED	SOLDER CUP	1/16	.14	HRCW - 1K	HRCW - 22K
		3/32	.11	HRCW - 31K	HRCW - 32K
		1/8	.08		HRCW - 42K
	EYELET	1/16	.14	HRCW - 5K	HRCW - 6K
		3/32	.11	HRCW - 35K	HRCW - 36K
		1/8	.08		HRCW - 46K
CLOSE ENDED	STRAIGHT	1/16			HRCW - 24K
		1/8			

ELECTRICAL

Wire Size:

Solder Cup Type One #20 AWG
 Eyelet Type Two #20 AWG or
 Three #22 AWG

Current Rating3 Amperes
 Withstanding Voltage:

Contact to Contact Sea Level . . .2700 VRMS Minimum
 Contact to Ground Sea Level . . .2250 VRMS Minimum
 Contact to Contact 70,000 Ft. . .560 VRMS Minimum
 Contact to Ground 70,000 Ft. . . 500 VRMS Minimum

MECHANICAL

Creepage Between Contacts 0.16 Minimum
 Air Space Between Contacts 0.11 Minimum
 Contacts to Accept 0.030 ± 0.001 DIA. Pins

Contacts:

Spring Temper Grade "A" Phosphor Bronze, or
 Heat Treated Beryllium Copper
 Gold Plated over Copper or Nickel Plate

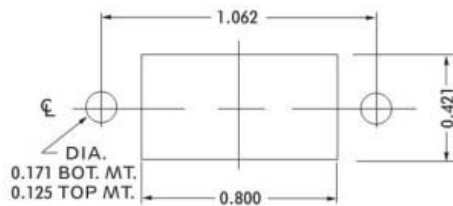
Mounting Hardware:

Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

Choice of **MIL Approved** Thermosetting
 Insulations (See Page 45)

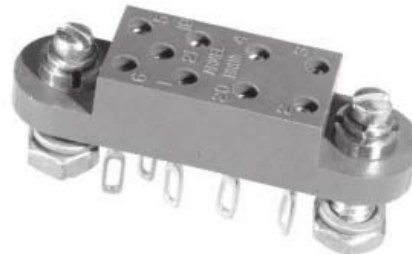
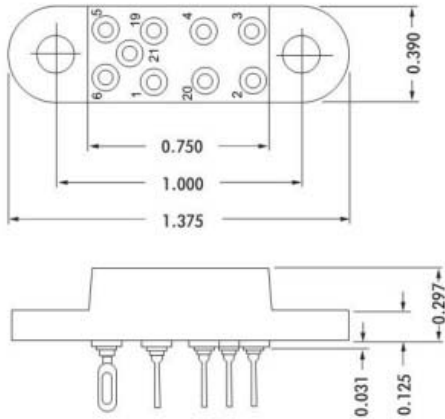
Temperature Ratings: -65°C to +125°C
 Weight of Socket with Mountings: 0.27 oz.



RECOMMENDED CHASSIS CUT-OUT



HRUA SERIES



ELECTRICAL

Wire Size:

- Solder Cup Type One #20 AWG
- Eyelet Type Two #20 AWG or
Three #22 AWG

Current Rating 3 Amperes

Withstanding Voltage:

- Contact to Contact Sea Level . . . 1500 VRMS Minimum
- Contact to Ground Sea Level . . . 1000 VRMS Minimum
- Contact to Contact 70,000 Ft. . . . 375 VRMS Minimum
- Contact to Ground 70,000 Ft. . . . 300 VRMS Minimum

MECHANICAL

- Creepage Between Contacts 0.11 Minimum
- Air Space Between Contacts 0.05 Minimum
- Contacts to Accept 0.030 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or
- Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:






- Special Studs, Screws, Lockwashers, and Nuts

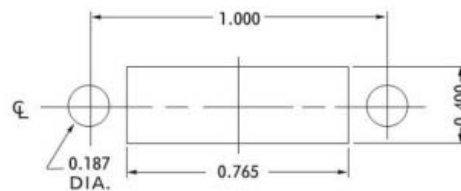
Insulation Material:

- Choice of **MIL Approved** Thermosetting Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C

Weight of Socket with Mountings: 0.24 oz.

CONTACT DATA	CHASSIS MOUNTING DATA			
	CHASSIS THICKNESS	X-DIMENSION	CONTACT MOUNTING	
			BELOW CHASSIS	BELOW CHASSIS
	1/16			
	3/32	.06		HRUA - 31
	1/8			
	1/16			
	3/32	.06		HRUA - 35
	1/8			
	1/16			
	3/32			
	1/8			
	1/8			



RECOMMENDED CHASSIS CUT-OUT

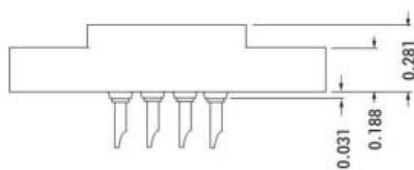
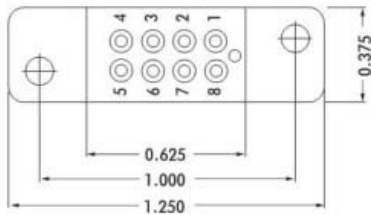
Questions? Contact Armel Electronics at: 1.800.840.0666




relay sockets

12



HRR SERIES



CONTACT DATA	CHASSIS MOUNTING DATA			
	CHASSIS THICKNESS	X-DIMENSION	X	
			BELOW CHASSIS	ABOVE CHASSIS
 SOLDER CUP	1/16	.17	HRR - 1	HRR - 2
	3/32	.14		HRR - 31
	1/8	.12	HRR - 41	HRR - 42
 EYELET	1/16	.17	HRR - 5	HRR - 6
	3/32	.14		HRR - 35
	1/8	.12	HRR - 45	HRR - 46
 STRAIGHT	1/16			HRR - 4
	3/32			
	1/8			

ELECTRICAL

Wire Size:

- Solder Cup Type.....One #20 AWG
- Eyelet Type.....Two #20 AWG or
Three #22 AWG

Current Rating.....3 Amperes

Withstanding Voltage:

- Contact to Contact Sea Level...1000 VRMS Minimum
- Contact to Ground Sea Level...3300 VRMS Minimum
- Contact to Contact 70,000 Ft....300 VRMS Minimum
- Contact to Ground 70,000 Ft....675 VRMS Minimum

MECHANICAL

- Creepage Between Contacts.....0.09 Minimum
- Air Space Between Contacts.....0.03 Minimum
- Contacts to Accept 0.020 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or
Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

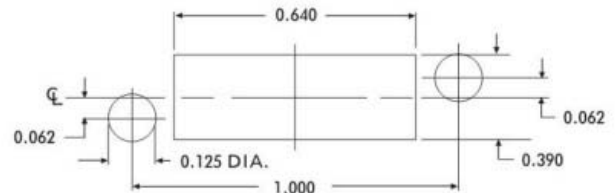
- Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

- Choice of **MIL Approved** Thermosetting
Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C

Weight of Socket with Mountings: 0.23 oz.



RECOMMENDED CHASSIS CUT-OUT

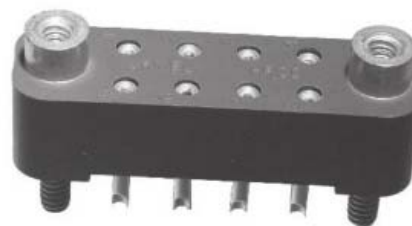
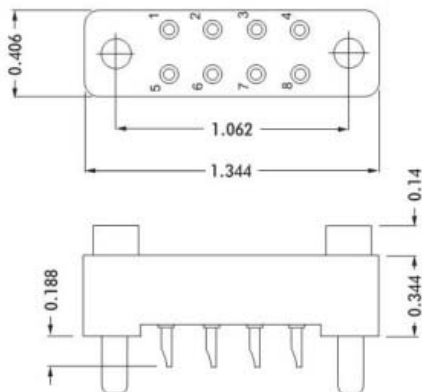
Questions? Contact Armel Electronics at: 1.800.840.0666

relay sockets

06



HRCD SERIES



ELECTRICAL

Wire Size:

- Solder Cup Type. One #20 AWG
- Eyelet Type. Two #20 AWG or
Three #22 AWG

Current Rating. 3 Amperes

Withstanding Voltage:

- Contact to Contact Sea Level. 2700 VRMS Minimum
- Contact to Ground Sea Level. 2700 VRMS Minimum
- Contact to Contact 70,000 Ft. 560 VRMS Minimum
- Contact to Ground 70,000 Ft. 560 VRMS Minimum

MECHANICAL

- Creepage Between Contacts. 0.16 Minimum
- Air Space Between Contacts. 0.11 Minimum
- Contacts to Accept 0.030 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or
- Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

- Special Stud, Screws, Lockwashers, and Nuts

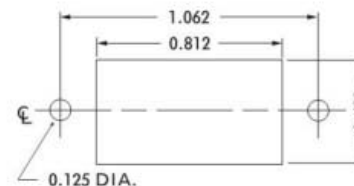
Insulation Material:

- Choice of **MIL Approved** Thermosetting Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C

Weight of Socket with Mountings: 0.26 oz.

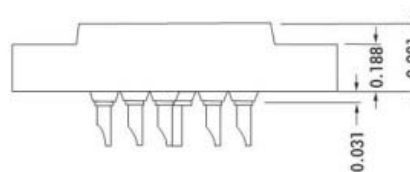
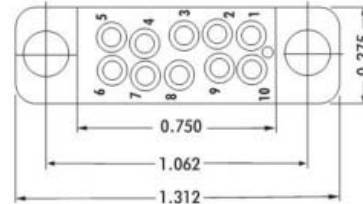
		CHASSIS MOUNTING DATA		
		CONTACT DATA	CHASSIS THICKNESS	
OPEN ENTRY	SOLDER CUP	$\frac{1}{16} - \frac{1}{8}$	HRCD-2	
		$\frac{1}{16}$		HRCD-22
	EYELET	$\frac{1}{16} - \frac{1}{8}$	HRCD-6	
		$\frac{1}{16}$		HRCD-26
	STRAIGHT	$\frac{1}{16} - \frac{1}{8}$	HRCD-24	
		$\frac{1}{16}$		HRCD-4
CLOSED ENTRY	SOLDER CUP	$\frac{1}{16} - \frac{1}{8}$	HRCD-2K	
		$\frac{1}{16}$		HRCD-22K
	EYELET	$\frac{1}{16} - \frac{1}{8}$	HRCD-6K	
		$\frac{1}{16}$		HRCD-26K
	STRAIGHT	$\frac{1}{8}$	HRCD-24K	HRCD-4K
		$\frac{1}{16}$		



RECOMMENDED CHASSIS CUT-OUT

Questions? Contact Armel Electronics at: 1.800.840.0666

HRKB SERIES



CONTACT DATA	CHASSIS MOUNTING DATA					
	CHASSIS THICKNESS	X-DIMENSION	BELOW CHASSIS	ABOVE CHASSIS		
OPEN ENDED	SOLDER CUP	1/16	.17	HRKB - 1	HRKB - 2	
		3/32	.14		HRKB - 31	HRKB - 32
		1/8	.12		HRKB - 41	HRKB - 42
	EYELET	1/16	.17	HRKB - 5		
		3/32	.14		HRKB - 35	HRKB - 36
		1/8	.12		HRKB - 45	HRKB - 46
CLOSE ENDED	SOLDER CUP	1/16	.17	HRKB - 1K	HRKB - 2K	
		3/32	.14		HRKB - 31K	HRKB - 32K
		1/8	.12		HRKB - 41K	HRKB - 42K
	EYELET	1/16	.17	HRKB - 5K	HRKB - 6K	
		3/32	.14		HRKB - 35K	HRKB - 36K
		1/8	.12		HRKB - 45K	HRKB - 46K
STRAIGHT	1/16			HRKB - 4		
	1/8					

ELECTRICAL

Wire Size:

- Solder Cup Type..... One #20 AWG
- Eyelet Type..... Two #20 AWG or Three #22 AWG

Current Rating..... .3 Amperes

Withstanding Voltage:

- Contact to Contact Sea Level..... 1000 VRMS Minimum
- Contact to Ground Sea Level..... 2250 VRMS Minimum
- Contact to Contact 70,000 Ft..... 300 VRMS Minimum
- Contact to Ground 70,000 Ft..... 500 VRMS Minimum

MECHANICAL

- Creepage Between Contacts..... 0.09 Minimum
- Air Space Between Contacts..... 0.03 Minimum
- Contacts to Accept 0.030 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze or Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

- Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

- Choice of MIL Approved Thermosetting Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C

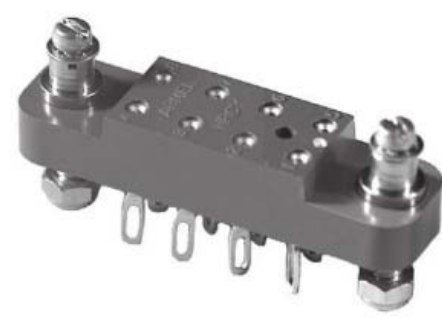
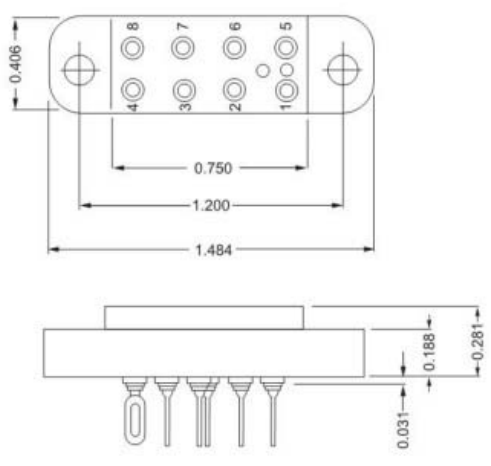
Weight of Socket with Mountings: 0.26 oz.



RECOMMENDED CHASSIS CUT-OUT



HRCY SERIES



ELECTRICAL

- Wire Size:
- Solder Cup Type. One #20 AWG
 - Eyelet Type. Two #20 AWG or Three #22 AWG
- Current Rating. 3 Amperes
- Withstanding Voltage:
- Contact to Contact Sea Level. 2700 VRMS Minimum
 - Contact to Ground Sea Level. 3300 VRMS Minimum
 - Contact to Contact 70,000 Ft. 560 VRMS Minimum
 - Contact to Ground 70,000 Ft. 675 VRMS Minimum

MECHANICAL

- Creepage Between Contacts.0.17 Minimum
- Air Space Between Contacts.0.11 Minimum
- Contacts to Accept 0.030 ± 0.001 DIA. Pins

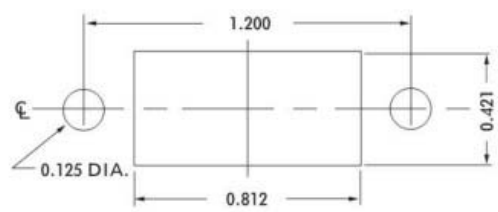
- Contacts:
- Spring Temper Grade "A" Phosphor Bronze or Heat Treated Beryllium Copper
 - Gold Plated over Copper or Nickel Plate

- Mounting Hardware:
- Special Studs, Screws, Lockwashers, and Nuts

- Insulation Material:
- Choice of **MIL Approved** Thermosetting Insulations (See Page 45)

- Temperature Ratings: -65°C to +125°C
- Weight of Socket with Mountings: 0.25 oz.

CONTACT DATA		CHASSIS MOUNTING DATA				
		CHASSIS THICKNESS	X-DIMENSION	BELOW CHASSIS	BELOW CHASSIS	ABOVE CHASSIS
OPEN ENTRY	SOLDER CUP	1/16	.17	HRCY - 1		HRCY - 2
		3/32	.14		HRCY - 31	HRCY - 32
		1/8	.12		HRCY - 41	HRCY - 42
	EYELET	1/16	.17	HRCY - 5		HRCY - 6
		3/32	.14		HRCY - 35	HRCY - 36
		1/8	.12		HRCY - 45	HRCY - 46
STRAIGHT	1/16				HRCY - 4	
	3/32					
	1/8					
CLOSED ENTRY	SOLDER CUP	1/16	.17	HRCY - 1K		HRCY - 2K
		3/32	.14		HRCY - 31K	HRCY - 32K
		1/8	.12		HRCY - 41K	HRCY - 42K
	EYELET	1/16	.17	HRCY - 5K		HRCY - 6K
		3/32	.14		HRCY - 35K	HRCY - 36K
		1/8	.12		HRCY - 45K	HRCY - 46K
STRAIGHT	1/16				HRCY - 4K	
	3/32					
	1/8					

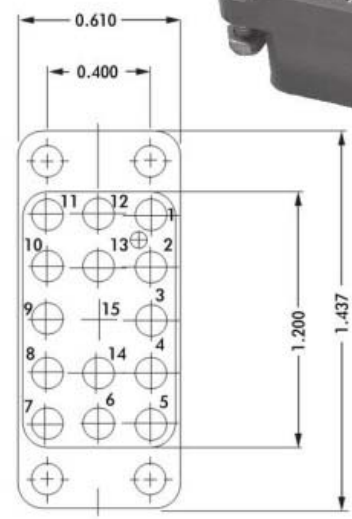
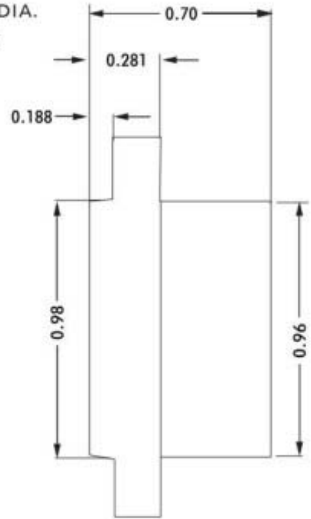
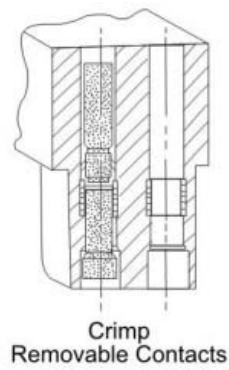
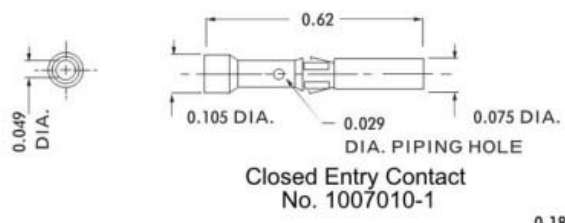


RECOMMENDED CHASSIS CUT-OUT

Questions? Contact Armel Electronics at: 1.800.840.0666



HRCC-CK SERIES



SPECIFICATIONS

ELECTRICAL

Current Rating	3 Amperes
Contact Size	0.030 Inch
Withstanding Voltage	
Contact to Contact Sea Level	2700 VRMS Minimum
Contact to Ground Sea Level	1500 VRMS Minimum
Contact to Contact 70,000 Ft. ....	.560 VRMS Minimum
Contact to Ground 70,000 Ft. ....	.375 VRMS Minimum

MECHANICAL

Creepage Between Contacts .....	.012 Min.
Air Space Between Contacts .....	.009 Min.
Terminal Accommodation	One No. 20, One No. 22, One or Two No. 24 AWG Wire
Contact Material & Plating	Phosphor Bronze, Gold Plated (0.000050 inch) per MIL-G-45204, Type II, Class 1, Over Copper Plate
Contact Retaining Clip	Stainless Steel, Passivated
Crimping Tool	No. MS 3191A
Positioner	No. KP7010
Insertion Tool	Not Required

Mounting Hardware:
Special Studs, Screws Lockwashers and Nuts

Insulation Material:
Choice of **MIL Approved** Thermosetting
Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C
Weight of Socket with Mountings: 0.75 oz.

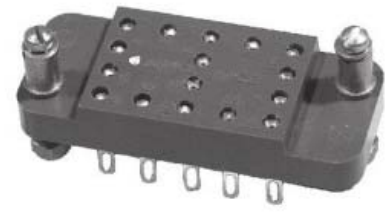
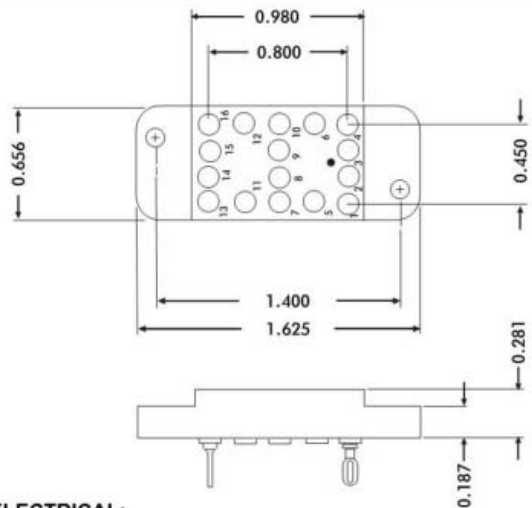


Removing Tool
No. T9066-2

Questions? Contact Armel Electronics at: 1.800.840.0666



HRCE SERIES



ELECTRICAL:

Wire Size:
 Solder Cup Type. One #20 AWG
 Eyelet Type. Two #20 AWG or
 Three #22 AWG
 Current Rating. 3 Amperes
 Withstanding Voltage:
 Contact to Contact Sea Level. . . 1200 VRMS Minimum
 Contact to Ground Sea Level. . . .3300 VRMS Minimum
 Contact to Contact 70,000 Ft. . . .300 VRMS Minimum
 Contact to Ground 70,000 Ft. . . .675 VRMS Minimum

MECHANICAL:

Creepage Between Contacts. 0.12 Minimum
 Air Space Between Contacts. 0.05 Minimum
 Contacts to Accept 0.030 + 0.001 DIA. Pins

Contacts:

Spring Temper Grade "A" Phosphor Bronze or
 Heat Treated Beryllium Copper
 Gold Plated over Copper or Nickel Plate

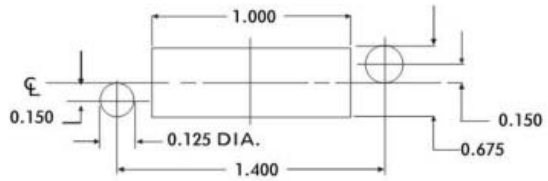
Mounting Hardware:

Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

Choice of **MIL Approved** Thermosetting
 Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C
 Weight of Socket with Mountings: 0.45 oz.

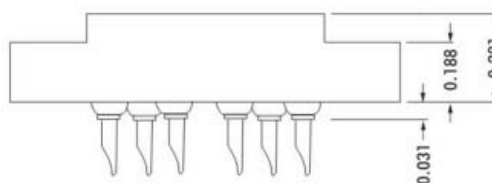
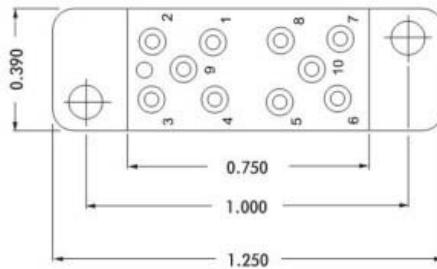
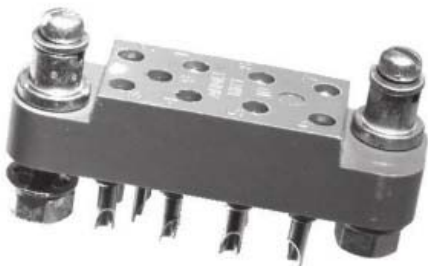


RECOMMENDED CHASSIS CUT-OUT

CONTACT DATA	CHASSIS MOUNTING DATA				
	CHASSIS THICKNESS	X-DIMENSION	MOUNTING STYLE		
			BELOW CHASSIS	BELOW CHASSIS	ABOVE CHASSIS
OPEN ENTRY	SOLDER CUP	1/16 .17	HRCE - 1		HRCE - 2
		3/32 .14			
		1/8 .12			
	EYELET	1/16 .17	HRCE - 6		HRCE - 5
		3/32 .14			
		1/8 .12			
	STRAIGHT	1/16			HRCE - 4
		3/32			
		1/8			
	STRAIGHT	1/16			HRCE - 24
		3/32			
		1/8			
WIRE WRAP	0.045 SQ.	1/16 .17	HRCE - 28		
		3/32 .14			
	0.025 SQ.	1/16 .17	HRCE - 18		
		3/32 .14			
		1/8 .12			
		1/8 .12			
CLOSED ENTRY	SOLDER CUP	1/16 .17	HRCE - 1K		HRCE - 2K
		3/32 .14			
		1/8 .12			
	EYELET	1/16 .17	HRCE - 6K		HRCE - 5K
		3/32 .14			
		1/8 .12			
	STRAIGHT	1/16			HRCE - 4K
		3/32			
		1/8			
	STRAIGHT	1/16			HRCE - 24K
		3/32			
		1/8			
WIRE WRAP	0.045 SQ.	1/16 .17	HRCE - 28K		
		3/32 .14			
	0.025 SQ.	1/16 .17	HRCE - 18K		
		3/32 .14			
		1/8 .12			
		1/8 .12			

Questions? Contact Armel Electronics at: 1.800.840.0666

HRT SERIES



CONTACT DATA	CHASSIS MOUNTING DATA		
	CHASSIS THICKNESS	X-DIMENSION	
 SOLDER CUP	1/16	0.17	BELOW CHASSIS
		0.17	BELOW CHASSIS
		0.23	ABOVE CHASSIS
 EYELET	1/16	10	HRT - 1
		9	HRT - 7
		8	HRT - 13
 STRAIGHT	1/16	10	HRT - 5
		9	HRT - 11
		8	HRT - 17
 SOLDER CUP	1/16	10	HRT - 3
		9	HRT - 9
		8	HRT - 15
 EYELET	1/16	10	HRT - 1K
		9	HRT - 7K
		8	HRT - 13K
 EYELET	1/16	10	HRT - 5K
		9	HRT - 11K
		8	HRT - 17K
 STRAIGHT	1/16	10	HRT - 3K
		9	HRT - 9K
		8	HRT - 15K

ELECTRICAL

Wire Size:

Solder Cup Type. One #20 AWG
 Eyelet Type. Two #20 AWG or
 Three #22 AWG

Current Rating. 3 Amperes

Withstanding Voltage:

Contact to Contact Sea Level. .1500 VRMS Minimum
 Contact to Ground Sea Level. .1500 VRMS Minimum
 Contact to Contact 70,000 Ft. .375 VRMS Minimum
 Contact to Ground 70,000 Ft. .375 VRMS Minimum

MECHANICAL

Creepage Between Contacts 0.11 Minimum
 Air Space Between Contacts. 0.05 Minimum
 Contacts to Accept 0.030 ± 0.001 DIA. Pins

Contacts:

Spring Temper Grade "A" Phosphor Bronze, or
 Heat Treated Beryllium Copper
 Gold Plated over Copper or Nickel Plate

Mounting Hardware:

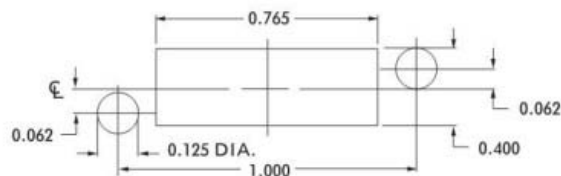
Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

Choice of **MIL Approved** Thermosetting
 Insulations (See Page 45)

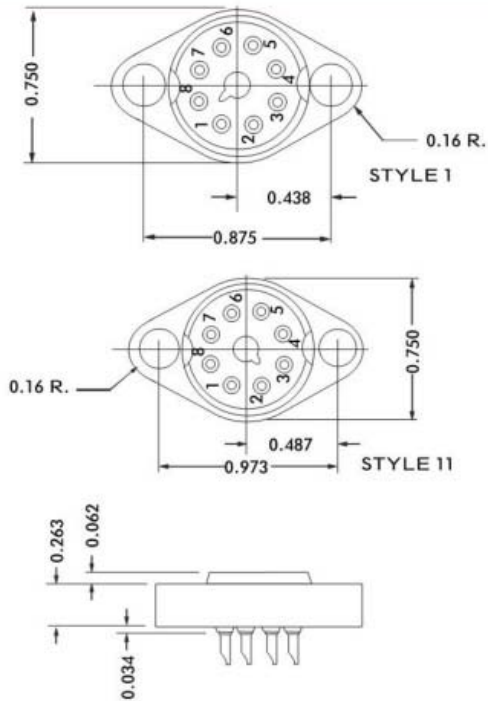
Temperature Ratings: -65°C to +125°C

Weight of Socket with Mountings: 0.26 oz.



RECOMMENDED CHASSIS CUT-OUT

HRW SERIES



CONTACT DATA	CHASSIS MOUNTING DATA					
	CHASSIS THICKNESS	X-DIMENSION	STYLE	MOUNTING STYLE		
				BELOW CHASSIS	BELOW CHASSIS	ABOVE CHASSIS
 SOLDER CUP	1/16	.22	I	HRW-1		HRW-2
			II	HRW-5		HRW-6
	3/32	.19	I		HRW-31	
			II		HRW-35	
	1/8		I			
			II			
 EYELET	1/16	.22	I	HRW-9		HRW-10
			II	HRW-11		HRW-12
	3/32	.19	I		HRW-39	
			II		HRW-311	
	1/8		I			
			II			
 TURRET	1/16	.22	I	HRW-3		HRW-4
			II	HRW-7		HRW-8
	3/32	.19	I		HRW-33	
			II		HRW-37	
	1/8		I			
			II			
 TAPER PIN	1/16	.22	I	HRW-13		HRW-14
			II	HRW-15		HRW-16
	3/32	.19	I		HRW-313	
			II		HRW-315	
	1/8		I			
			II			

ELECTRICAL

Wire Size:

- Solder Cup Type One #20 AWG
- Turret Type Two #20 AWG or Three #22 AWG
- Eyelet Type Two #20 AWG or Three #22 AWG
- Taper Type One AMP ?37? Taper Receptacle

Current Rating 7.5 Amperes

Withstanding Voltage:

- Contact to Contact Sea Level 1800 VRMS Minimum
- Contact to Ground Sea Level 1500 VRMS Minimum
- Contact to Contact 70,000 Ft. 450 VRMS Minimum
- Contact to Ground 70,000 Ft. 375 VRMS Minimum

MECHANICAL

- Creepage Between Contacts 0.14 Minimum
- Air Space Between Contacts06 Minimum
- Contacts to Accept 0.040 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

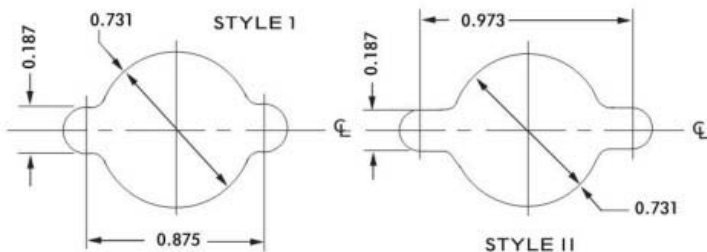
- Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

- Choice of **MIL Approved** Thermosetting Insulations (See Page 45)

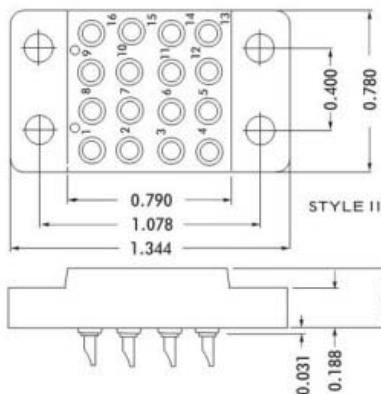
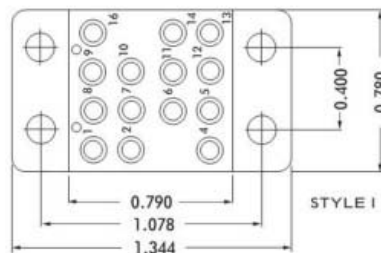
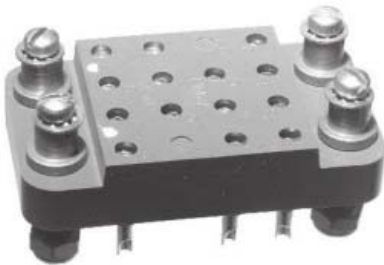
Temperature Ratings: -65°C to +125°C

Weight of Socket with Mountings: 0.44 oz.



RECOMMENDED CHASSIS CUT-OUT

HRCM SERIES



CONTACT DATA		CHASSIS MOUNTING DATA						
		CHASSIS THICKNESS	X-DIMENSION	STYLE	NO OF CONTACTS	BELOW CHASSIS	BELOW CHASSIS	ABOVE CHASSIS
OPEN ENTRY	SOLDER CUP	1/16	.17	I	14	HRCM-1		HRCM-2
				II	16	HRCM-601		HRCM-602
		3/32	.14	I	14		HRCM-31	HRCM-32
				II	16		HRCM-631	HRCM-632
		1/8	.12	I	14		HRCM-41	HRCM-42
				II	16		HRCM-641	HRCM-642
	EYELET	1/16	.17	I	14	HRCM-5		HRCM-6
				II	16	HRCM-605		HRCM-606
		3/32	.14	I	14		HRCM-35	HRCM-36
				II	16		HRCM-635	HRCM-636
		1/8	.12	I	14		HRCM-45	HRCM-46
				II	16		HRCM-645	HRCM-646
STRAIGHT	1/16	.17	I	14			HRCM-4	
			II	16			HRCM-604	
CLOSE ENTRY	SOLDER CUP	1/16	.17	I	14	HRCM-1K		HRCM-2K
				II	16	HRCM-601K		HRCM-602K
		3/32	.14	I	14		HRCM-31K	HRCM-32K
				II	16		HRCM-631K	HRCM-632K
		1/8	.12	I	14		HRCM-41K	HRCM-42K
				II	16		HRCM-641K	HRCM-642K
	EYELET	1/16	.17	I	14	HRCM-5K		HRCM-6K
				II	16	HRCM-605K		HRCM-606K
		3/32	.14	I	14		HRCM-35K	HRCM-36K
				II	16		HRCM-635K	HRCM-636K
		1/8	.12	I	14		HRCM-45K	HRCM-46K
				II	16		HRCM-645K	HRCM-646K
STRAIGHT	1/16	.17	I	14			HRCM-4K	
			II	16			HRCM-604K	

ELECTRICAL

Wire Size:

- Solder Cup Type. One #20 AWG
- Eyelet Type. Two #20 AWG or Three #22 AWG

Current Rating. 3 Amperes

Withstanding Voltage:

- Contact to Contact Sea Level. 2700 VRMS Minimum
- Contact to Ground Sea Level. 2250 VRMS Minimum
- Contact to Contact 70,000 Ft. 560 VRMS Minimum
- Contact to Ground 70,000 Ft. 500 VRMS Minimum

MECHANICAL

- Creepage Between Contacts. 0.17 Minimum
- Air Space Between Contacts. 0.11 Minimum
- Contacts to Accept 0.030 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

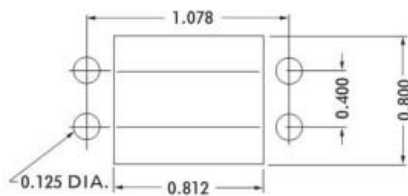
- Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

- Choice of MIL Approved Thermosetting Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C

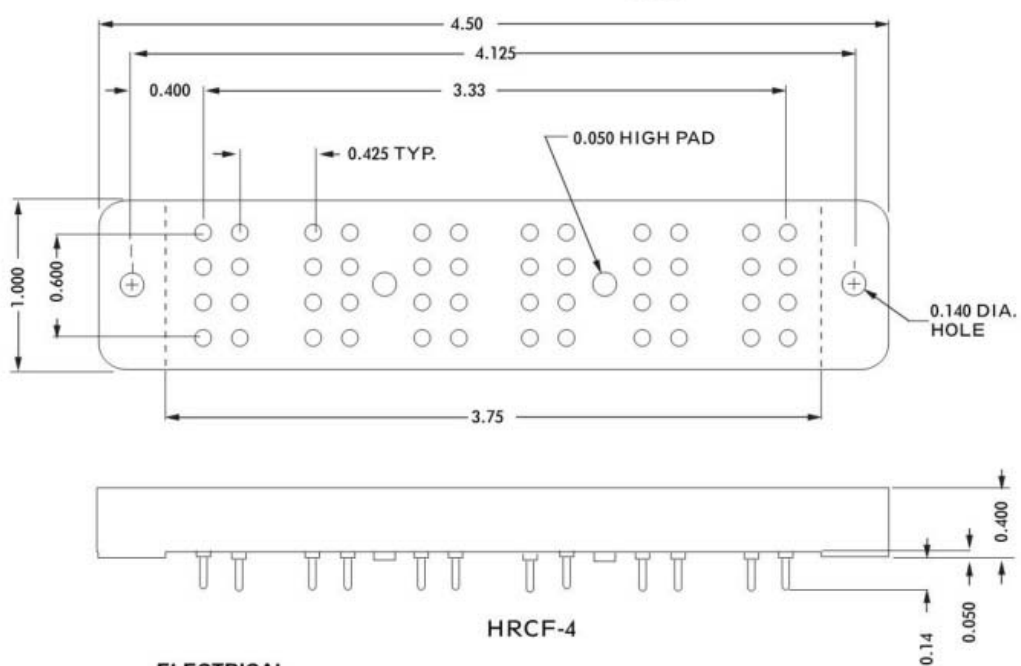
Weight of Socket with Mountings: 0.43 oz.



RECOMMENDED CHASSIS CUT-OUT



HRCF SERIES



ELECTRICAL
 Current Rating 10 Amperes
 Withstanding Voltage:
 Contact to Contact Sea Level 2700 VRMS Minimum
 Contact to Ground Sea Level 2250 VRMS Minimum
 Contact to Contact 70,000 Ft. 560 VRMS Minimum
 Contact to Ground 70,000 Ft. 500 VRMS Minimum

MECHANICAL
 Creepage Between Contacts 0.11 Minimum
 Air Space Between Contacts 0.11 Minimum
 Contacts to Accept 0.050 ± 0.001 DIA. Pins

Contacts:
 Spring Temper Grade "A" Phosphor Bronze, or
 Heat Treated Beryllium Copper
 Gold Plated over Copper or Nickel Plate

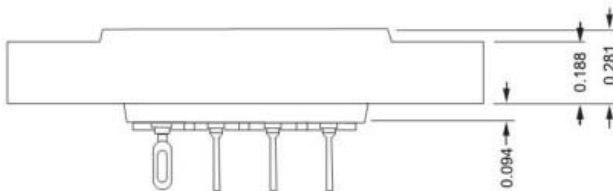
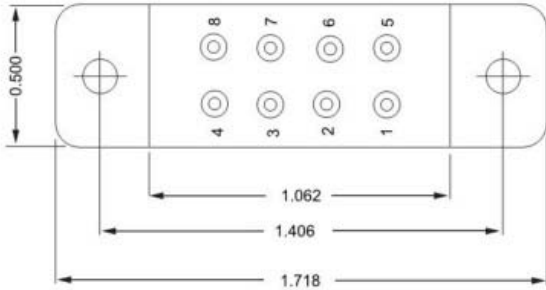
Mounting Hardware:
 Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:
 Choice of **MIL Approved** Thermosetting
 Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C
 Weight of Socket with Mountings: 1.85 oz.

Questions? Contact Armel Electronics at: 1.800.840.0666

HRCL SERIES



ELECTRICAL

Wire Size:

- Solder Cup Type One #20 AWG
- Eyelet Type Two #20 AWG or
Three #22 AWG

Current Rating. 10 Amperes

Withstanding Voltage:

- Contact to Contact Sea Level 2700 VRMS Minimum
- Contact to Ground Sea Level 5400 VRMS Minimum
- Contact to Contact 70,000 Ft. 560 VRMS Minimum
- Contact to Ground 70,000 Ft. 975 VRMS Minimum

MECHANICAL

- Creepage Between Contacts 0.16 Minimum
- Air Space Between Contacts 0.11 Minimum
- Contacts to Accept 0.050 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or
- Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

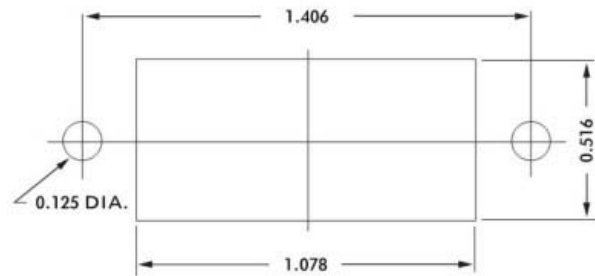
- Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

- Choice of **MIL Approved** Thermosetting
- Insulations (See Page 45)

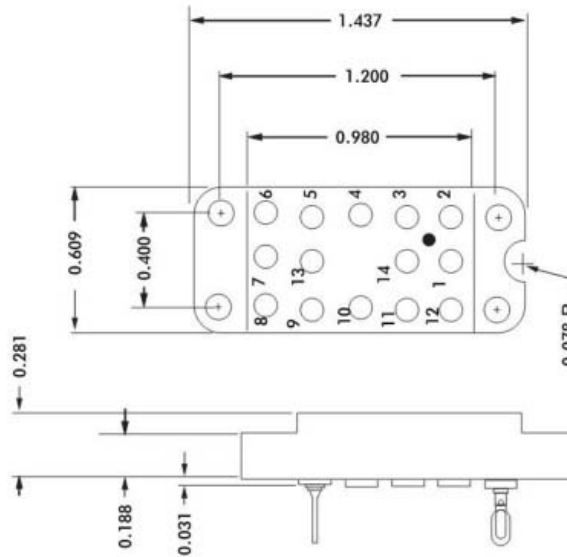
Temperature Ratings: -65°C to +125°C
Weight of Socket with Mountings: 0.39 oz.

CONTACT DATA	CHASSIS MOUNTING DATA			
	CHASSIS THICKNESS	X-DIMENSION	CONTACT MOUNTING	
			BELOW CHASSIS	BELOW CHASSIS
	1/16	.20		HRCL-1
	3/32	.17		
	1/8	.14		HRCL-41
	1/16	.20		HRCL-5
	3/32	.17		HRCL-35
	1/8	.14		HRCL-45
	1/16	.12		HRCL-44
	3/32	.19		HRCL-64
STRAIGHT	1/8			



RECOMMENDED CHASSIS CUT-OUT

HRCP SERIES



CONTACT DATA	CHASSIS MOUNTING DATA			
	CHASSIS THICKNESS	X-DIMENSION	MOUNTING TYPE	
			BELOW CHASSIS	ABOVE CHASSIS
 SOLDER CUP	$\frac{1}{16}$	.17	HRCP-1	
	$\frac{3}{32}$	.14	HRCP-31	
	$\frac{1}{8}$	.12	HRCP-41	
 EYELET	$\frac{1}{16}$	.17	HRCP-5	
	$\frac{3}{32}$	.14	HRCP-35	
	$\frac{1}{8}$	.12	HRCP-45	
 STRAIGHT	$\frac{1}{16}$			HRCP-4
	$\frac{3}{32}$			HRCP-34
	$\frac{1}{8}$			HRCP-44

ELECTRICAL

Wire Size:

Solder Cup Type One #20 AWG
 Eyelet Type Two #20 AWG or
 Three #22 AWG

Current Rating 3 Amperes

Withstanding Voltage:

Contact to Contact Sea Level 2700 VRMS Minimum
 Contact to Ground Sea Level 1500 VRMS Minimum
 Contact to Contact 70,000 Ft. 560 VRMS Minimum
 Contact to Ground 70,000 Ft. 375 VRMS Minimum

MECHANICAL

Creepage Between Contacts 0.17 Minimum
 Air Space Between Contacts 0.11 Minimum
 Contacts to Accept 0.030 ± 0.001 DIA. Pins

Contacts:

Spring Temper Grade "A" Phosphor Bronze, or
 Heat Treated Beryllium Copper
 Gold Plated over Copper or Nickel Plate

Mounting Hardware:

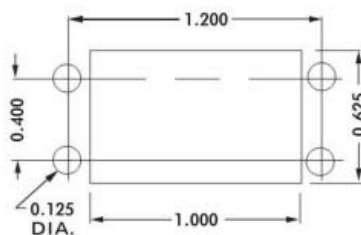
Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

Choice of **MIL Approved** Thermosetting
 Insulations (See Page 45)

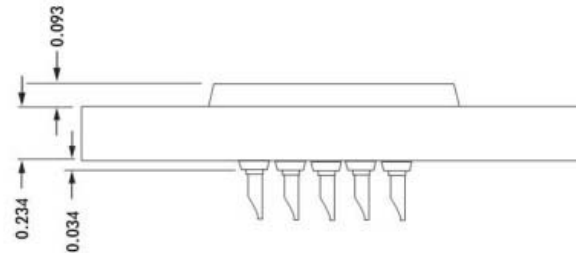
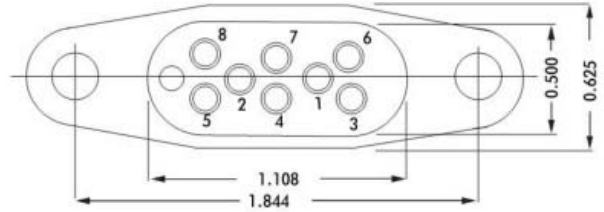
Temperature Ratings: -65°C to +125°C

Weight of Socket with Mountings: 0.45 oz.



RECOMMENDED CHASSIS CUT-OUT

HRE SERIES



CONTACT DATA	CHASSIS MOUNTING DATA				
	CHASSIS THICKNESS	X-DIMENSION	BELOW CHASSIS	BELOW CHASSIS	ABOVE CHASSIS
 SOLDER CUP	$\frac{1}{16}$	.12		HRE-1	HRE-2
	$\frac{3}{32}$	.09		HRE-31	HRE-32
 EYELET	$\frac{1}{8}$	.06	HRE-41		HRE-42
	$\frac{1}{16}$	.12		HRE-5	HRE-6
 TURRET	$\frac{3}{32}$	.09		HRE-35	HRE-36
	$\frac{1}{8}$	.06	HRE-45		HRE-46
 TAPER PIN	$\frac{1}{16}$	.12		HRE-3	HRE-4
	$\frac{3}{32}$	.09		HRE-33	HRE-34
	$\frac{1}{8}$	.06	HRE-43		HRE-44
	$\frac{1}{16}$	.12		HRE-7	HRE-8
	$\frac{3}{32}$	.09		HRE-37	HRE-38
	$\frac{1}{8}$	.06	HRE-47		HRE-48

ELECTRICAL

Wire Size:

- Solder Cup Type One #20 AWG
- Turret Type Two #20 AWG or Three #22 AWG
- Eyelet Type Two #20 AWG or Three #22 AWG
- Taper Type One AMP ?37? Taper Receptacle

Current Rating 7.5 Amperes

Withstanding Voltage:

- Contact to Contact Sea Level 2700 VRMS Minimum
- Contact to Ground Sea Level 6300 VRMS Minimum
- Contact to Contact 70,000 Ft. 560 VRMS Minimum
- Contact to Ground 70,000 Ft. 1065 VRMS Minimum

MECHANICAL

- Creepage Between Contacts 0.16 Minimum
- Air Space Between Contacts 0.09 Minimum
- Contacts to Accept 0.040 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

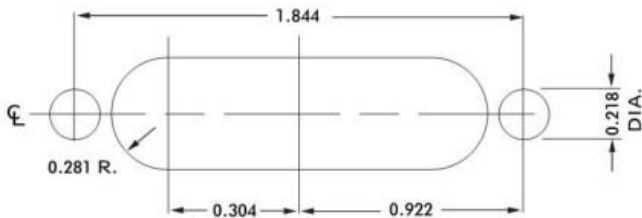
- Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

- Choice of **MIL Approved** Thermosetting Insulations (See Page 45)

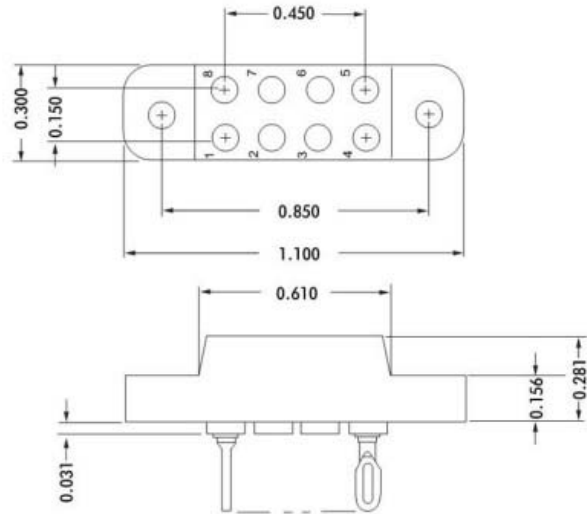
Temperature Ratings: -65°C to +125°C

Weight of Socket with Mountings: 0.69 oz.

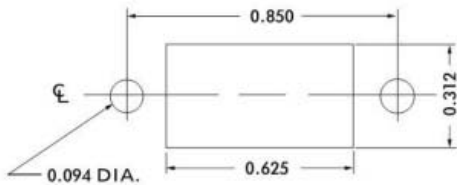


RECOMMENDED CHASSIS CUT-OUT

HRFA SERIES



CONTACT DATA	CHASSIS MOUNTING DATA			
	CHASSIS THICKNESS	X-DIMENSION	X	
			BELOW CHASSIS	ABOVE CHASSIS
 SOLDER CUP	1/16	.17	HRFA - 1	HRFA - 2
	3/32	.14		
	1/8	.12		
 EYELET	1/16	.17	HRFA - 5	HRFA - 6
	3/32	.14		
	1/8	.12		
 STRAIGHT	1/16			HRFA - 4
	3/32			
 WIRE WRAP	1/16	.17	HRFA - 23	
	3/32	.14		
	1/8	.12		
 WIRE WRAP	1/16	.17	HRFA - 13	
	3/32	.14		
	1/8	.12		



RECOMMENDED CHASSIS CUT-OUT

ELECTRICAL:

Wire Size

- Solder Cup Type.....One #20 AWG
- Eyelet Type.....Two #20 AWG or
Three #22 AWG

Current Rating.....3 Amperes

Withstanding Voltage:

- Contact to Contact Sea Level...1200 VRMS Minimum
- Contact to Ground Sea Level...3300 VRMS Minimum
- Contact to Contact 70,000 Ft...500 VRMS Minimum
- Contact to Ground 70,000Ft...675 VRMS Minimum

MECHANICAL:

- Creepage Between Contacts.....0.10 Minimum
- Air Space Between Contacts.....0.06 Minimum
+0.003

Contacts to Accept 0.020 - 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze or
- Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

- Special Studs, Screws, Lockwashers, and Nuts

Insulation Material

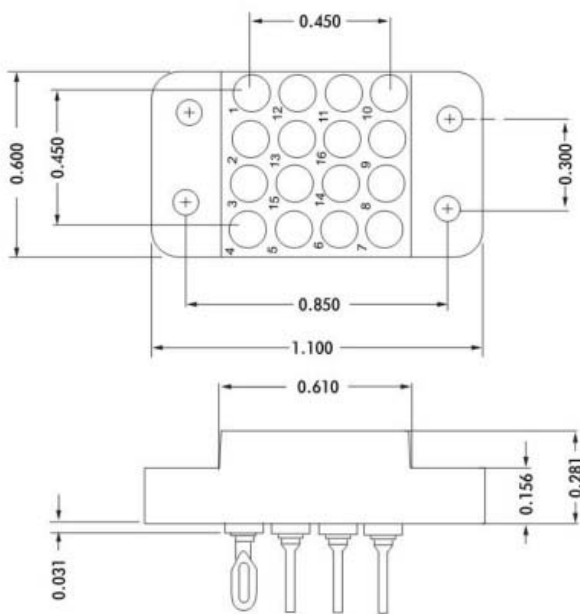
- Choice of **MIL Approved** Thermosetting
- Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C

Weight of Socket with Mountings: 0.25 oz.



HRFB SERIES



ELECTRICAL:

Wire Size
 Solder Cup Type One #20 AWG
 Eyelet Type Two #20 AWG or Three #22 AWG
 Current Rating 3 Amperes
 Withstanding Voltage:
 Contact to Contact Sea Level . . .1200 VRMS Minimum
 Contact to Ground Sea Level . . .3300 VRMS Minimum
 Contact to Contact 70,000 Ft. . .500 VRMS Minimum
 Contact to Ground 70,000 Ft. . .675 VRMS Minimum

MECHANICAL:

Creepage Between Contacts 0.10 Minimum
 Air Space Between Contacts 0.06 Minimum
 +0.003
 Contacts to Accept 0.020 - 0.001 DIA. Pins

Contacts:

Spring Temper Grade "A" Phosphor Bronze or Heat Treated Beryllium Copper
 Gold Plated over Copper or Nickel Plate

Mounting Hardware:

Special Studs, Screws, Lockwashers, and Nuts

Insulation Material

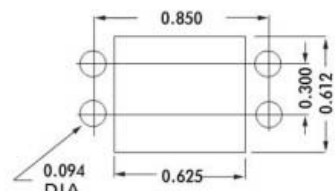
Choice of **MIL Approved** Thermosetting Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C

Weight of Socket with Mountings: 0.40 oz.

CONTACT DATA	CHASSIS MOUNTING DATA				
	CHASSIS THICKNESS	X-DIMENSION	NO. OF CONTACTS		
 SOLDER CUP	1/16	.17	14	HRFB - 1	HRFB - 2
			16	HRFB - 601	HRFB - 602
	3/32	.14	14		
			16		
	1/8	.12	14		
			16		
 EYELET	1/16	.17	14	HRFB - 5	HRFB - 6
			16	HRFB - 605	HRFB - 606
	3/32	.14	14		
			16		
	1/8	.12	14		
			16		
 STRAIGHT	1/16	.17	14		HRFB - 4
			16		HRFB - 614
	3/32	.14	14		
			16		
	1/8	.12	14		
			16		
 WIRE WRAP 0.045 SQ.	1/16	.17	14	HRFB - 23	
			16	HRFB - 623	
	3/32	.14	14		
			16		
	1/8	.12	14		
			16		
 WIRE WRAP 0.025 SQ.	1/16	.17	14	HRFB - 13	
			16	HRFB - 613	
	3/32	.14	14		
			16		
	1/8	.12	14		
			16		

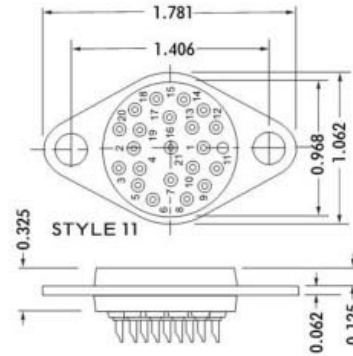
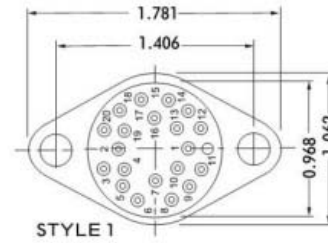
OPEN ENTRY



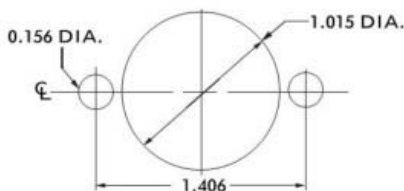
RECOMMENDED CHASSIS CUT-OUT

Questions? Contact Armel Electronics at: 1.800.840.0666

HF SERIES



CONTACT DATA		CHASSIS MOUNTING DATA				
		CHASSIS THICKNESS	STYLE	NO. OF CONTACTS		
OPEN ENTRY	SOLDER CUP	1/16	II	21	HF-50	HF-50
			I	20	HF-59	HF-59
		1/8	II	15	HF-53	HF-53
			I	14	HF-62	HF-62
		1/16	II	9	HF-56	HF-56
			I	8	HF-65	HF-65
	TURRET	1/16	II	21	HF-51	HF-51
			I	20	HF-60	HF-60
		1/8	II	15	HF-54	HF-54
			I	14	HF-63	HF-63
		1/16	II	9	HF-57	HF-57
			I	8	HF-66	HF-66
EYELET	1/16	II	21	HF-52	HF-52	
		I	20	HF-61	HF-61	
	1/8	II	15	HF-55	HF-55	
		I	14	HF-64	HF-64	
	1/16	II	9	HF-58	HF-58	
		I	8	HF-67	HF-67	
CLOSED ENTRY	SOLDER CUP	1/16	II	21	HF-50K	HF-50K
			I	20	HF-59K	HF-59K
		1/8	II	15	HF-53K	HF-53K
			I	14	HF-62K	HF-62K
		1/16	II	9	HF-56K	HF-56K
			I	8	HF-65K	HF-65K
	EYELET	1/16	II	21	HF-52K	HF-52K
			I	20	HF-61K	HF-61K
		1/8	II	15	HF-55K	HF-55K
			I	14	HF-64K	HF-64K
		1/16	II	9	HF-58K	HF-58K
			I	8	HF-67K	HF-67K



RECOMMENDED CHASSIS CUT-OUT

31

relay sockets

ELECTRICAL

- Wire Size: One #20 AWG
- Solder Cup Type: Two #20 AWG or Three #22 AWG
- Turret Type: Two #20 AWG or Three #22 AWG
- Eyelet Type: One AMP ?3?? Taper Receptacle
- Current Rating: 7.5 Amperes
- Withstanding Voltage:
 - Contact to Contact Sea Level: 1800 VRMS Minimum
 - Contact to Ground Sea Level: 3300 VRMS Minimum
 - Contact to Contact 70,000 Ft.: 450 VRMS Minimum
 - Contact to Ground 70,000 Ft.: 675 VRMS Minimum

MECHANICAL

- Creepage Between Contacts: 0.12 Minimum
- Air Space Between Contacts: 0.06 Minimum
- Contacts to Accept 0.040 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

- Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

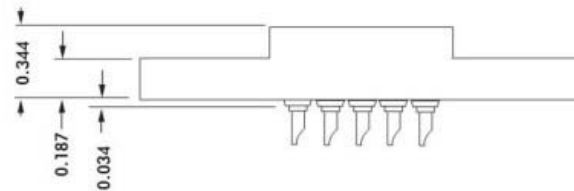
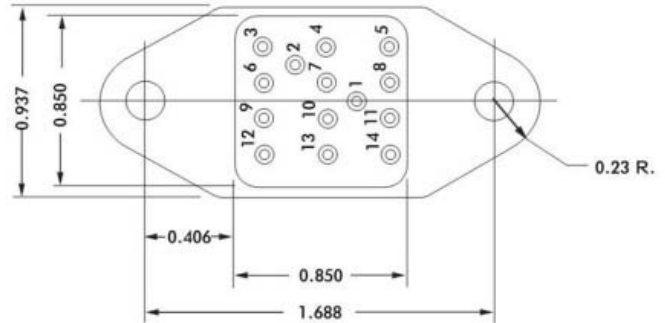
- Choice of MIL Approved Thermosetting Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C

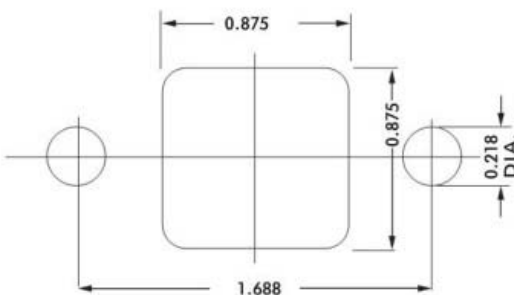
Weight of Socket with Mountings: 1.10 oz.

Questions? Contact Armel Electronics at: 1.800.840.0666

HRB SERIES



CONTACT DATA	CHASSIS MOUNTING DATA				
	CHASSIS THICKNESS	X-DIMENSION	X		
			BELOW CHASSIS	ABOVE CHASSIS	
 SOLDER CUP	$\frac{1}{16}$	.12		HRB-1	HRB-2
	$\frac{3}{32}$	.09		HRB-31	HRB-32
	$\frac{1}{8}$	.06	HRB-41		HRB-42
 EYELET	$\frac{1}{16}$	.12		HRB-5	HRB-6
	$\frac{3}{32}$	.09		HRB-35	HRB-36
	$\frac{1}{8}$	.06	HRB-45		HRB-46
 TURRET	$\frac{1}{16}$	.12		HRB-3	HRB-4
	$\frac{3}{32}$	.09		HRB-33	HRB-34
	$\frac{1}{8}$	.06	HRB-43		HRB-44
 TAPER PIN	$\frac{1}{16}$	.12		HRB-7	HRB-8
	$\frac{3}{32}$	.09		HRB-37	HRB-38
	$\frac{1}{8}$	.06	HRB-47		HRB-48



RECOMMENDED CHASSIS CUT-OUT

ELECTRICAL

- Wire Size:
- Solder Cup Type One #20 AWG
- Turret Type Two #20 AWG or Three #22 AWG
- Eyelet Type Two #20 AWG or Three #22 AWG
- Taper Type One AMP ?37? Taper Receptacle
- Current Rating 7.5 Amperes
- Withstanding Voltage:
 - Contact to Contact Sea Level 2700 VRMS Minimum
 - Contact to Ground Sea Level 5400 VRMS Minimum
 - Contact to Contact 70,000 Ft. 560 VRMS Minimum
 - Contact to Ground 70,000 Ft. 975 VRMS Minimum

MECHANICAL

- Creepage Between Contacts 0.16 Minimum
- Air Space Between Contacts 0.09 Minimum
- Contacts to Accept 0.040 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

- Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

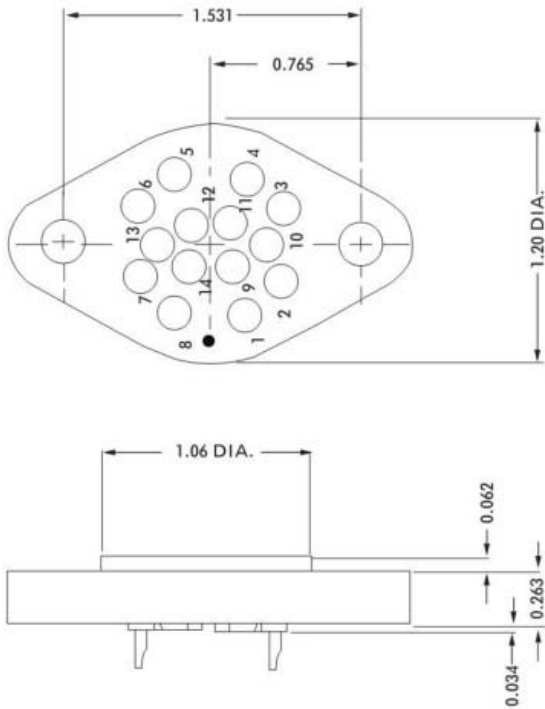
- Choice of **MIL Approved** Thermosetting Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C

Weight of Socket with Mountings: 0.96 oz.



HRSB SERIES



ELECTRICAL

Wire Size:

- Solder Cup Type One #20 AWG
- Eyelet Type Two #20 AWG or Three #22 AWG

Current Rating 7.5 Amperes

Withstanding Voltage:

- Contact to Contact Sea Level 2700 VRMS Minimum
- Contact to Ground Sea Level 2700 VRMS Minimum
- Contact to Contact 70,000 Ft. 560 VRMS Minimum
- Contact to Ground 70,000 Ft. 560 VRMS Minimum

MECHANICAL

- Creepage Between Contacts 0.16 Minimum
- Air Space Between Contacts 0.10 Minimum
- Contacts to Accept 0.040 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

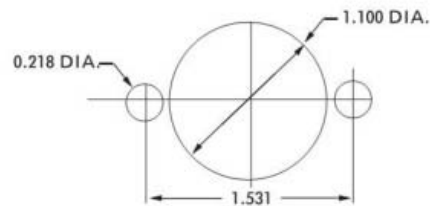
- Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

- Choice of "MIL Approved" Thermosetting Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C
 Weight of Socket with Mountings: 0.95 oz.

CONTACT DATA	CHASSIS MOUNTING DATA				
	CHASSIS THICKNESS	X-DIMENSION	MOUNTING TYPE		
			BELOW CHASSIS	BELOW CHASSIS	ABOVE CHASSIS
 SOLDER CUP	1/16	.12		HRSB - 1K	
	7/32	.09		HRSB - 31K	
	1/8				
 EYELET	1/16	.12		HRSB - 5K	HRSB - 6K
	7/32	.09		HRSB - 35K	
	1/8	.06	HRSB - 45K		
 STRAIGHT	1/16	.12		HRSB - 4K	HRSB - 10K
	7/32				
	1/8				



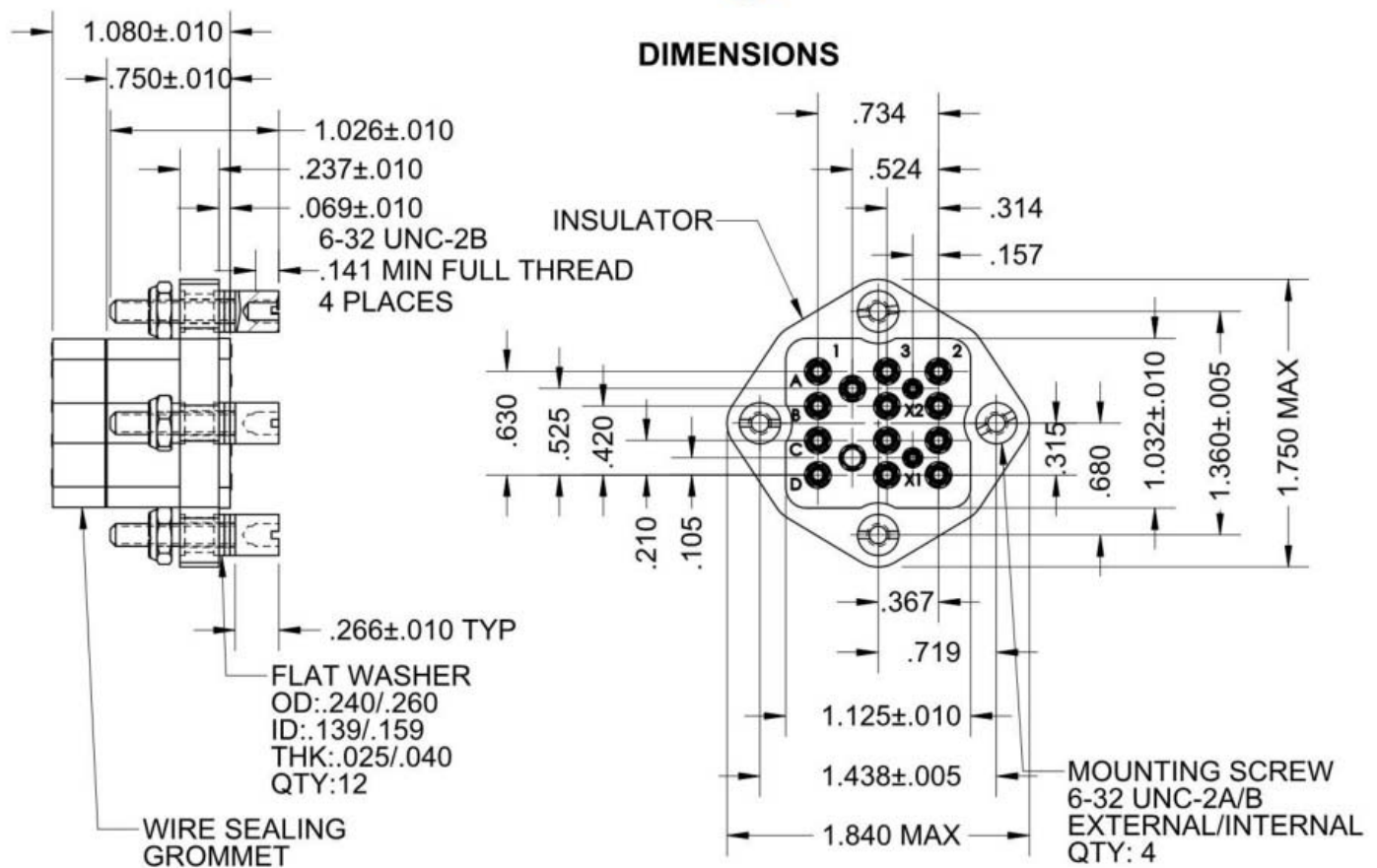
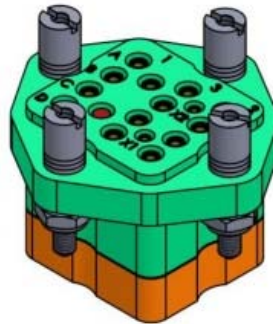
RECOMMENDED CHASSIS CUT-OUT

Questions? Contact Armel Electronics at: 1.800.840.0666



HRGD SERIES

FOR USE WITH MS27254-1 & -2 RELAYS FEATURING CRIMP, REMOVABLE CONTACTS AND POLARIZING KEY



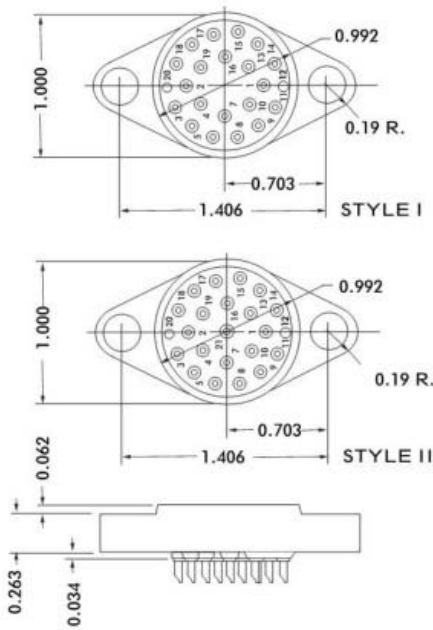
UNLESS OTHERWISE SPECIFIED, TOLERANCES FOR .XXX ARE ± .003

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 35

Questions? Contact Armel Electronics at: 1.800.840.0666



HR SERIES



CONTACT DATA	CHASSIS MOUNTING DATA					
	CHASSIS THICKNESS	STYLE	NO OF CONTACTS	MOUNTING TYPES		
				BELOW CHASSIS	BELOW CHASSIS	ABOVE CHASSIS
SOLDER CUP	1/16	II	21	HR-50		HR-50
			20	HR-59		HR-59
	3/32	II	21		HR-350	
			20		HR-359	
	1/8	II	15	HR-53		HR-53
			14	HR-62		HR-62
1/16	II	9	HR-56		HR-56	
		8	HR-65		HR-65	
TURRET	1/16	II	21	HR-51		HR-51
			20	HR-60		HR-60
	3/32	II	21		HR-351	
			20		HR-360	
	1/8	II	15	HR-54		HR-54
			14	HR-63		HR-63
1/16	II	9	HR-57		HR-57	
		8	HR-66		HR-66	
EYELET	1/16	II	21	HR-52		HR-52
			20	HR-61		HR-61
	3/32	II	21		HR-352	
			20		HR-361	
	1/8	II	15	HR-55		HR-55
			14	HR-64		HR-64
1/16	II	9	HR-58		HR-58	
		8	HR-67		HR-67	
TAPER PIN	1/16	II	21	HR-68		HR-68
			20	HR-71		HR-71
	3/32	II	21			
			20			
	1/8	II	15			
			14			
1/16	II	9				
		8				

ELECTRICAL

- Wire Size:
- Solder Cup Type One #20 AWG
 - Turret Type Two #20 AWG or Three #22 AWG
 - Eyelet Type Two #20 AWG or Three #22 AWG
 - Taper Type One AMP ?37? Taper Receptacle

- Current Rating 7.5 Amperes
- Withstanding Voltage:
- Contact to Contact Sea Level 1800 VRMS Minimum
 - Contact to Ground Sea Level 3300 VRMS Minimum
 - Contact to Contact 70,000 Ft. 450 VRMS Minimum
 - Contact to Ground 70,000 Ft. 675 VRMS Minimum

MECHANICAL

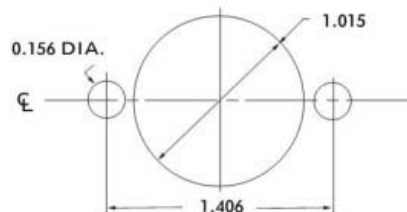
- Creepage Between Contacts 0.12 Minimum
- Air Space Between Contacts 0.06 Minimum
- Contacts to Accept 0.040 ± 0.001 DIA. Pins

- Contacts:
- Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper
 - Gold Plated over Copper or Nickel Plate

- Mounting Hardware:
- Special Studs, Screws, Lockwashers, and Nuts

- Insulation Material:
- Choice of MIL Approved Thermosetting Insulations (See Page 45)

- Temperature Ratings: -65°C to +125°C
- Weight of Socket with Mountings: 0.65 oz.

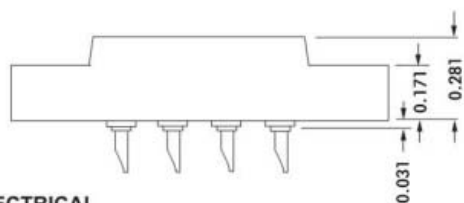
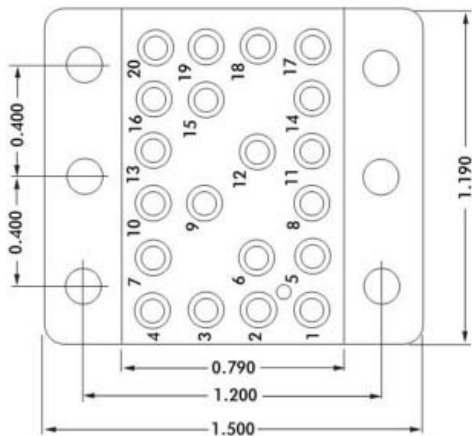


RECOMMENDED CHASSIS CUT-OUT

Questions? Contact Armel Electronics at: 1.800.840.0666



HRCK SERIES



ELECTRICAL

- Wire Size:
- Solder Cup Type One #20 AWG
 - Eyelet Type Two #20 AWG or Three #22 AWG
- Current Rating 3 Amperes
- Withstanding Voltage:
- Contact to Contact Sea Level 2700 VRMS Minimum
 - Contact to Ground Sea Level 3300 VRMS Minimum
 - Contact to Contact 70,000 Ft.560 VRMS Minimum
 - Contact to Ground 70,000 Ft.675 VRMS Minimum

MECHANICAL

- Creepage Between Contacts 0.17 Minimum
- Air Space Between Contacts 0.11 Minimum
- Contacts to Accept 0.030 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

- Special Studs, Screws, Lockwashers, and Nuts

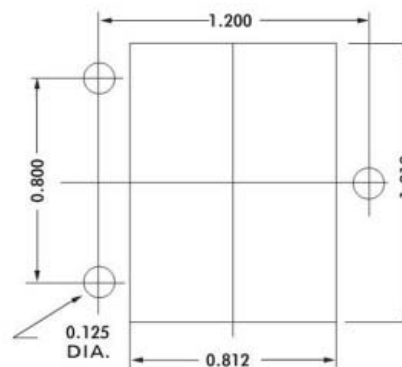
Insulation Material:

- Choice of **MIL Approved** Thermosetting Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C

Weight of Socket with Mountings: 0.60 oz.

CONTACT DATA	CHASSIS MOUNTING DATA					
	CHASSIS THICKNESS	X-DIMENSION	BELOW CHASSIS	BELOW CHASSIS	ABOVE CHASSIS	
OPEN ENTRY	SOLDER CUP	1/16	.17	HRCK-1		HRCK-2
		3/32	.14		HRCK-31	HRCK-32
		1/8	.12		HRCK-41	HRCK-42
	EYELET	1/16	.17	HRCK-5		HRCK-6
		3/32	.14		HRCK-35	HRCK-36
		1/8	.12		HRCK-45	HRCK-46
STRAIGHT	1/16				HRCK-4	
	3/32				HRCK-34	
	1/8					
CLOSE ENTRY	SOLDER CUP	1/16	.17	HRCK-1K		HRCK-2K
		3/32	.14		HRCK-31K	HRCK-32K
		1/8	.12		HRCK-41K	HRCK-42K
	EYELET	1/16	.17	HRCK-5K		HRCK-6K
		3/32	.14		HRCK-35K	HRCK-36K
		1/8	.12		HRCK-45K	HRCK-46K
STRAIGHT	1/16				HRCK-4K	
	3/32					
	1/8					



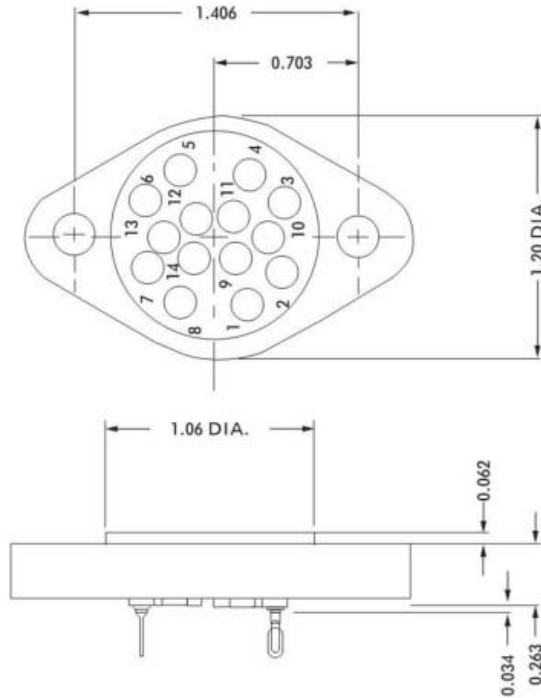
RECOMMENDED CHASSIS CUT-OUT

Questions? Contact Armel Electronics at: 1.800.840.0666

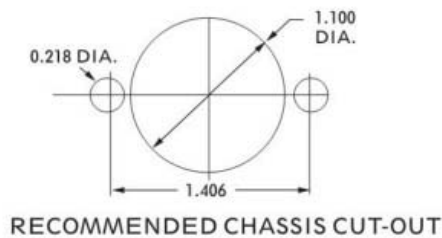
relay sockets

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HRSA SERIES



CONTACT DATA	CHASSIS MOUNTING DATA				
	CHASSIS THICKNESS	X-DIMENSION	BELOW CHASSIS		ABOVE CHASSIS
SOLDER CUP	1/16	.12		HRSA - 1K	
	3/32	.09		HRSA - 31K	
EYELET	1/8	.06	HRSA - 41K		
	1/16	.12		HRSA - 5K	HRSA - 6K
STRAIGHT	3/32	.09		HRSA - 35K	
	1/8	.06	HRSA - 45K		
STRAIGHT	1/16				HRSA - 10K
	3/32				
	1/8				



ELECTRICAL

Wire Size:

- Solder Cup Type One #20 AWG
- Eyelet Type Two #20 AWG or Three #22 AWG

Current Rating 7.5 Amperes

Withstanding Voltage:

- Contact to Contact Sea Level 2700 VRMS Minimum
- Contact to Ground Sea Level 2700 VRMS Minimum
- Contact to Contact 70,000 Ft. 560 VRMS Minimum
- Contact to Ground 70,000 Ft. 560 VRMS Minimum

MECHANICAL

- Creepage Between Contacts 0.16 Minimum
- Air Space Between Contacts 0.10 Minimum
- Contacts to Accept 0.040 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

- Special Studs, Screws, Lockwashers, and Nuts

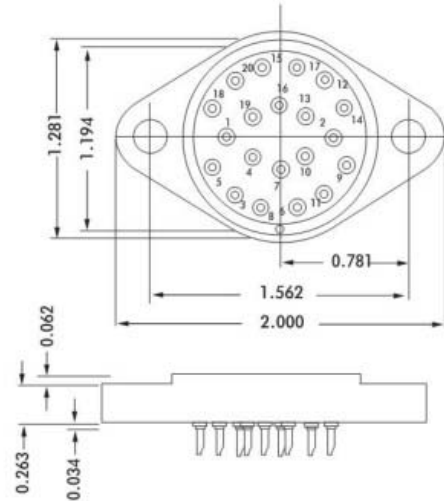
Insulation Material:

- Choice of "MIL Approved" Thermosetting Insulations (See Page 45)

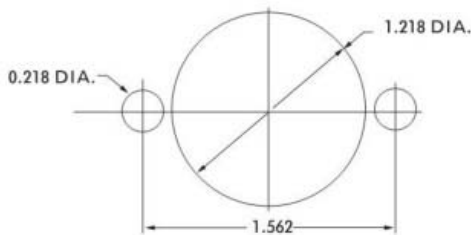
Temperature Ratings: -65°C to +125°C

Weight of Socket with Mountings: 0.95 oz.

HRSE SERIES



CONTACT DATA	CHASSIS MOUNTING DATA				
	CHASSIS THICKNESS	X-DIMENSION	BELOW CHASSIS	BELOW CHASSIS	ABOVE CHASSIS
 SOLDER CUP	$\frac{3}{16}$	.12		HRSE - 1	HRSE - 2
	$\frac{3}{32}$	.09		HRSE - 31	HRSE - 32
	$\frac{1}{8}$	.06	HRSE - 41		HRSE - 42
 EYELET	$\frac{1}{16}$	.12		HRSE - 5	HRSE - 6
	$\frac{3}{32}$	.09		HRSE - 35	HRSE - 36
	$\frac{1}{8}$	.06	HRSE - 45		HRSE - 46
 TURRET	$\frac{1}{16}$	.12		HRSE - 3	HRSE - 4
	$\frac{3}{32}$	.09		HRSE - 33	HRSE - 34
	$\frac{1}{8}$	.06	HRSE - 43		HRSE - 44
 TAPER PIN	$\frac{1}{16}$	.12		HRSE - 7	HRSE - 8
	$\frac{3}{32}$	.09		HRSE - 37	HRSE - 38
	$\frac{1}{8}$	.06	HRSE - 47		HRSE - 48



RECOMMENDED CHASSIS CUT-OUT

ELECTRICAL

Wire Size:

- Solder Cup Type One #20 AWG
- Turret Type Two #20 AWG or
Three #22 AWG
- Eyelet Type Two #20 AWG or
Three #22 AWG
- Taper Type One AMP "37" Taper
Receptacle

Current Rating 7.5 Amperes

Withstanding Voltage:

- Contact to Contact Sea Level 2700 VRMS Minimum
- Contact to Ground Sea Level 2700 VRMS Minimum
- Contact to Contact 70,000 Ft. 560 VRMS Minimum
- Contact to Ground 70,000 Ft. 560 VRMS Minimum

MECHANICAL

- Creepage Between Contacts 0.16 Minimum
- Air Space Between Contacts 0.09 Minimum
- Contacts to Accept 0.040 ±0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or
Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

- Special Studs, Screws, Lockwashers, and Nuts

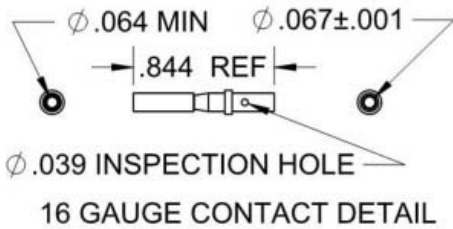
Insulation Material:

- Choice of "MIL Approved" Thermosetting
Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C

Weight of Socket with Mountings: 0.96 oz.

HRGD SERIES



SPECIFICATIONS

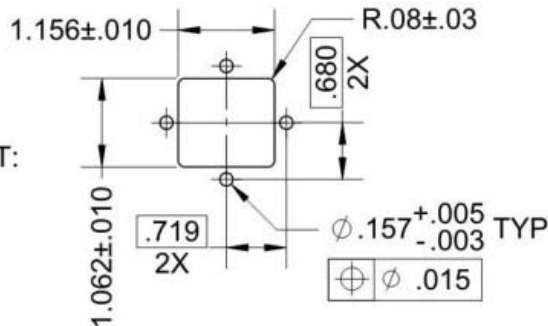
ELECTRICAL

Current Rating.....10 Amperes
 Dielectric Withstanding Voltage.....
 Contact to Contact
 Sea Level.....1500 VRMS @ 60 Hz

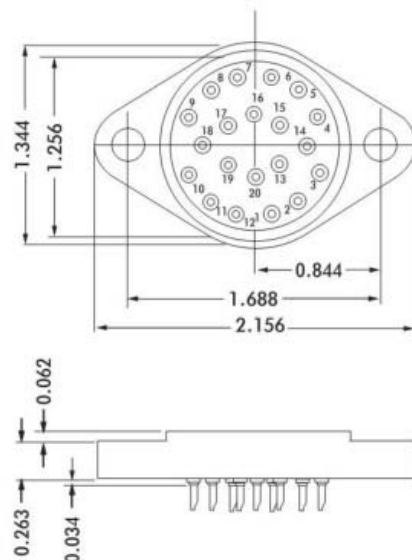
MECHANICAL

Contact Mating Pin Size.....14@ $\phi .062 \pm .001$, 2@ $\phi .040 \pm .001$
 Wiring Terminal Accommodation.....14@ 16 AWG, 2@ 20 AWG
 Contact Material & Finish.....Per Mil-C-39029/32-242 for $\phi .040 \pm .001$ & Mil-C-39029/32-247 for $\phi .062 \pm .001$ Mating Pin Size
 Contact Plug Material & Finish.....Aluminum Alloy, 6061-T6511 Per AMS-QQ-A-200/8, Anodized Per MIL-A-8625, Type II, Class 2, Color: Red
 16 & 20 Gauge Contact Retaining Clips Material and Finish.....Beryllium Copper Alloy 173, Heat Treated To Condition HT
 Mounting Screw Insert Material and Finish.....Brass, C36000, H02 Per ASTM B-36, Nickel Flash, .0001 Inches Minimum Thickness
 Lock Nuts Material & Finish.....Per NASM21083-C06
 All Other Metal Hardware Material & Finish.....CRES Per ASTM A582, Type 303, Passivated Per AMS2700
 Wire Sealing Grommet Material & Finish.....SILASTIC® FL 45-9001, Color: Orange
 Insulation Material.....Short Glass Fiber Filled Diallyl Phthalate per ASTM D5948, Type SDG-F, Color: Green
 Grommet/Insulator Adhesive.....Q4-2817 Fluorosilicone Sealant
 Contact Crimping Tool.....M22520/1-01
 Contact Installation Tool.....For M39029/32-242 Use M81969/17-03, For M39029/32-247 Use M81969/17-04.
 Contact Removal Tool.....For M39029/32-242 Use M81969/19-07, For M39029/32-247 Use M81969/19-08.

RECOMMENDED CHASSIS CUT-OUT:



HRL SERIES



CONTACT DATA	CHASSIS MOUNTING DATA			
	CHASSIS THICKNESS	X-DIMENSION	X	
			BELOW CHASSIS	BELOW CHASSIS	ABOVE CHASSIS
 SOLDER CUP	$\frac{1}{16}$	.12	HRL - 1	HRL - 2
	$\frac{3}{32}$	.09	HRL - 31	HRL - 32
	$\frac{1}{8}$	.06	HRL - 41	HRL - 42
 EYELET	$\frac{1}{16}$	.12	HRL - 5	HRL - 6
	$\frac{3}{32}$	.09	HRL - 35	HRL - 36
	$\frac{1}{8}$	.06	HRL - 45	HRL - 46
 TURRET	$\frac{1}{16}$	.12	HRL - 3	HRL - 4
	$\frac{3}{32}$	.09	HRL - 33	HRL - 34
	$\frac{1}{8}$	.06	HRL - 43	HRL - 44
 TAPER PIN	$\frac{1}{16}$		HRL - 7	HRL - 8
	$\frac{3}{32}$		HRL - 37	HRL - 38
	$\frac{1}{8}$		HRL - 47	HRL - 48
 STRAIGHT	$\frac{1}{16}$			HRL - 54
	$\frac{3}{32}$			
	$\frac{1}{8}$			

ELECTRICAL

Wire Size:

- Solder Cup Type One #20 AWG
- Turret Type Two #20 AWG or Three #22 AWG
- Eyelet Type Two #20 AWG or Three #22 AWG
- Taper Type One AMP "37" Taper Receptacle

Current Rating 7.5 Amperes

Withstanding Voltage:

- Contact to Contact Sea Level 2700 VRMS Minimum
- Contact to Ground Sea Level 3300 VRMS Minimum
- Contact to Contact 70,000 Ft. 560 VRMS Minimum
- Contact to Ground 70,000 Ft. 675 VRMS Minimum

MECHANICAL

- Creepage Between Contacts 0.16 Minimum
- Air Space Between Contacts 0.09 Minimum
- Contacts to Accept 0.040 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

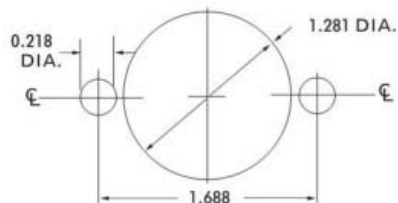
- Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

- Choice of "MIL Approved" Thermosetting Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C

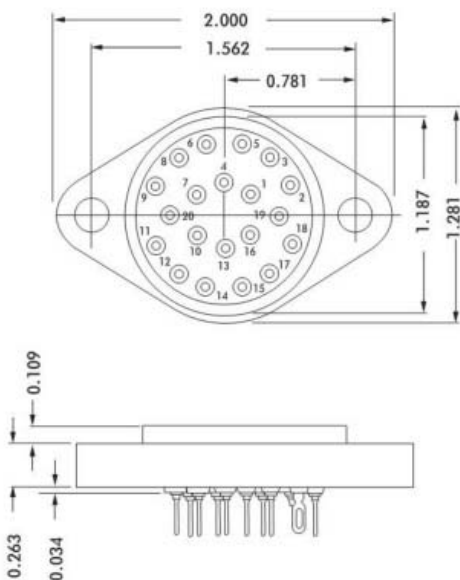
Weight of Socket with Mountings: 0.96 oz.



RECOMMENDED CHASSIS CUT-OUT



HRSS SERIES



ELECTRICAL

Wire Size:

- Solder Cup Type One #20 AWG
- Turret Type Two #20 AWG or Three #22 AWG
- Eyelet Type Two #20 AWG or Three #22 AWG
- Taper Type One AMP "37" Taper Receptacle

Current Rating 7.5 Amperes

Withstanding Voltage:

- Contact to Contact Sea Level 2700 VRMS Minimum
- Contact to Ground Sea Level 2700 VRMS Minimum
- Contact to Contact 70,000 Ft. 560 VRMS Minimum
- Contact to Ground 70,000 Ft. 560 VRMS Minimum

MECHANICAL

- Creepage Between Contacts 0.16 Minimum
- Air Space Between Contacts 0.09 Minimum
- Contacts to Accept 0.040 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

- Special Studs, Screws, Lockwashers, and Nuts

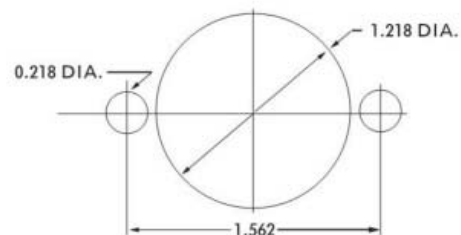
Insulation Material:

- Choice of "MIL Approved" Thermosetting Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C

Weight of Socket with Mountings: 0.96 oz.

CONTACT DATA	CHASSIS MOUNTING DATA				
	CHASSIS THICKNESS	X-DIMENSION	X		
			BELOW CHASSIS	BELOW CHASSIS	ABOVE CHASSIS
	1/16	.12		HRSS - 1	HRSS - 2
	3/32	.09		HRSS - 31	HRSS - 32
	1/8	.06	HRSS - 41		HRSS - 42
	1/16	.12		HRSS - 5	HRSS - 6
	3/32	.09		HRSS - 35	HRSS - 36
	1/8	.06	HRSS - 45		HRSS - 46
	1/16	.12		HRSS - 3	HRSS - 4
	3/32	.09		HRSS - 33	HRSS - 34
	1/8	.06	HRSS - 43		HRSS - 44
	1/16				
	3/32				
	1/8				
	1/16				HRSS - 210
	3/32				
	1/8				HRSS - 2910



RECOMMENDED CHASSIS CUT-OUT

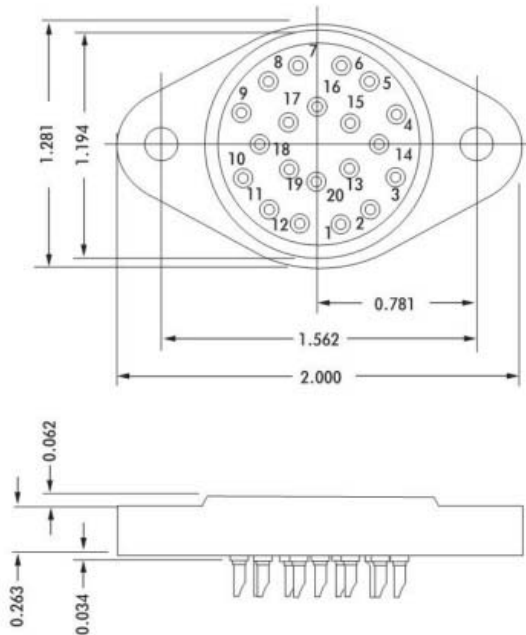
Questions? Contact Armel Electronics at: 1.800.840.0666

relay sockets

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HRS SERIES



ELECTRICAL

- Wire Size:
 - Solder Cup Type One #20 AWG
 - Turret Type Two #20 AWG or Three #22 AWG
 - Eyelet Type Two #20 AWG or Three #22 AWG
 - Taper Type One AMP "37" Taper Receptacle
- Current Rating 7.5 Amperes
- Withstanding Voltage:
 - Contact to Contact Sea Level 2700 VRMS Minimum
 - Contact to Ground Sea Level 2700 VRMS Minimum
 - Contact to Contact 70,000 Ft. 560 VRMS Minimum
 - Contact to Ground 70,000 Ft. 560 VRMS Minimum

MECHANICAL

- Creepage Between Contacts 0.16 Minimum
- Air Space Between Contacts 0.09 Minimum
- Contacts to Accept 0.040 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

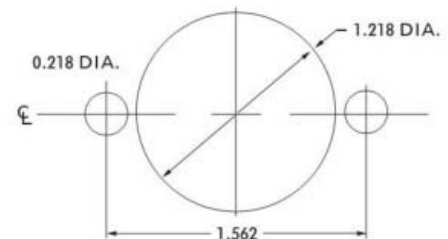
- Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

- Choice of "MIL Approved" Thermosetting Insulations (See Page 45)

- Temperature Ratings: -65°C to +125°C
- Weight of Socket with Mountings: 0.96 oz.

CONTACT DATA	CHASSIS MOUNTING DATA			
	CHASSIS THICKNESS	X-DIMENSION	CONTACT MOUNTING	
			BELOW CHASSIS	ABOVE CHASSIS
SOLDER CUP	1/16	.12	HRS - 1	HRS - 2
	3/32	.09	HRS - 31	HRS - 32
	1/8	.06	HRS - 41	HRS - 42
EYELET	1/16	.12	HRS - 5	HRS - 6
	3/32	.09	HRS - 35	HRS - 36
	1/8	.06	HRS - 45	HRS - 46
TURRET	1/16	.12	HRS - 3	HRS - 4
	3/32	.09	HRS - 33	HRS - 34
	1/8	.06	HRS - 43	HRS - 44
TAPER PIN	1/16	.12	HRS - 7	HRS - 8
	3/32	.09	HRS - 37	HRS - 38
	1/8	.06	HRS - 47	HRS - 48
STRAIGHT	1/16			HRS - 10
	3/32			
	1/8			

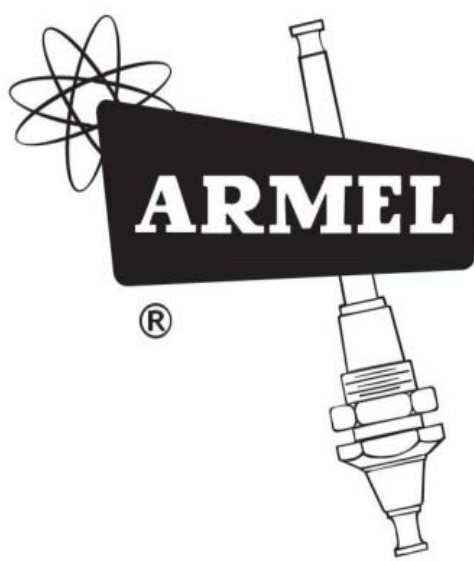
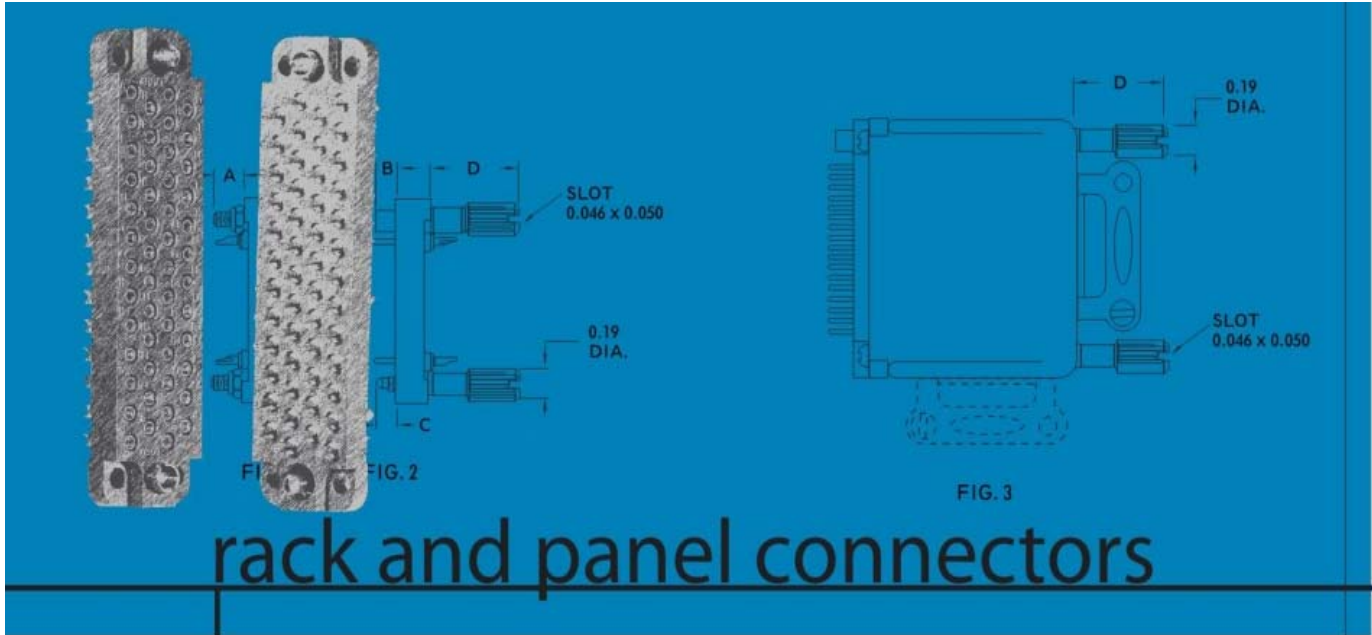


RECOMMENDED CHASSIS CUT-OUT

Questions? Contact Armel Electronics at: 1.800.840.0666

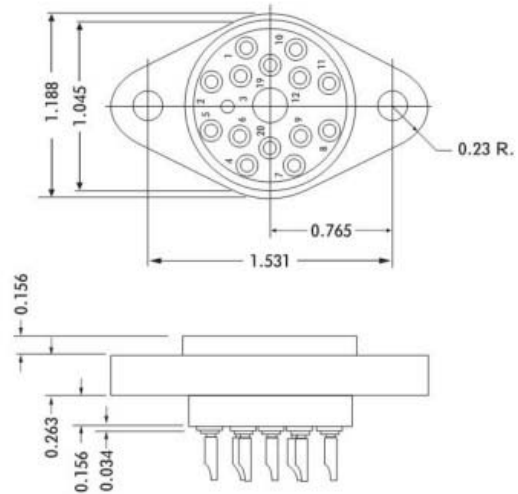
relay sockets



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Connectors

HRHA SERIES



CONTACT DATA	CHASSIS MOUNTING DATA				
	CHASSIS THICKNESS	X-DIMENSION	BELOW CHASSIS		ABOVE CHASSIS
			BELOW CHASSIS	BELOW CHASSIS	ABOVE CHASSIS
 SOLDER CUP	1/16	.09		HRHA - 1	HRHA - 2
	3/32	.06	HRHA - 31		HRHA - 32
 TURRET	1/16	.09			HRHA - 42
	3/32	.06			

ELECTRICAL

Wire Size:

- Solder Cup Type One #16 AWG
- Turret Type Two #16 AWG or
Three #20 AWG

Current Rating 13 Amperes

Withstanding Voltage:

- Contact to Contact Sea Level 1500 VRMS Minimum
- Contact to Ground Sea Level 2700 VRMS Minimum
- Contact to Contact 70,000 Ft. 375 VRMS Minimum
- Contact to Ground 70,000 Ft. 560 VRMS Minimum

MECHANICAL

- Creepage Between Contacts 0.11 Minimum
- Air Space Between Contacts 0.05 Minimum
- Contacts to Accept 0.062 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or
- Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:

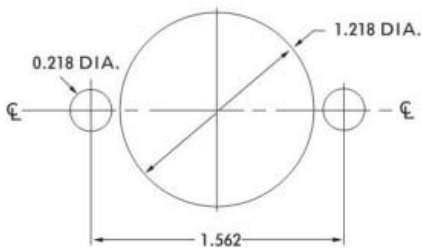
- Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

- Choice of "MIL Approved" Thermosetting Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C

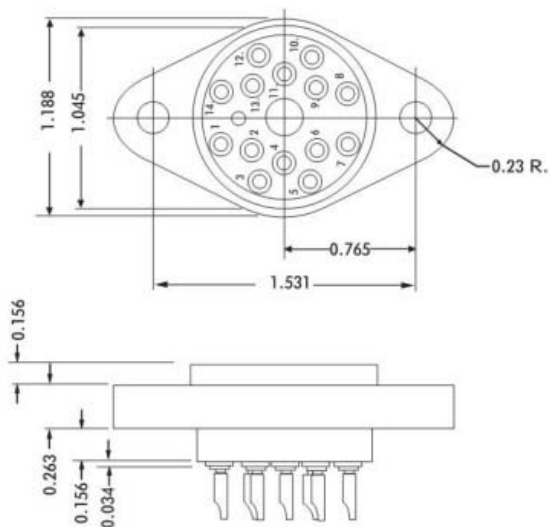
Weight of Socket with Mountings: 1.39 oz.



RECOMMENDED CHASSIS CUT-OUT



HRH SERIES



ELECTRICAL

Wire Size:

- Solder Cup Type One #16 AWG or Two #20 AWG
- Turret Type Two #20 AWG or Three #20 AWG

Current Rating 13 Amperes

Withstanding Voltage:

- Contact to Contact Sea Level 1500 VRMS Minimum
- Contact to Ground Sea Level 2700 VRMS Minimum
- Contact to Contact 70,000 Ft. 375 VRMS Minimum
- Contact to Ground 70,000 Ft. 560 VRMS Minimum

MECHANICAL

- Creepage Between Contacts 0.11 Minimum
- Air Space Between Contacts 0.05 Minimum
- Contacts to Accept 0.062 ± 0.001 DIA. Pins

Contacts:

- Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper
- Gold Plated over Copper or Nickel Plate

Mounting Hardware:




- Special Studs, Screws, Lockwashers, and Nuts

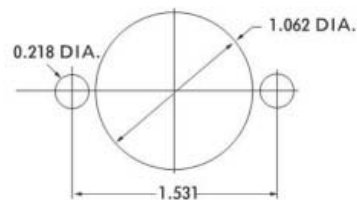
Insulation Material:

- Choice of "MIL Approved" Thermosetting Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C

Weight of Socket with Mountings: 1.39 oz.

CONTACT DATA	CHASSIS MOUNTING DATA		
	CHASSIS THICKNESS	X-DIMENSION	
 SOLDER CUP	1/16	.12	HRH - 1 HRH - 2
	3/32	.09	HRH - 31 HRH - 32
	1/8	.06	HRH - 41 HRH - 42
 TURRET	1/16	.12	HRH - 3 HRH - 4
	3/32	.09	HRH - 33 HRH - 34
	1/8	.06	HRH - 43 HRH - 44
 WIRE WRAP	1/16	.12	HRH - 9
	3/32		
	1/8		



RECOMMENDED CHASSIS CUT-OUT

Questions? Contact Armel Electronics at: 1.800.840.0666

relay sockets

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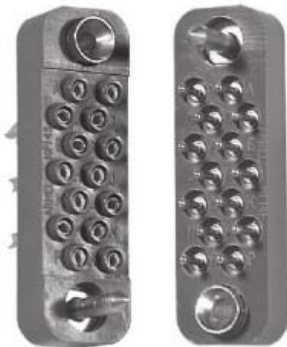
MP SERIES



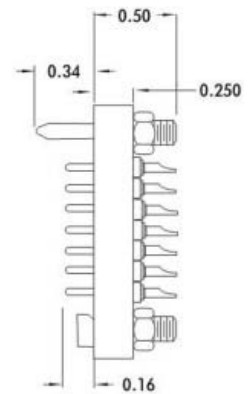
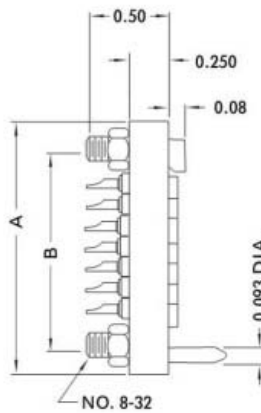
MP6SJV2 MP6PJV2



MP10SJV2 MP10PJV2



MP14SJV2 MP14PJV2



MP14S



MP10S



MP6S

TERMINAL IDENTIFICATION
(VIEWED FROM WIRING END OF
FEMALE CONNECTOR)

Part No.	Type	No. Of Contacts	Weight	Dimensions	
				A	B
MP6SJV2	RECEPTACLE	6	0.25 oz.	1.00	0.687
MP6PJV2	PLUG		0.27 oz.		
MP10SJV2	RECEPTACLE	10	0.30 oz.	1.25	0.937
MP10PJV2	PLUG		0.32 oz.		
MP14SJV2	RECEPTACLE	14	0.32 oz.	1.50	1.188
MP14PJV2	PLUG		0.40 oz.		

FOR HOODS SEE PAGE 08

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 09

DP SERIES



SPECIFICATIONS

Listed below are the general specifications applicable to the illustrated series of DP rack and panel connectors.

ELECTRICAL

Current Rating	5 Amperes
Solder Pot Accommodation	One #20 AWG Wire
Dielectric-Withstanding Voltage	
Contact to Contact Sea Level	2250 VRMS Minimum
Contact to Contact 70,000 Ft	500 VRMS Minimum

MECHANICAL

Contact Diameter	0.040
Creepage Between Contacts	0.17 Minimum
Air Space Between Contacts	0.06 Minimum
Polarization	Guide Pins and Contact Arrangement
Male Contacts and Guide Pins	Brass, Gold Plated over Copper or Nickel Plate.
Female Contacts and Guide Sockets	Phosphor Bronze, Grade "A" Spring Tempered, Gold Plated over Copper or Nickel Plate.
Insulation Material	Choice of other "Mil Approved" Thermosetting Insulations. (See Page 18)
Temperature Range	-65°C to +125°C



CONNECTOR INDEX

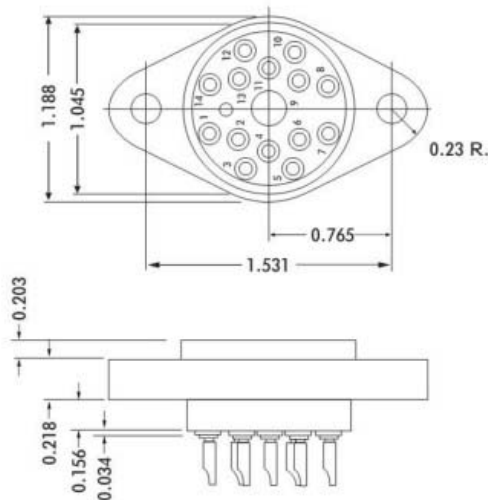
The rack and panel connectors produced by Armel Electronics, Inc. have been designed to comply with the highest performance requirements for aircraft, communication, and other electronic systems. Rigorous, in-process inspections and stringent quality control requirements have guaranteed the required performance.

These connectors, designed for today's applications, offer proof of our capability to design connectors for your specific requirement.

STYLE	PART	PAGE
"D" SERIES SUB-MINIATURE	11 14 20 26	1
	34 42 50	2
	HOODS	3
	LOCKING DEVICES	4
	SPECIFICATIONS	5
"MP" SERIES MINIATURE	6 10 14	6
	18 22	7
	HOODS	8
	SPECIFICATIONS	9
"DP" SERIES MINIATURE	SPECIFICATIONS	10
	14 20	11
"SN" SERIES POWER	SPECIFICATIONS	12
	7 11	13
"SP" SERIES POWER	SPECIFICATIONS	14
	11 17	15
"SMP" SERIES	14, SPECIFICATIONS	16
"PCPCP" SERIES	3S 3AS 4S 5S	17
	3P 3AP 4P 5P	18
	S SPECIFICATIONS	19
	P SPECIFICATIONS	20
"TR39P1" SERIES	39	21
	SPECIFICATIONS	22
GENERAL SPECIFICATIONS		
	INSULATION MATERIAL	23



HRHF SERIES



ELECTRICAL

Wire Size:
 Solder Cup Type One #16 AWG or Two #20 AWG
 Turret Type Two #16 AWG or Three #20 AWG
 Current Rating 13 Amperes
 Withstanding Voltage:
 Contact to Contact Sea Level 1500 VRMS Minimum
 Contact to Ground Sea Level 2700 VRMS Minimum
 Contact to Contact 70,000 Ft.375 VRMS Minimum
 Contact to Ground 70,000 Ft.560 VRMS Minimum

MECHANICAL

Creepage Between Contacts 0.11 Minimum
 Air Space Between Contacts 0.05 Minimum
 Contacts to Accept 0.062 ± 0.001 DIA. Pins

Contacts:

Spring Temper Grade "A" Phosphor Bronze, or Heat Treated Beryllium Copper
 Gold Plated over Copper or Nickel Plate

Mounting Hardware:

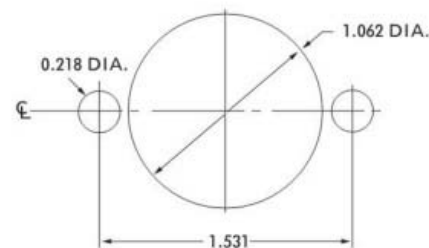
Special Studs, Screws, Lockwashers, and Nuts

Insulation Material:

Choice of "MIL Approved" Thermosetting Insulations (See Page 45)

Temperature Ratings: -65°C to +125°C
 Weight of Socket with Mountings: 1.39 oz.

CONTACT DATA	CHASSIS MOUNTING DATA				
	CHASSIS THICKNESS	X-DIMENSION	MOUNTING TYPES		
			BELOW CHASSIS	BELOW CHASSIS	ABOVE CHASSIS
 SOLDER CUP	1/16	.12		HRHF - 21	HRHF - 22
	3/32	.09	HRHF - 31		HRHF - 32
 TURRET	1/8	.06	HRHF - 41		HRHF - 42
	1/16	.12		HRHF - 23	HRHF - 24
 TURRET	3/32	.09	HRHF - 33		HRHF - 34
	1/8	.06	HRHF - 43		HRHF - 44



RECOMMENDED CHASSIS CUT-OUT

Questions? Contact Armel Electronics at: 1.800.840.0666

SN SERIES



SPECIFICATIONS

Listed below are the general specifications applicable to the illustrated series of SN rack and panel connectors.

ELECTRICAL

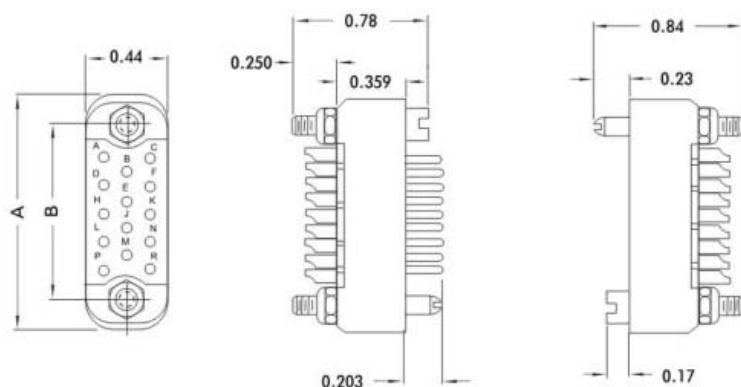
Current Rating	10 Amperes
Solder Pot Accommodation	One #16 AWG Wire
Dielectric-Withstanding Voltage Contact to Contact Sea Level	2700 VRMS Minimum 560 VRMS Minimum

MECHANICAL

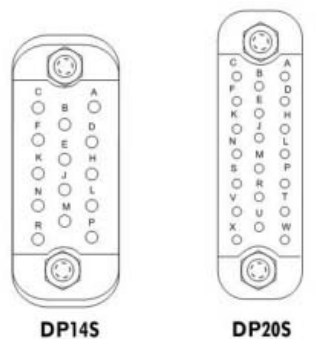
Contact Diameter	0.062
Creepage Between Contacts	0.22 Minimum
Air Space Between Contacts	0.09 Minimum
Polarization	Guide Pins and Contact Arrangement
Male Contacts and Guide Pins	Brass, Gold Plated over Copper or Nickel Plate.
Female Contacts and Guide Sockets	Phosphor Bronze, Grade "A" Spring Tempered, Gold Plated over Copper or Nickel Plate.
Insulation Material	Choice of other "Mil Approved" Thermosetting Insulations. (See Page 18)
Temperature Range	-65°C to +125°C



DP SERIES



DP14SJV2 DP14PJV2



DP14S

DP20S

TERMINAL IDENTIFICATION
(VIEWED FROM WIRING END OF
FEMALE CONNECTOR)



DP20SJV2 DP20PJV2

Part No.	Type	No. Of Contacts	Weight	Dimensions	
				A	B
DP14SJV2	RECEPTACLE	14	0.32 oz.	1.25	0.937
DP14PJV2	PLUG		0.40 oz.		
DP20SJV2	RECEPTACLE	20	0.36 oz.	1.56	1.250
DP20PJV2	PLUG		0.46 oz.		

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 10

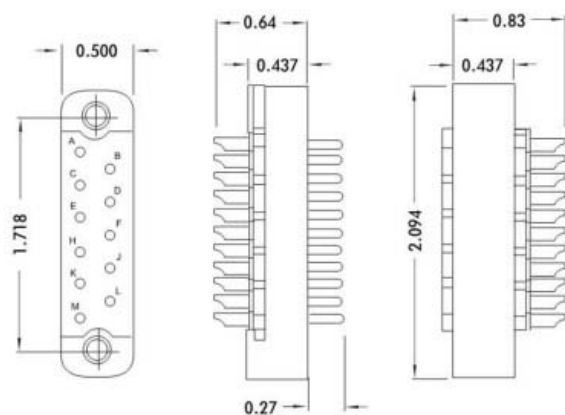
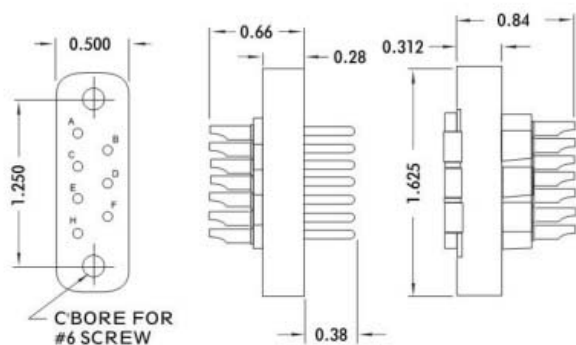
Questions? Contact Armel Electronics at: 1.800.840.0666

connectors

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SN SERIES



SN7SJV2



SN7PJV2



SN11SJV2



SN11PJV2

Part No.	Type	No. Of Contacts	Weight
SN7SJV2	RECEPTACLE	7	0.39 oz.
SN7PJV2	PLUG		0.43 oz.
SN11SJV2	RECEPTACLE	11	0.60 oz.
SN11PJV2	PLUG		0.86 oz.

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 12

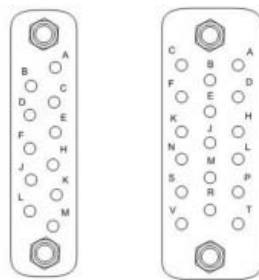
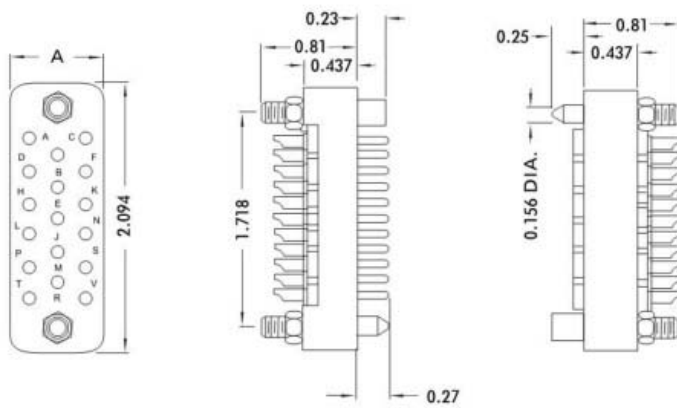
Questions? Contact Armel Electronics at: 1.800.840.0666

connectors

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SP SERIES



SP11S SP17S
 TERMINAL IDENTIFICATION
 (VIEWED FROM WIRING END OF
 FEMALE CONNECTOR)



SP11SJV2

SP11PJV2



SP17SJV2

SP17PJV2

Part No.	Type	No. Of Contacts	Weight	Dimensions
				A
SP11SJV2	RECEPTACLE	11	0.74 oz.	0.500
SP11PJV2	PLUG		0.99 oz.	
SP17SJV2	RECEPTACLE	17	0.98 oz.	0.750
SP17PJV2	PLUG		1.50 oz.	

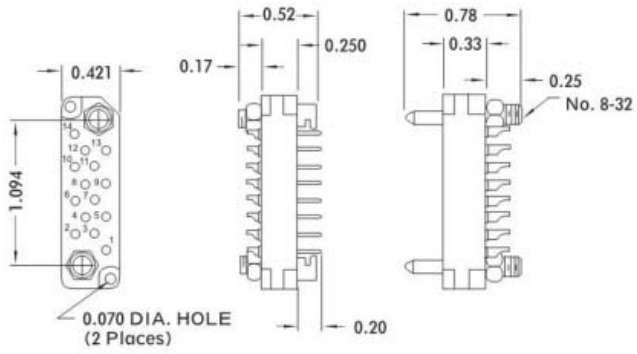
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 14

Questions? Contact Armel Electronics at: 1.800.840.0666

connectors

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SMP SERIES

SPECIFICATIONS

Listed below are the general specifications applicable to the illustrated SMP type connector.

Part No.	Type	No. Of Contacts	Weight	Current Rating (Amps.)	Surface Creepage (Min.)	Air Space (Min.)	Contact Dia.	Solder Cup Accomodation
SMP 14SJV2	RECEPTABLE	14	0.32 oz.	5	0.08	0.08	0.040	ONE #20 AWG WIRE
SMP 14PJV2	PLUG		0.40 oz.					

SMP TYPE

- Dielectric Withstanding Voltage
 - Contact to Contact, Sea Level. 1500 VRMS Minimum
 - Contact to Contact, 70,000 Ft. 375 VRMS Minimum
- Male Contacts and Guide Pins. Brass, Gold Plated over Copper or Nickel Plate
- Female Contacts and Guide Sockets. Phosphor Bronze, Gold Plated over Copper or Nickel Plate



ORDERING INSTRUCTIONS

MATERIAL CERTIFICATIONS

MP6S J V2



SUFFIX 2 CONTACT PLATING
SUFFIX 1 INSULATION MATERIAL
SERIES

SUFFIX 1

- J DIALLYL PHTHALATE, GLASS-FIBER FILLED PER MIL-M-14, TYPE GDI 30F
- L DIALLYL PHTHALATE, GLASS-FIBER FILLED PER MIL-M-14, TYPE SDG-F
- L2 DIALLYL PHTHALATE, GLASS-FIBER FILLED PER MIL-M-14, TYPE SDG-F
COLOR BLACK
- H DIALLYL PHTHALATE, ORLON-FILLED PER MIL-M-14, TYPE SDI-5

SUFFIX 2

- V2 GOLD PLATE (0.00005) PER MIL-G-45204, TYPE II, CLASS 1 OVER COPPER PLATE
- T3 GOLD PLATE (0.00005) PER MIL-G-45204, TYPE II, CLASS 1 OVER NICKEL PLATE
(0.0001) PER QQ-N-290, TYPE VII, CLASS 1 (LOW STRESS NICKEL) OVER
COPPER PLATE PER MIL-C-14550, CLASS 4
OTHER PLATINGS AVAILABLE UPON REQUEST

GENERAL

1. MEET OR EXCEED APPLICABLE REQUIREMENTS OF MIL-C-55302
2. UTILIZE PRECISION MACHINED CONTACTS OF SPRING TEMPER PHOSPHOR BRONZE AND/OR HEAT-TREATED BERYLLIUM COPPER.
3. ALL CONTACTS FREE FLOATING AND SECURELY CONTAINED.
4. CONTACTS GOLD PLATED FOR LOW CONTACT RESISTANCE
5. ADAPTABLE FOR AUTOMATION
6. REDUCES POSSIBILITY OF MOISTURE CONTAMINATION

MATERIAL AND FINISH SPECIFICATIONS

STAINLESS STEEL	QQ-S-763/766 TYPE 303 (NON-MAGNETIC)
COLD ROLL STEEL	QQ-S-640, COMPOSITION CR
BRASS	QQ-B-626
PHOSPHOR BRONZE	QQ-B-750
BERYLLIUM COPPER	QQ-C-533
CADMIUM PLATE	QQ-P-416, TYPE II, CLASS 2
NICKEL PLATE	QQ-N-290, TYPE VII, CLASS 2
PASSIVATE	QQ-P-35 / AMS 2700
HOT TIN DIP	MIL-T-10727, TYPE II

ARMEL ELECTRONICS, INC.
1601 75TH STREET NORTH BERGEN, NJ 07047

WEBSITE WWW.ARMELELECTRONICS.COM

FAX 201-869-4304

E-MAIL INFO@ARMELELECTRONICS.COM

Questions? Contact Armel Electronics at: 1.800.840.0666

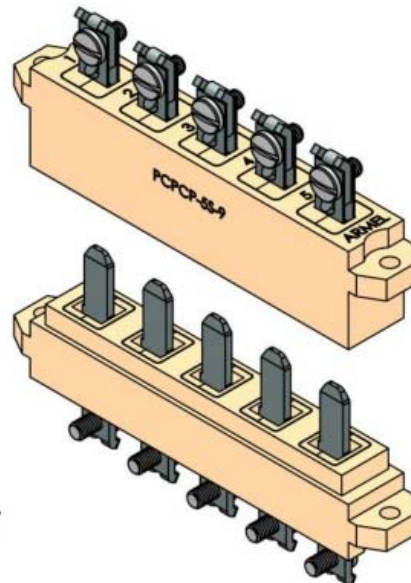
connectors

23

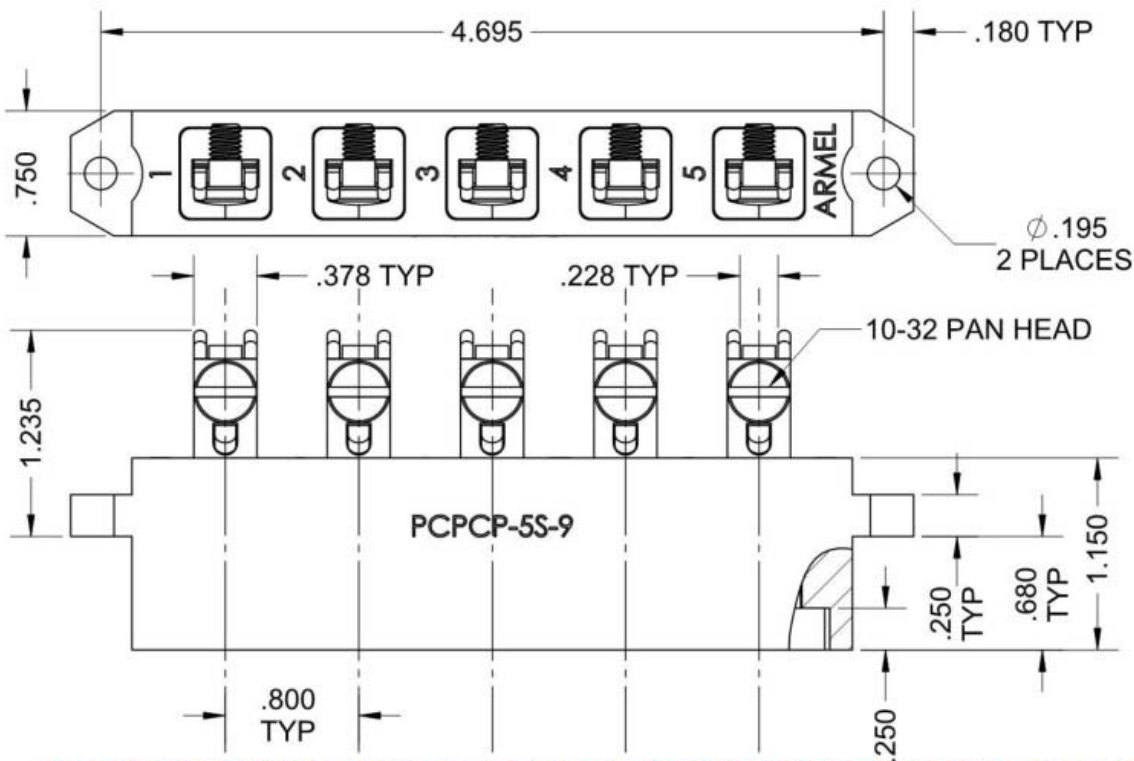


PCPCP SERIES

POWER CONNECTORS, WITH SOCKET AND BLADE POSITIONS POPULATED AS 1-2-3, 1-3-5, OR 1-2-3-4 WITH REMAINING POSITION(S) LEFT OUT, OR FULLY POPULATED AS SHOWN BELOW; CONNECTORS MEET SPECIFICATION 645A748



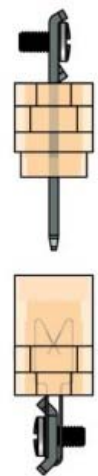
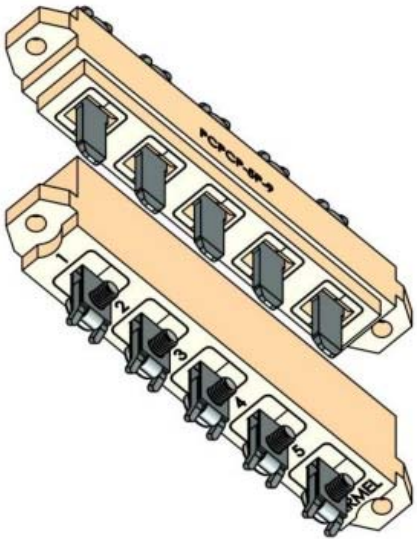
INSULATOR AND INSERTS SHOWN TRANSPARENT IN SIDE VIEW



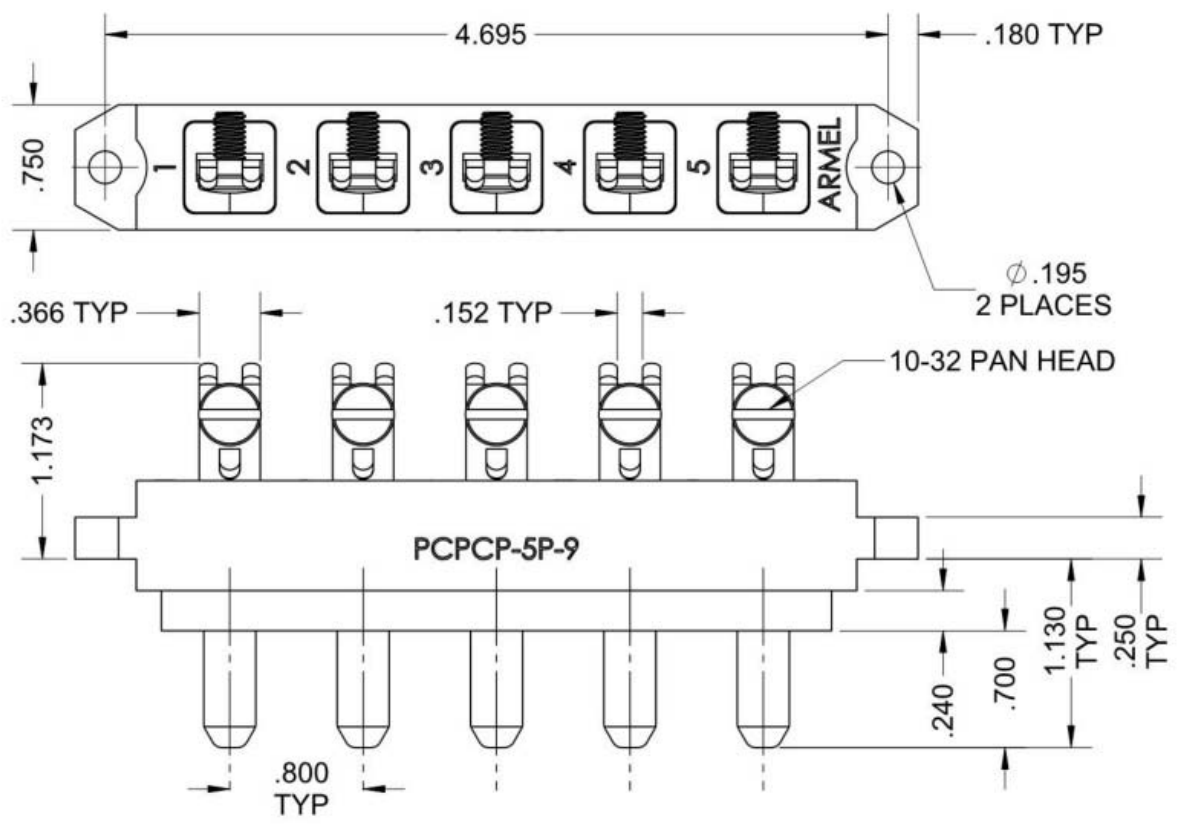
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE CATALOG PAGE 19

Questions? Contact Armel Electronics at: 1.800.840.0666

PCPCP SERIES



INSULATOR AND INSERTS SHOWN TRANSPARENT IN SIDE VIEW

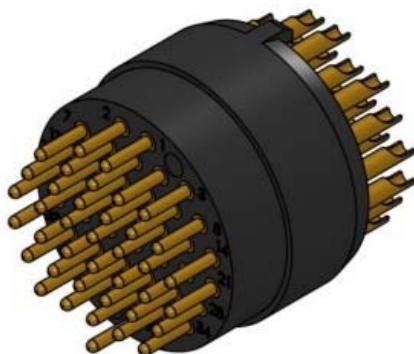


FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE CATALOG PAGE 20

TR39P1 SERIES



TORPEDO RECEPTACLE CONNECTOR



SPECIFICATIONS

ELECTRICAL

Insulation Resistance.....Greater Than 100 MEGAOHMS @ 750 VDC

MECHANICAL

Contact Material & Finish.....#173 Beryllium Copper Alloy Full Hard Per ASTM B 196,
 Hard Gold Plate Per ASTM 0488, Type A, CL 5.0
 Grade C Over Nickel Plate Per AMS-QQ-N-290, Class 2,
 Grade F

Insulator Body Material.....Epoxy Molding Compound IAW ASTM D 5948,
 Type GEI-5, Heat Resistance: 180, Color: Black

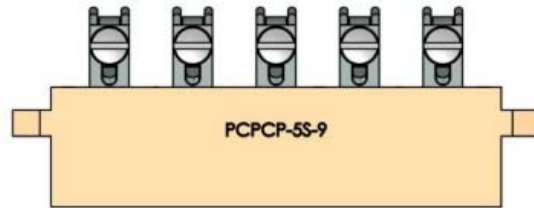
Contact Sealant.....Silane Based Metal Adhesive, CHEMLOK AP-131 (Lord
 Corp)

Test.....Connector Must Withstand 2000 PSIG Pressure For A
 Minimum Of 30 Minutes, No Leakage Permissible



PCPCP SERIES

SOCKET POWER CONNECTOR



SPECIFICATIONS

ELECTRICAL

Current Rating.....See Table At Bottom
 Dielectric Withstanding Voltage.....
 Contact to Contact
 Sea Level.....1000 VRMS @ 60 Hz

MECHANICAL

Contact Material & Finish.....Beryllium Copper, C17200, 1/2 Hard Per ASTM B194, Silver Plate.0003 In. Min. Thk., Type 1, Per QQ-S-365, Grade A, Over .0001 In. Min. Thk. Copper Plate Per MIL-C-14550, Class 4.
 Wire Clamp Screw Material & Finish.....Type 316 Stainless Steel & Passivated
 Body & Contact Retainer Material.....Ultem 2300, Color: Light Brown
 Contact Retainer Bonding Material.....Weld-On 3 Acrylic Plastic Cement

PART NO.	CONTACT, INSERTS & CAVITY IN POSITONS	NO CONTACT, INSERTS, OR CAVITY IN POSITIONS	MAX CONTACT CURRENT @ 250 VOLTS (AMPS)
PCPCP-3S-9	1,2,3	4,5	45
PCPCP-3AS-9	1,3,5	2,4	60
PCPCP-4S-9	1,2,3,4	5	45
PCPCP-5S-9	1,2,3,4,5	- (SHOWN)	60*

*ENSURE MATING CONNECTOR HAS SAME NUMBER OF CONTACTS AND BLADE CONTACT MATERIAL IS SILVER COPPER FOR 60 AMP USE, OTHERWISE MAX CURRENT IS 45 AMPS, SEE 645A748.

Questions? Contact Armel Electronics at: 1.800.840.0666

SP SERIES



SPECIFICATIONS

Listed below are the general specifications applicable to the illustrated series of SP rack and panel connectors.

ELECTRICAL

Current Rating	10 Amperes
Solder Pot Accommodation	One #16 AWG Wire
Dielectric-Withstanding Voltage	
Contact to Contact Sea Level	2700 VRMS Minimum 560 VRMS Minimum

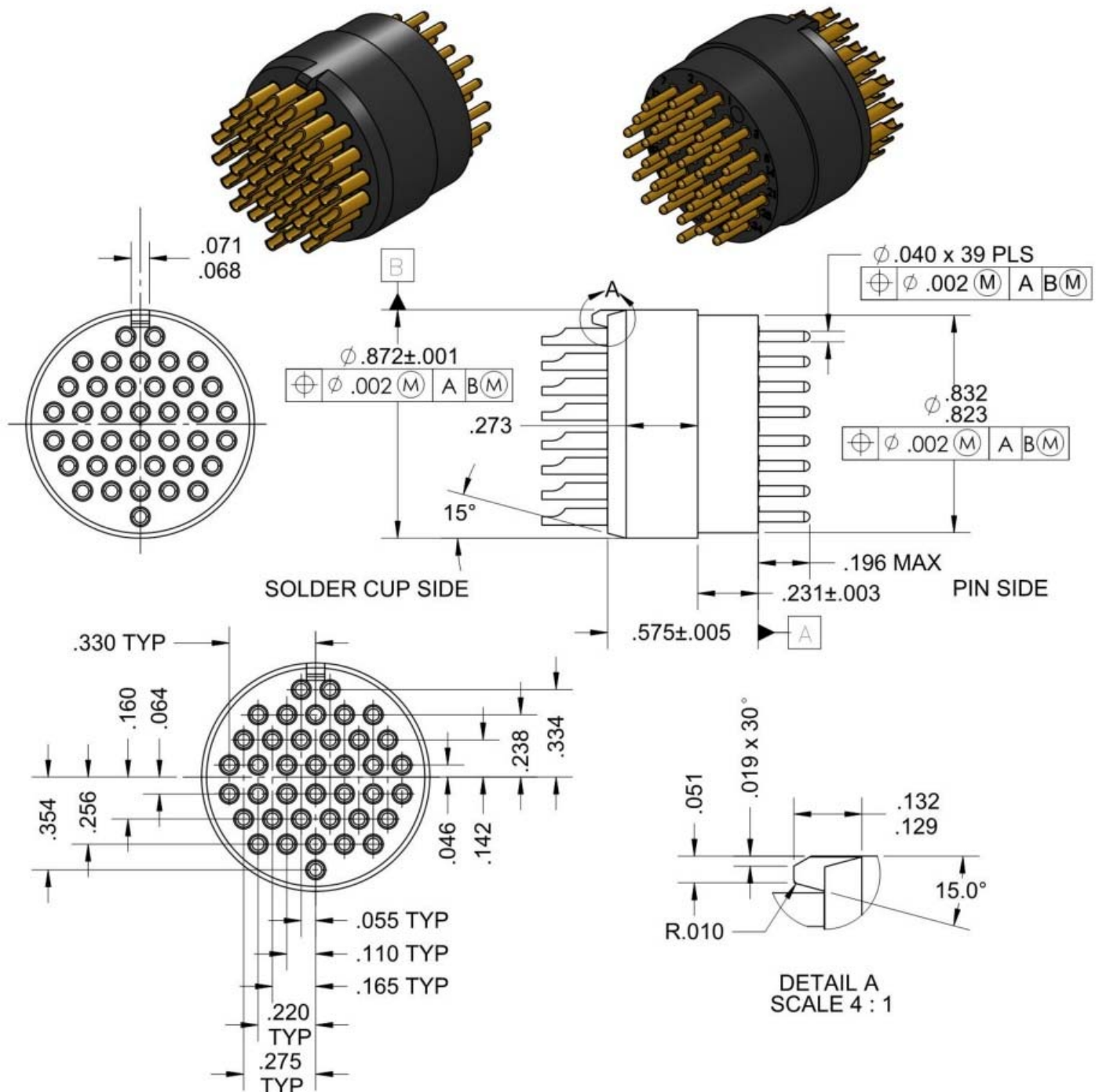
MECHANICAL

Contact Diameter	0.062
Creepage Between Contacts	0.25 Minimum
Air Space Between Contacts	0.09 Minimum
Polarization	Guide Pins and Contact Arrangement
Male Contacts and Guide Pins	Brass, Gold Plated over Copper or Nickel Plate.
Female Contacts and Guide Sockets	Phosphor Bronze, Grade "A" Spring Tempered, Gold Plated over Copper or Nickel Plate.
Insulation Material	Choice of other "Mil Approved"
	Thermosetting Insulations. (See Page 18)
Temperature Range	-65°C to +125°C



TR39P1 SERIES

TORPEDO RECEPTACLE CONNECTOR



FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE CATALOG PAGE 22

Questions? Contact Armel Electronics at: 1.800.840.0666

KELVIN SERIES



ARMEL KELVIN SOCKETS

In Molded DAP bodies are NOW AVAILABLE from ARMEL.

Please call 800-840-0666 or e-mail info@armel.us for detailed information regarding these and a complete line of Mil-Spec and Mil-COTS connectors, sockets, terminals and custom hardware.

TECHNICAL DATA:

CURRENT RATING: 15 AMP

CONTACT MATERIALS:

PHOSPHOR BRONZE PER QQ-B-750, OR
BERYLIUM COPPER PER QQ-C-530

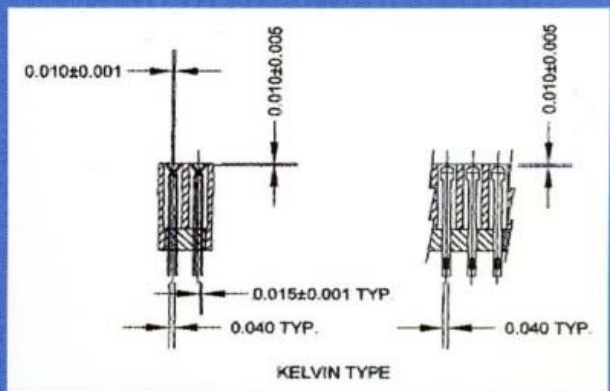
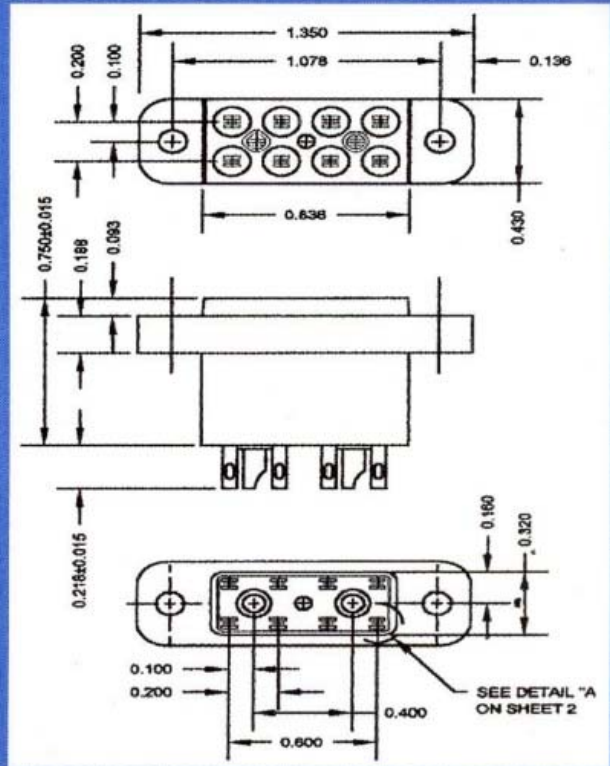
INSULATION MATERIAL:

DIALYL ORTHO PHTHALATE PER MIL-M-14

CUSTOM DESIGNED SOCKETS ARE ALSO AVAILABLE

WE CAN DESIGN TO MEET YOUR EXACT NEEDS SO THAT THE SOCKETS WILL MEET YOUR TEST

REQUIREMENTS. CONTACT ARMEL'S SALES DEPARTMENT AT 1-800-840-0666 FOR FULL DETAILS.



ARMEL ELECTRONICS, INC.

1601 75TH STREET

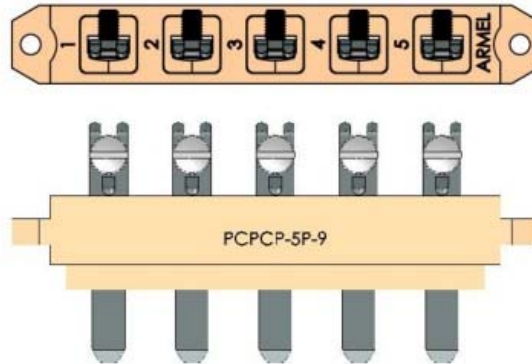
NORTH BERGEN, NEW JERSEY 07047

PHONE: 800-840-0666 • FAX: 201-869-4304 • E-MAIL: INFO@ARMEL.US



PCPCP SERIES

BLADE POWER CONNECTOR



SPECIFICATIONS

ELECTRICAL

Current Rating.....See Table At Bottom
 Dielectric Withstanding Voltage.....
 Contact to Contact
 Sea Level.....1000 VRMS @ 60 Hz

MECHANICAL

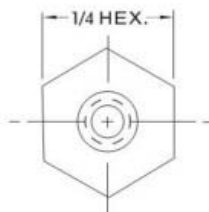
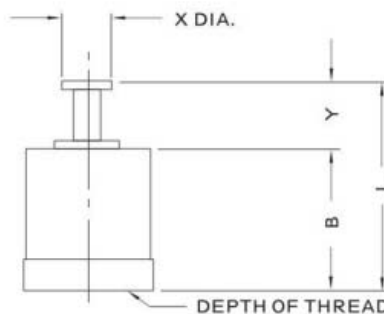
Contact Material & Finish.....Copper #113-#116, Spring Temper, Silver Plate
 .0003 In. Min. Thk., Type 1, Per QQ-S-365,
 Grade A, Over .0001 In. Min. Thk. Copper Plate
 Per MIL-C-14550, Class 4.
 Wire Clamp Screw Material & Finish.....Type 316 Stainless Steel & Passivated
 Body & Contact Retainer Material.....Ultem 2300, Color: Light Brown
 Contact Retainer Bonding Material.....Weld-On 3 Acrylic Plastic Cement

PART NO.	CONTACT, INSERTS & CAVITY IN POSITIONS	NO CONTACT, INSERTS, OR CAVITY IN POSITIONS	MAX CONTACT CURRENT @ 250 VOLTS (AMPS)
PCPCP-3P-9	1,2,3	4,5	45
PCPCP-3AP-9	1,3,5	2,4	60
PCPCP-4P-9	1,2,3,4	5	45
PCPCP-5P-9	1,2,3,4,5	-(SHOWN)	60

MINIATURE SERIES



PART NO.	L	B	X	Y	THREAD SIZE	DEPTH OF THD.	BREAKDOWN VOLTAGE A.C.
STMTC-92	0.40	0.275	0.09	0.125	2-56	0.156	11,000
STMTC-124	0.59	0.375	0.14	0.218	4-40	0.156	11,000
STMTC-72	0.40	0.218	0.09	0.181	2-56	0.094	11,000



SEE PAGE 22 FOR MATERIAL SPECIFICATIONS AND ORDERING INSTRUCTIONS.

02

terminals

Questions? Contact Armel Electronics at: 1.800.840.0666

PART NO.	'A'	BREAKDOWN VOLTAGE AC
GSTMTC-124	0.062	10,000
GSTMTC-125	0.070	10,000

'A' DIA. TYP.

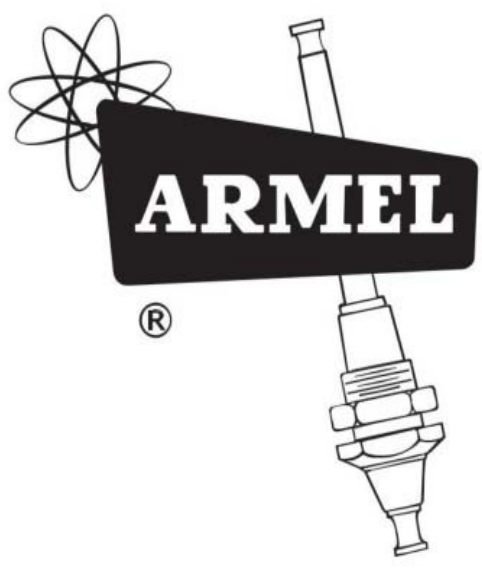
0.30

0.59

T THREAD DEPTH

1/4 HEX

terminals

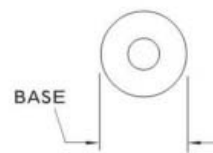
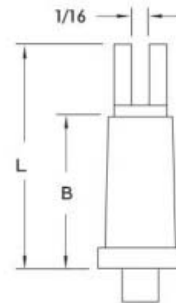


Terminals

BIFURCATED SERIES



PLASTIC BASE	METAL BASE	RIVET SIZE		DIMENSIONS			BREAKDOWN VOLTAGE AC	
		Dia.	Length	B	L	BASE		
BR-12	BMRR-12	0.098	3/32	3/8	5/8	1/4Hex.	6,000	
BLR-12			11/64			9/32Dia.		
	BMR-12	0.125	1/8			1/4Hex.		
						5/16Dia.		
BR-16	BMRR-16	0.098	3/32	1/2	3/4	1/4Hex.		9,000
BLR-16			11/64			9/32Dia.		
	BMR-16	0.125	1/8			1/4Hex.		
						5/16Dia.		
BR-17	BMRR-17	0.098	3/32	17/32	25/32	1/4Hex.	10,000	
BLR-17			11/64			9/32Dia.		
	BMR-17	0.125	1/8			1/4Hex.		
						5/16Dia.		
BR-19	BMRR-19	0.098	3/32	19/32	27/32	1/4Hex.		12,000
BLR-19			11/64			9/32Dia.		
	BMR-19	0.125	1/8			1/4Hex.		
						5/16Dia.		
SBR-12	SBMRR-12	0.098	3/32	3/8	9/16	1/4Hex.	6,000	
SBLR-12			11/64			9/32Dia.		
	SBMR-12	0.125	1/8			1/4Hex.		
						5/16Dia.		
SBR-16	SBMRR-16	0.098	3/32	1/2	11/16	1/4Hex.		9,000
SBLR-16			11/64			9/32Dia.		
	SBMR-16	0.125	1/8			1/4Hex.		
						5/16Dia.		
SBR-17	SBMRR-17	0.098	3/32	17/32	23/32	1/4Hex.	10,000	
SBLR-17			11/64			9/32Dia.		
	SBMR-17	0.125	1/8			1/4Hex.		
						5/16Dia.		
SBR-19	SBMRR-19	0.098	3/32	19/32	25/32	1/4Hex.		12,000
SBLR-19			11/64			9/32Dia.		
	SBMR-19	0.125	1/8			1/4Hex.		
						5/16Dia.		

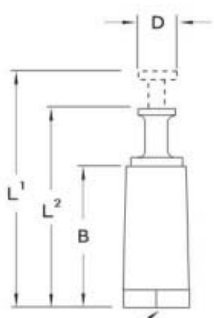


METAL BASE SHOWN

SEE PAGE 22 FOR MATERIAL SPECIFICATIONS AND ORDERING INSTRUCTIONS.



TURRET SERIES



T THREAD DEPTH



METAL BASE SHOWN

PLASTIC BASE	METAL BASE	THREAD SIZE	DIMENSIONS					BREAKDOWN VOLTS AC
			B	L ¹	L ²	D	T	
TT-12		4-40	3/8	23/32	19/32	9/64	5/32	6,000
TT-12-6	TMT-12	6-32						
TT-16		4-40	1/2	27/32	23/32	9/64	7/32	9,000
TT-16-6	TMT-16	6-32						
TT-17		4-40	17/32	7/8	3/4	9/64	7/32	10,000
TT-17-6	TMT-17	6-32						
TT-19		4-40	19/32	15/16	13/16	9/64	7/32	12,000
TT-19-6	TMT-19	6-32						

STT-12		4-40	3/8		19/32	9/64	5/32	6,000
STT-12-6	STMT-12	6-32						
STT-16		4-40	1/2		23/32	9/64	7/32	9,000
STT-16-6	STMT-16	6-32						
STT-17		4-40	17/32		3/4	9/64	7/32	10,000
STT-17-6	STMT-17	6-32						
STT-19		4-40	19/32		13/16	9/64	7/32	12,000
STT-19-6	STMT-19	6-32						

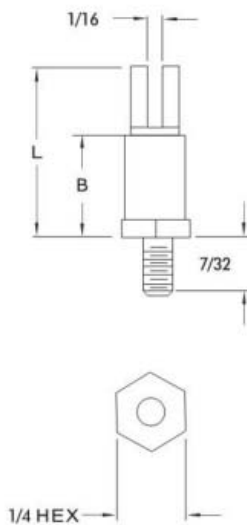
ATT-12		4-40	3/8	5/8	17/32	3/32	5/32	6,000
ATT-12-6	ATMT-12	6-32						
ATT-16		4-40	1/2	3/4	21/32	3/32	7/32	9,000
ATT-16-6	ATMT-16	6-32						
ATT-17		4-40	17/32	25/32	11/16	3/32	7/32	10,000
ATT-17-6	ATMT-17	6-32						
ATT-19		4-40	19/32	27/32	3/4	3/32	7/32	12,000
ATT-19-6	ATMT-19	6-32						

SEE PAGE 22 FOR MATERIAL SPECIFICATIONS AND ORDERING INSTRUCTIONS.

Questions? Contact Armel Electronics at: 1.800.840.0666



BIFURCATED SERIES



METAL BASE SHOWN

PLASTIC BASE	METAL BASE	THREAD SIZE	DIMENSIONS		BREAKDOWN VOLTAGE AC
			B	L	
BS-12		4-40	3/8	5/8	6,000
	BMS-12				
BS-12-6		6-32	1/2	3/4	9,000
	BMS-12-6				
BS-16		4-40	17/32	25/32	10,000
	BMS-16				
BS-16-6		6-32	19/32	27/32	12,000
	BMS-16-6				
BS-17		4-40	17/32	25/32	10,000
	BMS-17				
BS-17-6		6-32	19/32	27/32	12,000
	BMS-17-6				
BS-19		4-40	19/32	27/32	12,000
	BMS-19				
BS-19-6		6-32			
	BMS-19-6				

SBS-12		4-40	3/8	9/16	6,000
	SBMS-12				
SBS-12-6		6-32	1/2	11/16	9,000
	SBMS-12-6				
SBS-16		4-40	17/32	23/32	10,000
	SBMS-16				
SBS-16-6		6-32	19/32	25/32	12,000
	SBMS-16-6				
SBS-17		4-40	17/32	23/32	10,000
	SBMS-17				
SBS-17-6		6-32	19/32	25/32	12,000
	SBMS-17-6				
SBS-19		4-40	19/32	25/32	12,000
	SBMS-19				
SBS-19-6		6-32			
	SBMS-19-6				

SEE PAGE 22 FOR MATERIAL SPECIFICATIONS AND ORDERING INSTRUCTIONS.

Questions? Contact Armel Electronics at: 1.800.840.0666

terminals

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TERMINAL INDEX

ARMEL stand-off terminals, both standard size and miniature, meet the most exacting demands of various electrical and electronic applications for tie points, insulators, and wire terminuses.

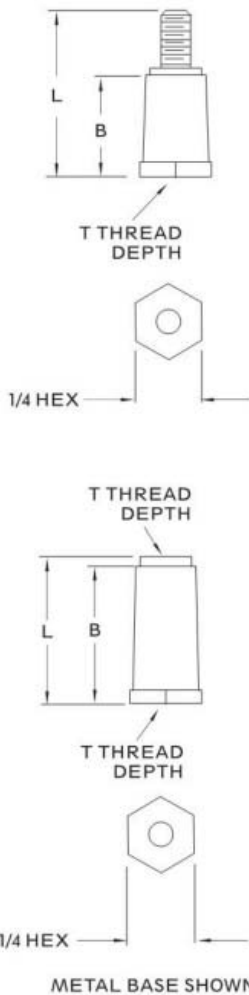
Available with either a PLASTIC or METAL BASE, each terminal is individually inspected to provide our customers with ARMEL quality components.

Solder terminals, mounting studs, insulations, and platings may be varied to meet customer's specifications.

STYLE	PART	PAGE		
MINIATURE TYPES	DTS	DLTS	DBS	
	DTMS	DLTMS	DBMS	
	DTR	DLTR	DBR	
	DTMR	DLTMR	DBMR	1
	STMTC			2
	DTMSC			3
	DLTMSC			4
TURRET TYPES	TT	STT	ATT	
	TMT	STMT	ATMT	5
	TS	STS	ATS	
	TMS	STMS	ATMS	6
	TR	STR	ATR	
	TLR	STLR	ATLR	
	TMRR	STMRR	ATMRR	
	TMR	STMR	ATMR	7
BIFURCATED TYPES	BT	SBT		
	BMT	SBMT		8
	BS	SBS		
	BMS	SBMS		9
	BR	SBR		
	BLR	SBLR		
	BMR	SBMR		
	BMRR	SBMRR		10
THREADED TYPE	SIT	PT		
	SMT	PMT		11
	ITS	SS		
	ITMS	SMS		12
STRAIGHT TYPE	RTT	RTS		
	RTMT	RTMS		13
FEED-THROUGH TYPE	FT-85	FT-86		14
	FT-87			15,16
TERMINAL BOARD	TB SERIES			17,18,19
MULTI-FEED TYPE	GSTMTC			20
	GSTMSC			21
	ORDERING INSTRUCTIONS			
	AND MATERIALS SPECIFICATIONS			22



THREADED SERIES



PLASTIC BASE	METAL BASE	THREAD SIZE	DIMENSIONS			BREAKDOWN VOLTAGE AC
			B	L	T	
SIT-12		4-40	3/8	5/8	5/32	6,000
SIT-12-6	SMT-12	6-32				
SIT-16		4-40	1/2	3/4		9,000
SIT-16-6	SMT-16	6-32				
SIT-17		4-40	17/32	25/32	7/32	10,000
SIT-17-6	SMT-17	6-32				
SIT-19		4-40	19/32	27/32		12,000
SIT-19-6	SMT-19	6-32				
	SMT-19-6	6-32				

PT-16		4-40	1/2	17/32		9,000
PT-16-6	PMT-16	6-32				
PT-17		4-40	17/32	9/16	5/32	10,000
PT-17-6	PMT-17	6-32				
PT-19		4-40	19/32	5/8		12,000
PT-19-6	PMT-19	6-32				
	PMT-19-6	6-32				

SEE PAGE 22 FOR MATERIAL SPECIFICATIONS AND ORDERING INSTRUCTIONS.

Questions? Contact Armel Electronics at: 1.800.840.0666

terminals

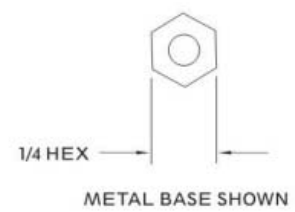
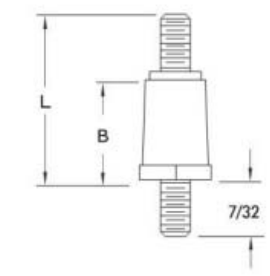
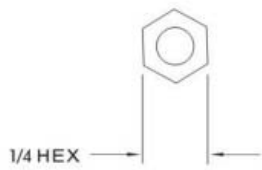
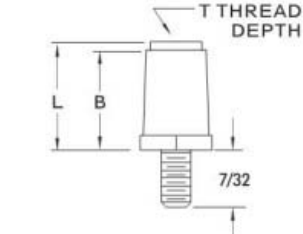
11

THREADED SERIES



PLASTIC BASE	METAL BASE	THREAD SIZE	DIMENSIONS			BREAKDOWN VOLTAGE AC
			B	L	T	
ITS-12		4-40	3/8	13/32	5/32	6,000
	ITMS-12	4-40				
ITS-12-6		6-32	1/2	17/32	5/32	9,000
	ITMS-12-6	6-32				
ITS-16		4-40	17/32	9/16	5/32	10,000
	ITMS-16	4-40				
ITS-16-6		6-32	19/32	5/8	5/32	12,000
	ITMS-16-6	6-32				
ITS-17		4-40	19/32	5/8	5/32	12,000
	ITMS-17	4-40				
ITS-17-6		6-32	19/32	5/8	5/32	12,000
	ITMS-17-6	6-32				
ITS-19		4-40	19/32	5/8	5/32	12,000
	ITMS-19	4-40				
ITS-19-6		6-32	19/32	5/8	5/32	12,000
	ITMS-19-6	6-32				

SS-12		4-40	3/8	5/8	5/32	6,000
	SMS-12	4-40				
SS-12-6		6-32	1/2	3/4	5/32	9,000
	SMS-12-6	6-32				
SS-16		4-40	17/32	25/32	5/32	10,000
	SMS-16	4-40				
SS-16-6		6-32	19/32	27/32	5/32	12,000
	SMS-16-6	6-32				
SS-17		4-40	19/32	27/32	5/32	12,000
	SMS-17	4-40				
SS-17-6		6-32	19/32	27/32	5/32	12,000
	SMS-17-6	6-32				
SS-19		4-40	19/32	27/32	5/32	12,000
	SMS-19	4-40				
SS-19-6		6-32	19/32	27/32	5/32	12,000
	SMS-19-6	6-32				



SEE PAGE 22 FOR MATERIAL SPECIFICATIONS AND ORDERING INSTRUCTIONS.

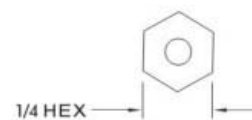
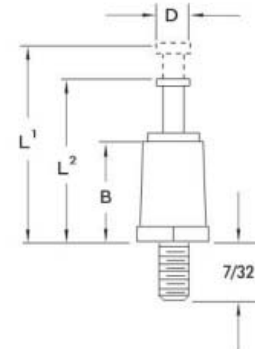
TURRET SERIES



PLASTIC BASE	METAL BASE	THREAD SIZE	DIMENSIONS				BREAKDOWN VOLTAGE AC
			B	L'	L'	D	
TS-12		4-40	3/8	23/32	19/32	9/64	6,000
TS-12-6	TMS-12	6-32					
TS-16		4-40	1/2	27/32	23/32	9/64	9,000
TS-16-6	TMS-16	6-32					
TS-17		4-40	17/32	7/8	3/4	9/64	10,000
TS-17-6	TMS-17	6-32					
TS-19		4-40	19/32	15/16	13/16	9/64	12,000
TS-19-6	TMS-19	6-32					

STS-12		4-40	3/8		19/32	9/64	6,000
STS-12-6	STMS-12	6-32					
STS-16		4-40	1/2		23/32	9/64	9,000
STS-16-6	STMS-16	6-32					
STS-17		4-40	17/32		3/4	9/64	10,000
STS-17-6	STMS-17	6-32					
STS-19		4-40	19/32		13/16	9/64	12,000
STS-19-6	STMS-19	6-32					

ATS-12		4-40	3/8	5/8	17/32	3/32	6,000
ATS-12-6	ATMS-12	6-32					
ATS-16		4-40	1/2	3/4	21/32	3/32	9,000
ATS-16-6	ATMS-16	6-32					
ATS-17		4-40	17/32	25/32	11/16	3/32	10,000
ATS-17-6	ATMS-17	6-32					
ATS-19		4-40	19/32	27/32	3/4	3/32	12,000
ATS-19-6	ATMS-19	6-32					

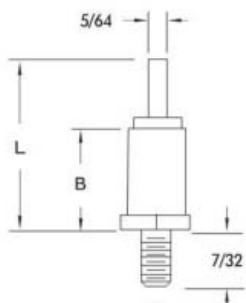
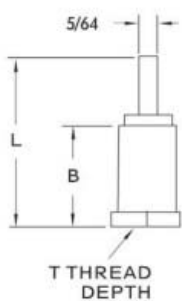


METAL BASE SHOWN

SEE PAGE 22 FOR MATERIAL SPECIFICATIONS AND ORDERING INSTRUCTIONS.



STRAIGHT SERIES



METAL BASE SHOWN

PLASTIC BASE	METAL BASE	THREAD SIZE	DIMENSIONS			BREAKDOWN VOLTAGE AC	
			B	L	T		
RTT-12		4-40	3/8	5/8	5/32	6,000	
	RTMT-12						
RTT-12-6		6-32					
	RTMT-12-6						
RTT-16		4-40	1/2	3/4	7/32	9,000	
	RTMT-16						
RTT-16-6		6-32					
	RTMT-16-6						
RTT-17		4-40	17/32	25/32	7/32	10,000	
	RTMT-17						
RTT-17-6		6-32					
	RTMT-17-6						
RTT-19		4-40	19/32	27/32	7/32	12,000	
	RTMT-19						
RTT-19-6		6-32					
	RTMT-19-6						

RTS-12		4-40	3/8	5/8	7/32	6,000	
	RTMS-12						
RTS-12-6		6-32					
	RTMS-12-6						
RTS-16		4-40	1/2	3/4	7/32	9,000	
	RTMS-16						
RTS-16-6		6-32					
	RTMS-16-6						
RTS-17		4-40	17/32	25/32	7/32	10,000	
	RTMS-17						
RTS-17-6		6-32					
	RTMS-17-6						
RTS-19		4-40	19/32	27/32	7/32	12,000	
	RTMS-19						
RTS-19-6		6-32					
	RTMS-19-6						

SEE PAGE 22 FOR MATERIAL SPECIFICATIONS AND ORDERING INSTRUCTIONS.

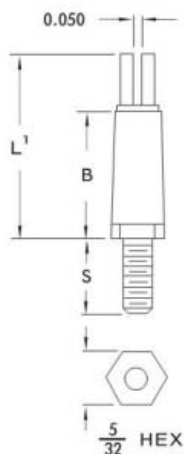
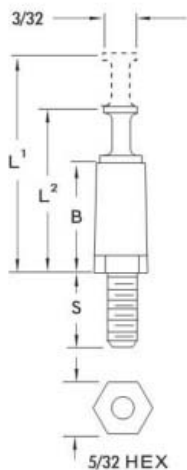
Questions? Contact Armel Electronics at: 1.800.840.0666

terminals

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MINIATURE SERIES



METAL BASE SHOWN

PLASTIC BASE	METAL BASE	DIMENSIONS					BREAKDOWN VOLTS AC	
		THD. SIZE	RIVET DIA.	B	L ¹	L ²		S
DTS-7		2-56		7/32		3/8	7/32	3,500
DTR-7			0.077				3/32	
	DTMS-7	2-56		15/64		25/64	7/32	
	DTMR-7		0.077				3/32	
DTS-12		2-56		3/8		17/32	7/32	6,000
DTR-12			0.077				3/32	
	DTMS-12	2-56		25/64		35/64	7/32	
	DTMR-12		0.077				3/32	
DLTS-7		2-56		7/32	17/32	3/8	7/32	3,500
DLTR-7			0.077				3/32	
	DLTMS-7	2-56		15/64	35/64	25/64	7/32	
	DLTMR-7		0.077				3/32	
DLTS-12		2-56		3/8	11/16	17/32	7/32	6,000
DLTR-12			0.077				3/32	
	DLTMS-12	2-56		25/64	45/64	35/64	7/32	
	DLTMR-12		0.077				3/32	

DBS-7		2-56		7/32	25/64		7/32	3,500
DBR-7			0.077				3/32	
	DBMS-7	2-56		15/64	13/32		7/32	
	DBMR-7		0.077				3/32	
DBS-12		2-56		3/8	35/64		7/32	6,000
DBR-12			0.077				3/32	
	DBMS-12	2-56		25/64	9/16		7/32	
	DBMR-12		0.077				3/32	

SEE PAGE 22 FOR MATERIAL SPECIFICATIONS AND ORDERING INSTRUCTIONS.

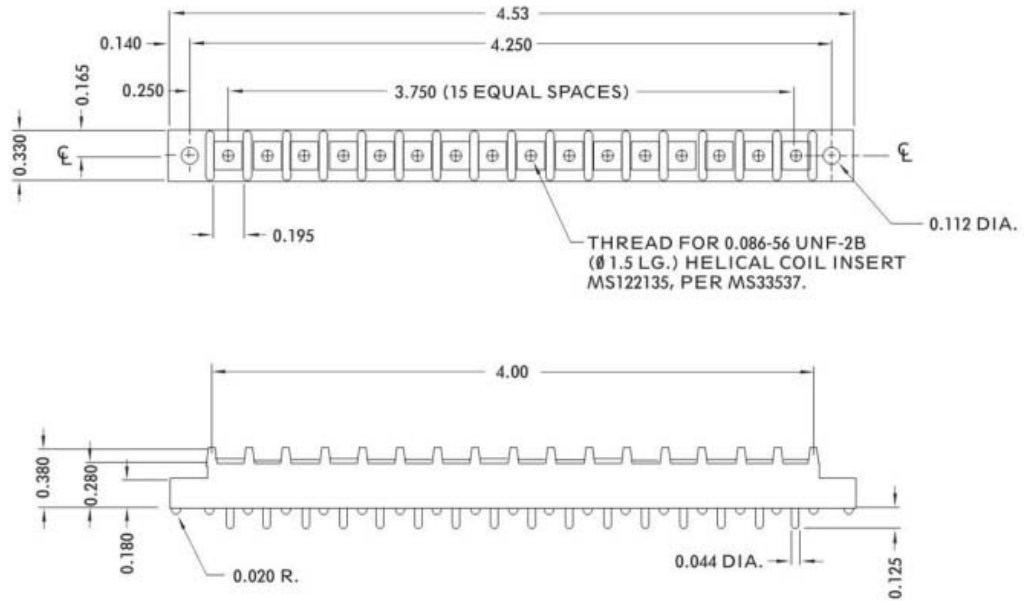
Questions? Contact Armel Electronics at: 1.800.840.0666

terminals

01



TERMINAL BOARDS



TBST-16 JNF

SEE PAGE 22 FOR MATERIAL SPECIFICATIONS AND ORDERING INSTRUCTIONS.

Questions? Contact Armel Electronics at: 1.800.840.0666

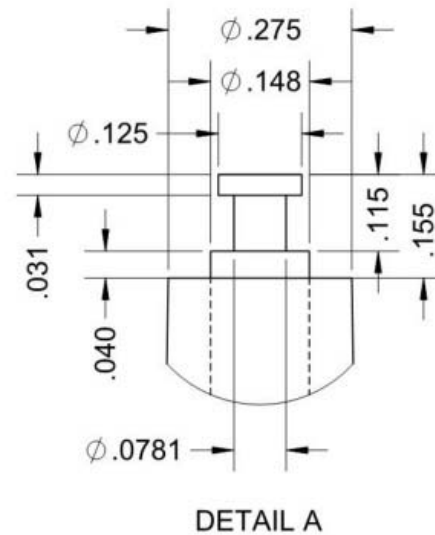
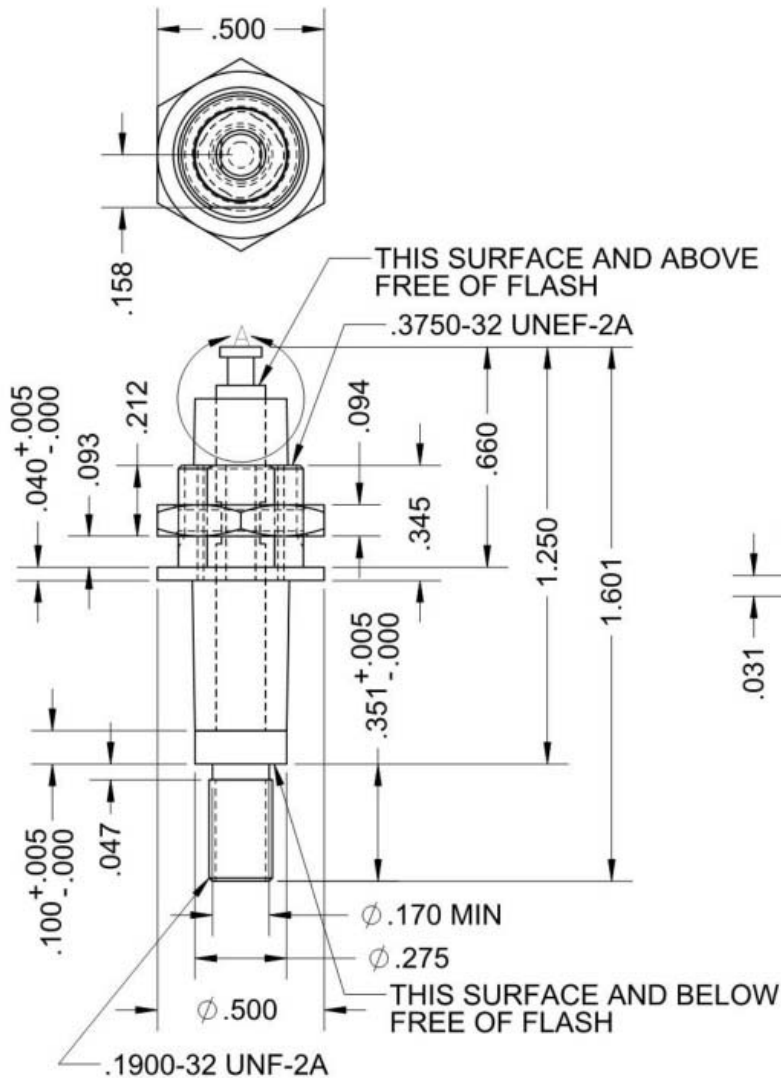
terminals

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FEED THROUGH SERIES

FT-87
MEETS SPECIFICATION 201610001-10
WITH INSULATION MATERIAL "L"
(SEE PAGE 22)



FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 16

Questions? Contact Armel Electronics at: 1.800.840.0666

FEED THROUGH SERIES



FT-87



SPECIFICATIONS

ELECTRICAL

Current Rating.....20 AMP MAX @ 28 VDC
 Dielectric Strength.....3000 VAC @ 60 Hz

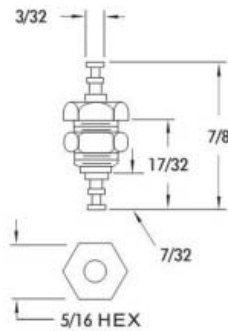
MECHANICAL

Terminal Material & Finish.....Brass, 1/2 Hard Per ASTM B36, Electro Tin Plate
 .0003 In. Min. Thk. Per ASTM B545 Over .0001 In.
 Min. Thk. Copper Plate Per SAE AMS2418
 Insulation Material.....Per ASTM D5948, Type SDG-F, Color: Light Green
 Mounting Bushing & Nut Material & Finish.....Brass, 1/2 Hard Per ASTM B36, Cadmium Plate
 Per SAE AMS-QQ-P-416, Type I, Class 2
 Shock.....450 G @ 18 Hz
 Torque.....15 In-Lbf Applied To Center Terminal
 Alternate Insulation Material Available.....Choice of "L" Color: Light Green,
 "L2" Color: Black, Or "J" Color: Dark Green
 Comparable Thermosetting Insulations (see page 22)

FEED THROUGH SERIES



TYPE FT-85



The FT- 85 is a Miniature Type Feed Through Terminal used for passing currents through panels and chassis. The feed through pin is MOLDED into place providing a solid tie point. The molded thread allows for maximum creepage.

SPECIFICATIONS

ELECTRICAL

Wire Size Maximum. Two #20 AWG or
 Three #22 AWG
 Voltage Breakdown. 4500 VRMS

MECHANICAL

Solder Terminal. Brass-Hot Solder Dipped, Centriuged & Reflowed
 Mounting Nut. Brass-Cadmium Plated with Gold Iridite Finish
 Insulation Material. Choice of "MIL Approved" Thermosetting Insulations (see page 22)

The FT-86 Feed Through Terminal used for passing currents through panels, chassis and bulkheads was designed for Communication, Aircraft and Instrumentation Work. The Feed Through Pin is MOLDED into place providing a solid tie point. The threaded bushing protects the insulation from breakage in mounting.

SPECIFICATIONS

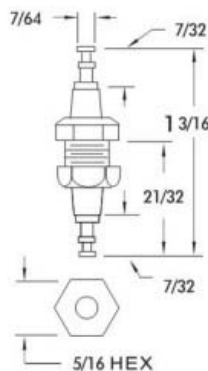
ELECTRICAL

Wire Size Maximum. Two #20 AWG or
 Three #22 AWG
 Voltage Breakdown. 3300 VRMS Minimum

MECHANICAL

Solder Terminal. Brass-Hot Solder Dipped, Centriuged & Reflowed
 Mounting Bushing and Nut. Brass-Cadmium Plated with Gold Iridite Finish
 Insulation Material. Choice of "MIL Approved" Thermosetting Insulations (see page 22)

TYPE FT-86

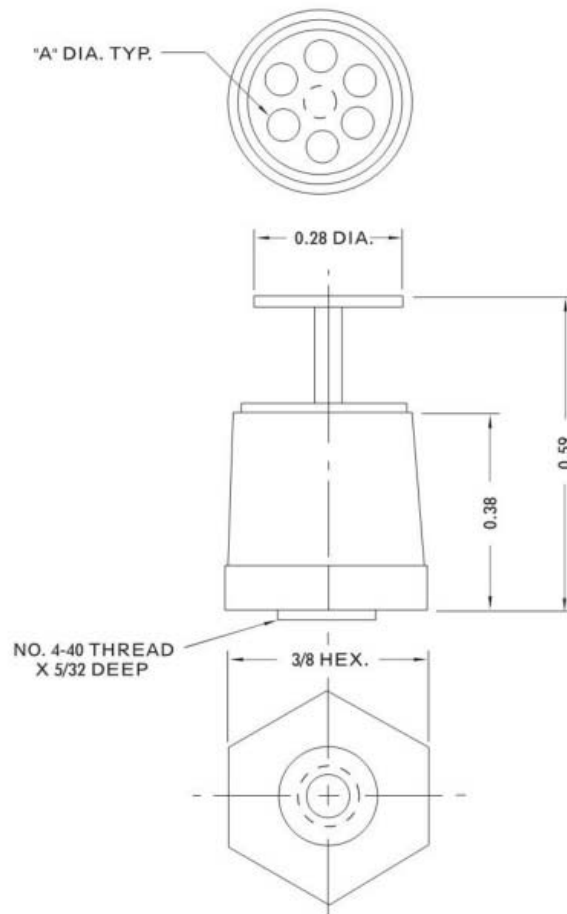


SEE PAGE 22 FOR MATERIAL SPECIFICATIONS AND ORDERING INSTRUCTIONS.

MULTI-FEED SERIES

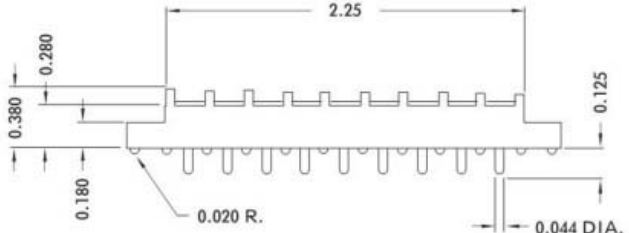
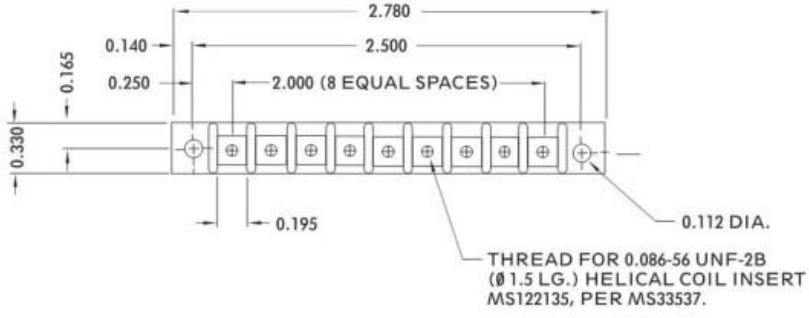


PART NO.	"A"	BREAKDOWN VOLTAGE AC
GSTMTC-124	0.062	10,000
GSTMTC-127	0.070	10,000

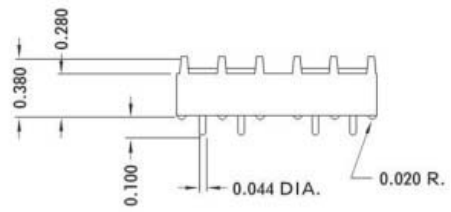
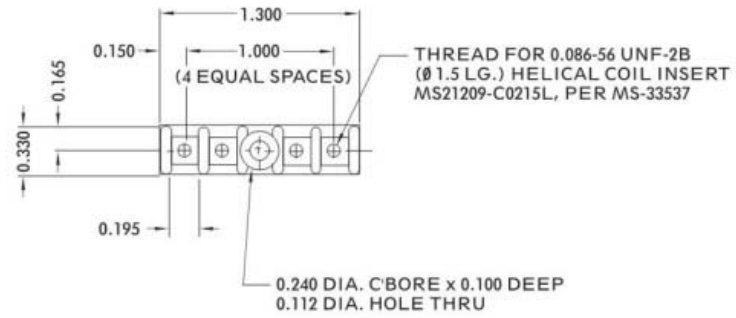


SEE PAGE 22 FOR MATERIAL SPECIFICATIONS AND ORDERING INSTRUCTIONS.

TERMINAL BOARDS



TBST-9 JNF

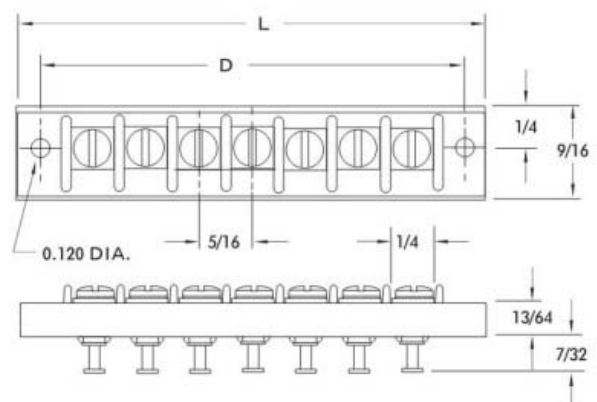


TBSS-4 JNF

SEE PAGE 22 FOR MATERIAL SPECIFICATIONS AND ORDERING INSTRUCTIONS.



TERMINAL BOARDS



		NUMBER OF TERMINALS						
		1	2	3	4	5	6	7
L	7/8	1 3/16	1 1/2	1 13/16	2 1/8	2 7/16	2 3/4	
D	5/8	15/16	1 1/4	1 9/16	1 7/8	2 3/16	2 1/2	

SPECIFICATIONS

ELECTRICAL

Wire Size

- Solder Pot Type. One #14 AWG
- Turret Type. Two #14 AWG or
Three #18 AWG
- Bifurcated Type. Two #14 AWG or
Three #18 AWG
- Taper Type. One "AMP" Taper Pin
- Voltage Breakdown. 3500 VRMS

MECHANICAL

- Creepage Between Contacts. 5/32"
- Air Space Between Contacts. 1/8"
- Terminals. Brass-Gold Plated over Copper Plate
- Insulation Material Choice of "MIL APPROVED"
Thermosetting Insulations.
(see page 22)
- Weight (TBT-7). 0.60 Oz.

TERMINAL TYPES	
"TBT" TURRET TYPE	"TBTT" TURRET TYPE
"TBC" SOLDER POT TYPE	"TBCC" SOLDER POT TYPE
"TBB" BIFURCATED TYPE	"TBAA" TAPER TYPE
"TBA" TAPER TYPE	TYPES MAY BE VARIED TO MEET CUSTOMER'S SPECIFICATIONS

ORDERING INSTRUCTIONS

Order type designation as shown above adding -1, -2, -3, etc. for number of terminals required, i.e.

TBT-7	TBTT-6
TBC-3	TBAA-5

SEE PAGE 22 FOR MATERIAL SPECIFICATIONS AND ORDERING INSTRUCTIONS.

Questions? Contact Armel Electronics at: 1.800.840.0666

ORDERING INSTRUCTIONS



MATERIAL CERTIFICATIONS



SUFFIX 1

- J DIALLYL PHTHALATE, GLASS-FIBER FILLED PER MIL-M-14, TYPE GDI 30F
- L DIALLYL PHTHALATE, GLASS-FIBER FILLED PER MIL-M-14, TYPE SDG-F
- L2 DIALLYL PHTHALATE, GLASS-FIBER FILLED PER MIL-M-14, TYPE SDG-F
COLOR BLACK
- H DIALLYL PHTHALATE, ORLON-FILLED PER MIL-M-14, TYPE SDI-5

SUFFIX 2

- NONE NO SUPPLEMENTARY CONTACT TERMINAL FINISH, OR
HOT SOLDER DIP, CENTRIFUGED AND REFLOWED, SOLDER PER QQ-S-571
(STANDARD NO SUFFIX REQUIRED)
- F SOLDER (60-40) WITH WATER SOLUBLE ROSIN FLUX
- V2 GOLD PLATE (0.00005) PER MIL-G-45204, TYPE II, CLASS 1 OVER COPPER
PLATE

OTHER PLATINGS AVAILABLE UPON REQUEST

GENERAL

1. MEET OR EXCEED APPLICABLE REQUIREMENTS OF MIL-T-55155
2. CONTACTS GOLD PLATED FOR LOW CONTACT RESISTANCE

MATERIAL AND FINISH SPECIFICATIONS

STAINLESS STEEL	QQ-S-763/766 TYPE 303 (NON-MAGNETIC)
BRASS	QQ-B-626
CADMIUM PLATE	QQ-P-416, TYPE II, CLASS 2
NICKEL PLATE	QQ-N-290, TYPE VI, CLASS 1
PASSIVATE	QQ-P-35 / AMS 2700

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