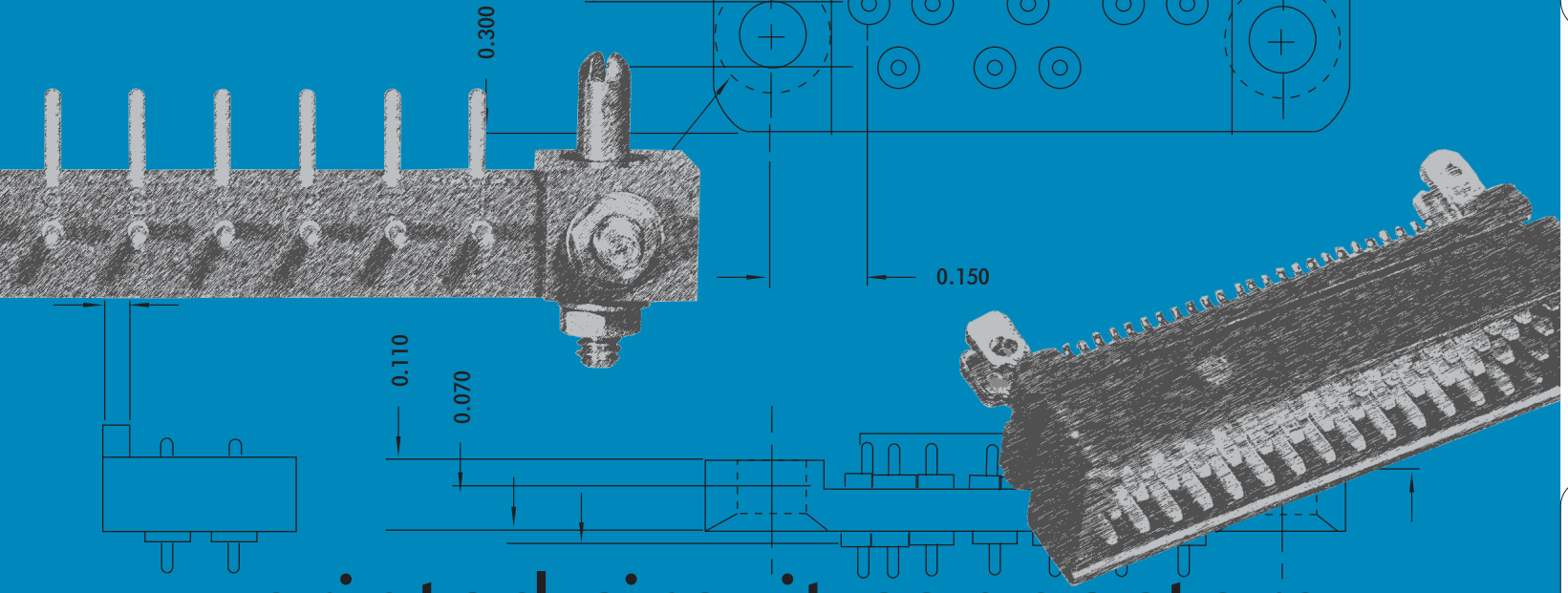


printed circuit connectors

ARMEL®

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.

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

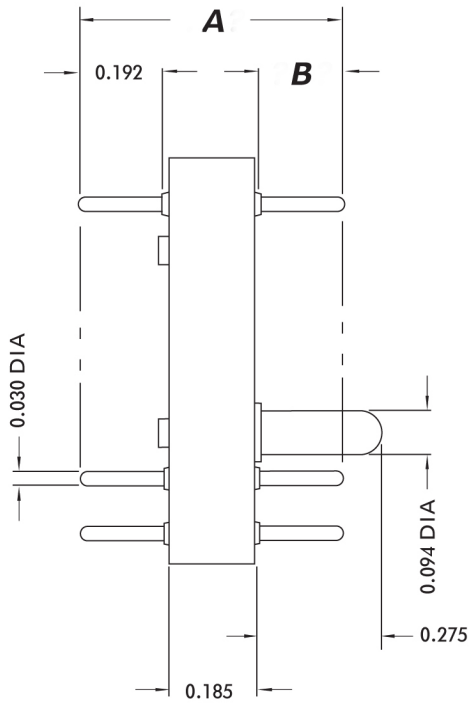
MECHANICAL

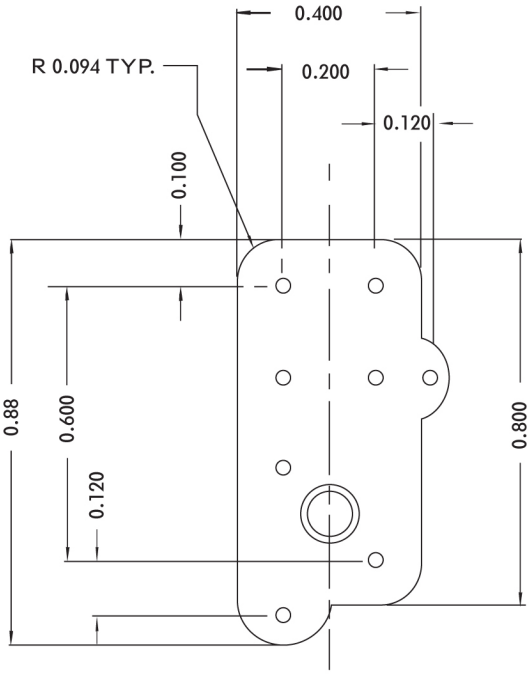
Contact Diameter	0.030 Inch
Creepage Between Contacts	0.07 Inch Minimum
Air Space Between Contacts	0.07 Inch Minimum
Polarization	Guide Pins and Contact Arrangement
Socket Contacts	Beryllium Copper Gold Plated (0.00005 inch)
Pin Contacts	Brass, Hot Solder Dipped, Centriuged and Reflowed Solder 0.0001 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

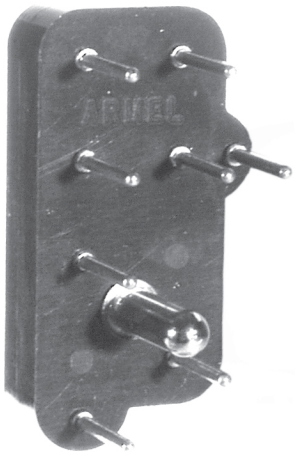
Approximate Weight

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

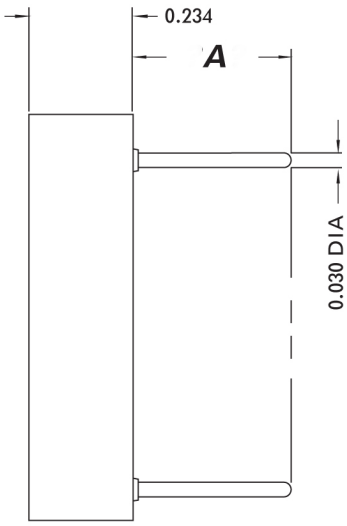
Questions? Contact Armel Electronics at: 1.800.840.0666

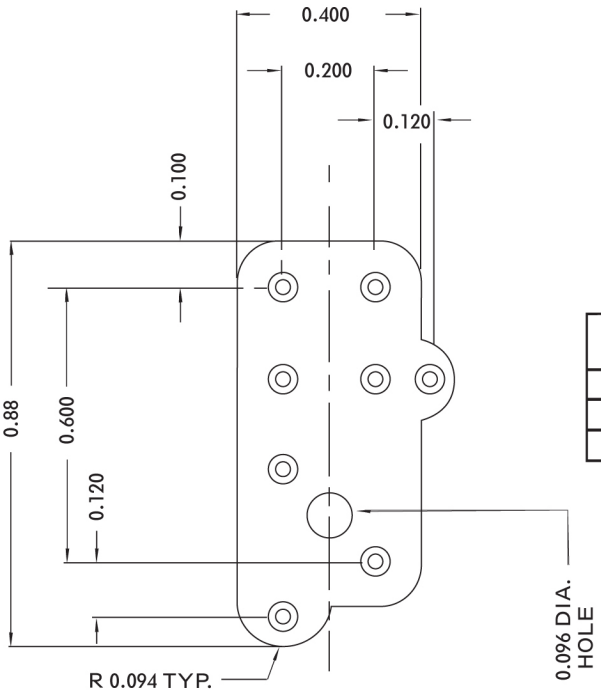


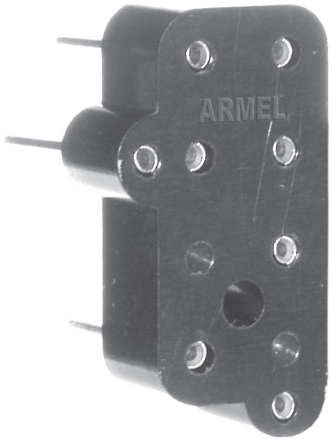




PART NO.	A	B
AB-8P-1RF	0.59	0.192
AB-8P-2RF	0.65	0.275







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

SPECIFICATIONS

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

ELECTRICAL

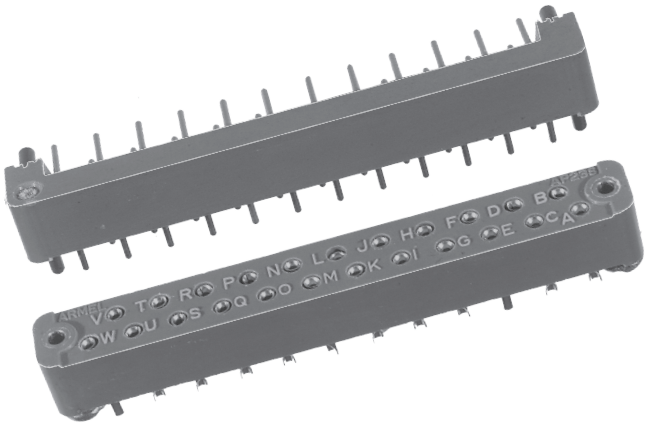
Contact Rating	3 amperes
Solder Cup Accomodation	One #24 AWG Wire
Dielectric Withstanding Voltage	
Contact to Contact, Sea Level	1000 Volts RMS Minimum
Contact to Contact, 70,000 Ft.	300 Volts RMS Minimum

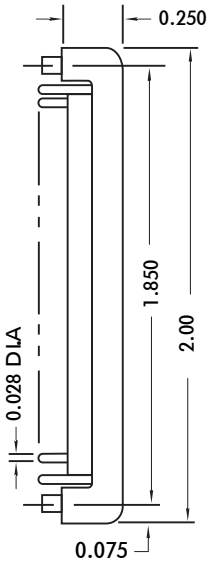
MECHANICAL

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.

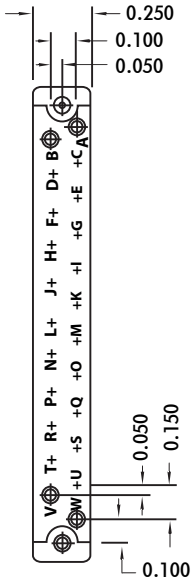
Questions? Contact Armel Electronics at: 1.800.840.0666

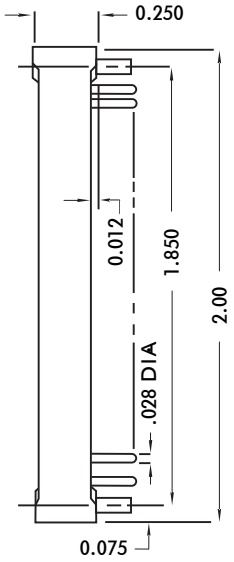




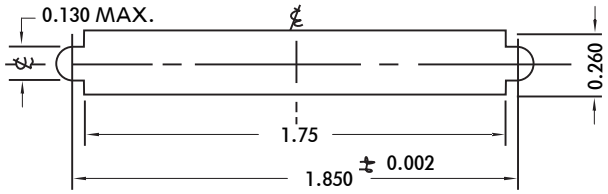
PLUG

CONTACT DATA		MOUNTING DATA							
		PANEL THICKNESS	DIMENSION						
				0.060 DIA. A		0.109 DIA. B		0.060 DIA. C	
			X	A	RIVET	B	CHASSIS	C	RIVET
PLUG	RIGHT ANGLE	.06	.10	.09	AP 23P - 1HW				
		.09							
		.12							
RECEPTACLE	STRAIGHT	.06	.11					.09	AP 23S - 4 HW
		.09							
		.12	.18					.16	AP 23S - 744 HW
	SOLDER CUP	.06				.05	AP 23S - 51HW	.09	AP 23S - 61HW





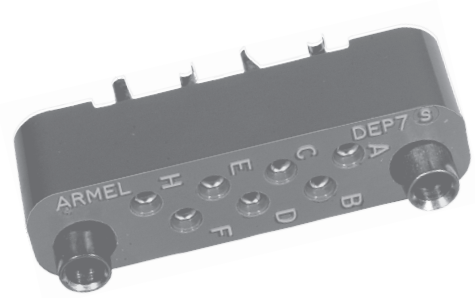
RECEPTACLE



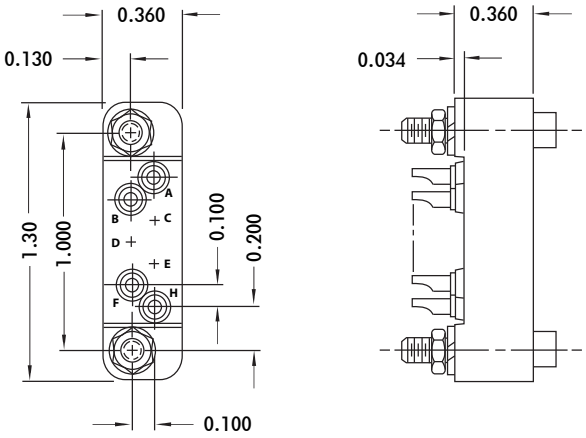
LATERAL FLOAT: .020 Max.
Recommended chassis cut-out
(Part No. AP 23S - 51HW)

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 03

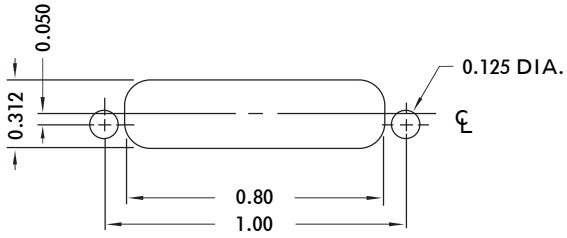
DEP 7 SERIES



MOUNTING DATA								CONTACT DATA	
RIVET	C	STUD	B	GUIDE	A	X	PANEL THICKNESS		
				DEP 7S - 411LV2	.25	—	.06	0.17 SOLDER CUP	OPEN ENTRY
				DEP 7S - 415LV2	.31	—	.09		
				DEP 7S - 415LV2	.31	—	.12		
				DEP 7S - 412LV2	.25	—	.06	0.22 TURRET	
				DEP 7S - 416LV2	.31	—	.09		
				DEP 7S - 416LV2	.31	—	.12		
				DEP 7S - 413LV2	.25	—	.06	0.23 EYELET	
				DEP 7S - 417LV2	.31	—	.09		
				DEP 7S - 417LV2	.31	—	.12		
				DEP 7S - 414LV2	.25	.11	.06	X STRAIGHT PIN	
				DEP 7S - 418LV2	.31	.19	.09		
				DEP 7S - 418LV2	.31	.19	.12		
				DEP 7S - 423LV2	.25	.79	.06	0.045 SQ X WIRE WRAP	
				DEP 7S - 428LV2	.31	.79	.09		
				DEP 7S - 428LV2	.31	.79	.12		
				DEP 7K - 411LV2	.25	—	.06	0.17 SOLDER CUP	CLOSED ENTRY
				DEP 7K - 415LV2	.31	—	.09		
				DEP 7K - 415LV2	.31	—	.12		
				DEP 7K - 413LV2	.25	—	.06	0.23 EYELET	
				DEP 7K - 417LV2	.31	—	.09		
				DEP 7K - 417LV2	.31	—	.12		
				DEP 7K - 414LV2	.25	.19	.06	X STRAIGHT PIN	
				DEP 7K - 414LV2	.31	.19	.09		
				DEP 7K - 414LV2	.31	.19	.12		
				DEP 7K - 433LV2	.25	.60	.06	0.025 SQ X WIRE WRAP	
				DEP 7K - 438LV2	.31	.60	.09		
				DEP 7K - 438LV2	.31	.60	.12		
							.06	X RIGHT ANGLE	
							.09		
							.12		



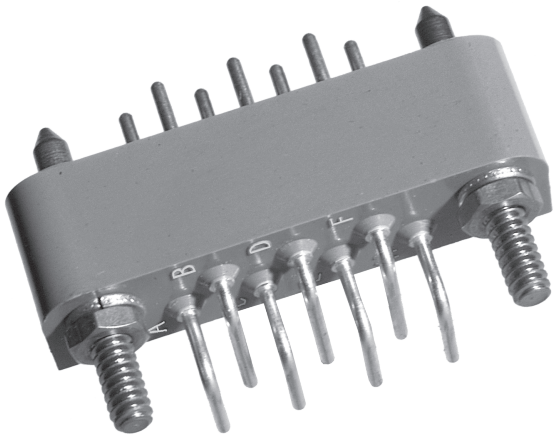
RECEPTACLE

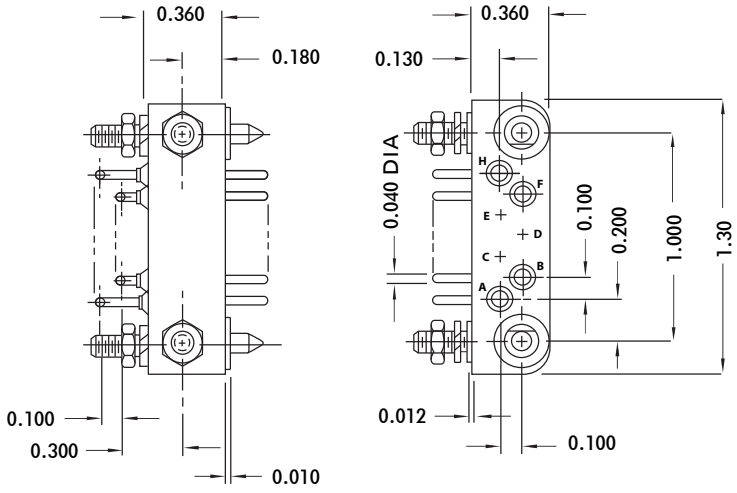


RECOMMENDED CHASSIS CUT-OUT
Mounting Hardware
Stainless Steel, Passivated

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

Questions? Contact Armel Electronics at: 1.800.840.0666





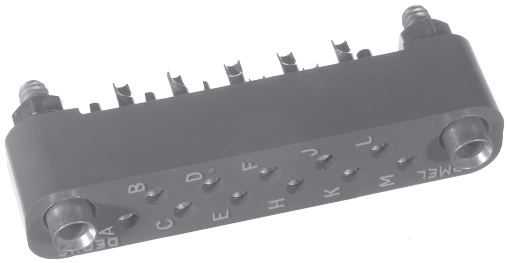
PLUG

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

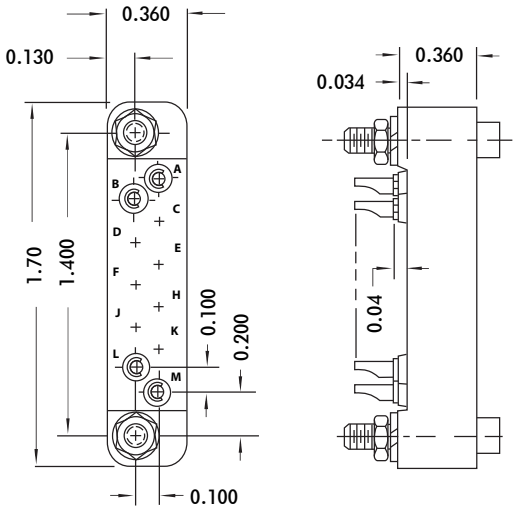
Mounting Hardware
Stainless Steel, Passivated

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

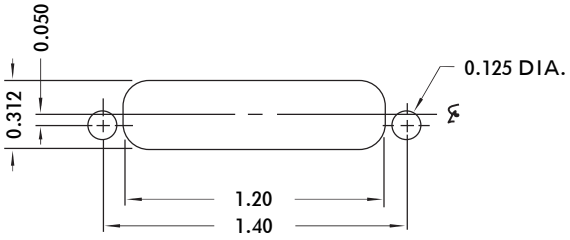
DEP 11 SERIES



MOUNTING DATA								CONTACT DATA	
0.180 / 0.109D. / C		0.180 / NO.4-40 / B		NO.4-40 / A		DIMENSION	PANEL THICKNESS		
RIVET	C	STUD	B	GUIDE	A	X			
DEP 11S - 41JV2	.09	DEP 11S - 96JV2	.22	DEP 11S - 1JV2	.25	—	.06	0.17 SOLDER CUP	OPEN ENTRY
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	0.22 TURRET	
				DEP 11S - 6JV2	.33	—	.09		
				DEP 11S - 6JV2	.33	—	.12		
				DEP 11S - 3JV2	.25	—	.06	0.23 EYELET	
				DEP 11S - 7JV2	.33	—	.09		
				DEP 11S - 7JV2	.33	—	.12		
				DEP 11S - 34JV2	.25	.11	.06	X STRAIGHT PIN	
				DEP 11S - 8JV2	.33	.19	.09		
				DEP 11S - 8JV2	.33	.19	.12		
				DEP 11S - 13JV2	.25	.79	.06	0.045 SQ X WIRE WRAP	
				DEP 11S - 18JV2	.33	.79	.09		
				DEP 11S - 18JV2	.33	.79	.12		
DEP 11K - 41JV2	.09	DEP 11K - 96JV2	.22	DEP 11K - 1JV2	.25	—	.06	0.17 SOLDER CUP	CLOSED ENTRY
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	0.23 EYELET	
				DEP 11K - 7JV2	.33	—	.09		
				DEP 11K - 7JV2	.33	—	.12		
				DEP 11K - 4JV2	.33	.19	.06	X STRAIGHT PIN	
				DEP 11K - 8JV2	.33	.19	.09		
				DEP 11K - 8JV2	.33	.19	.12		
				DEP 11K - 433JV2	.25	.60	.06	0.025 SQ X WIRE WRAP	
				DEP 11K - 438JV2	.31	.60	.09		
				DEP 11K - 438JV2	.31	.60	.12		
		DEP 11K - 591JV2	.22	DEP 11K - 794JV2	.22	.15	.06	X RIGHT ANGLE	
		DEP 11K - 594JV2	.25	DEP 11K - 795JV2	.33	.15	.09		
		DEP 11K - 595JV2	.31	DEP 11K - 795JV2	.33	.15	.12		



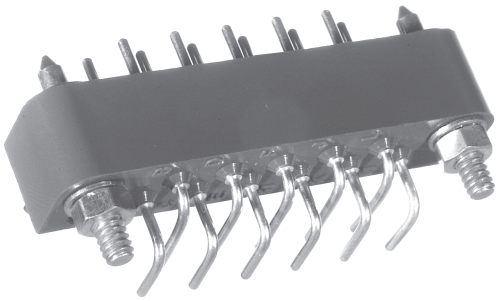
RECEPTACLE

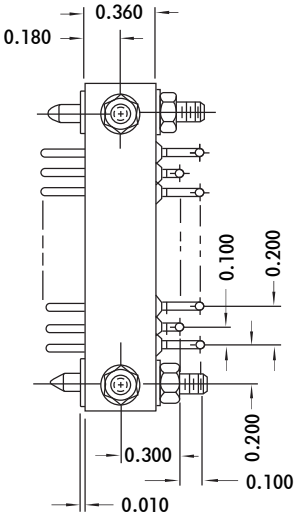


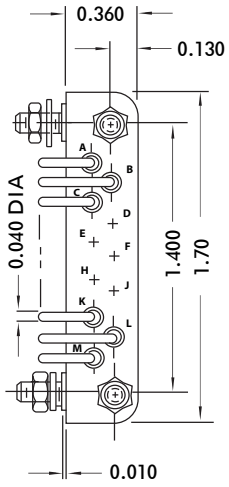
RECOMMENDED CHASSIS CUT-OUT

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

Questions? Contact Armel Electronics at: 1.800.840.0666

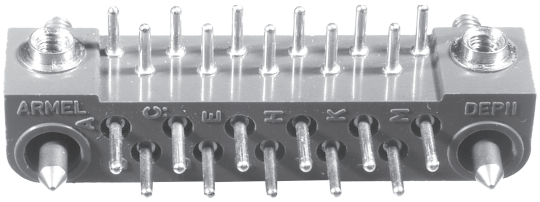


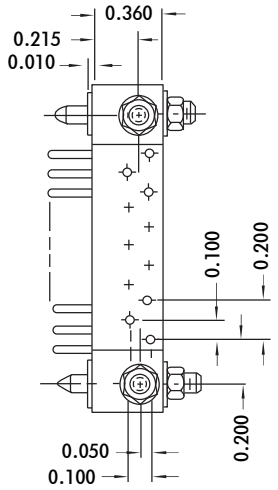


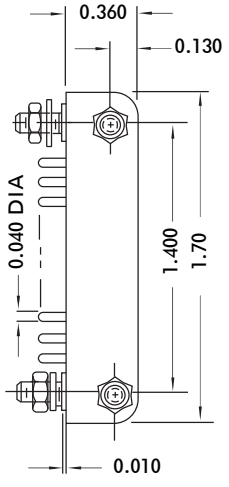


PLUG

CONTACT DATA		MOUNTING DATA								
		PANEL THICKNESS	DIMENSION	NO. 4-40 A		NO. 4-40 B		0.109D. C		
			X	A	GUIDE	B	STUD	C	RIVET
PLUG	RIGHT ANGLE	.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		





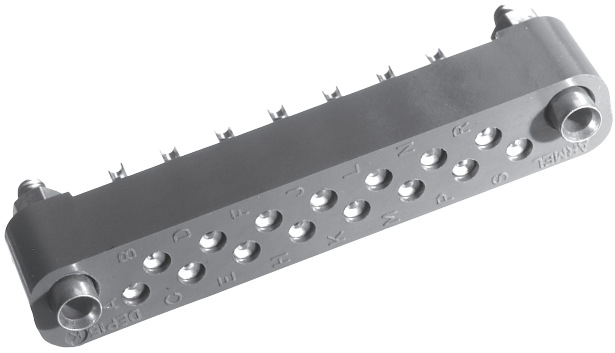


PLUG

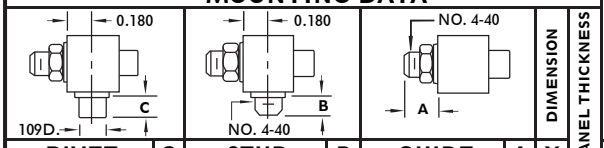
CONTACT DATA		MOUNTING DATA							
		BOARD THICKNESS	DIMENSION	NO. 4-40 A NO. 4-40		NO. 4-40 B		0.109D. C	
			X	A	INSERT	B	STUD	C	RIVET
PLUG		.06	.09	.14	DEP 11M - 53JV2	.22	DEP 11M - 3JV2	.09	DEP 11M - 41JV2
		.09	.14	.14	DEP 11M - 519JV2	.25	DEP 11M - 19JV2	.12	DEP 11M - 42JV2
		.12	.16	.14	DEP 11M - 54JV2	.31	DEP 11M - 4JV2	.16	DEP 11M - 43JV2

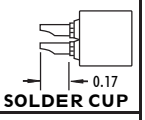
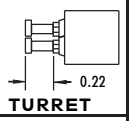
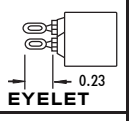
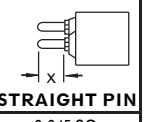
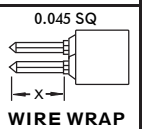
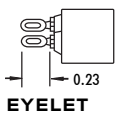
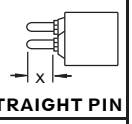
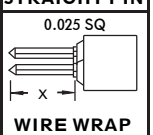
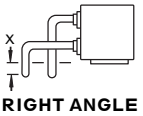
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

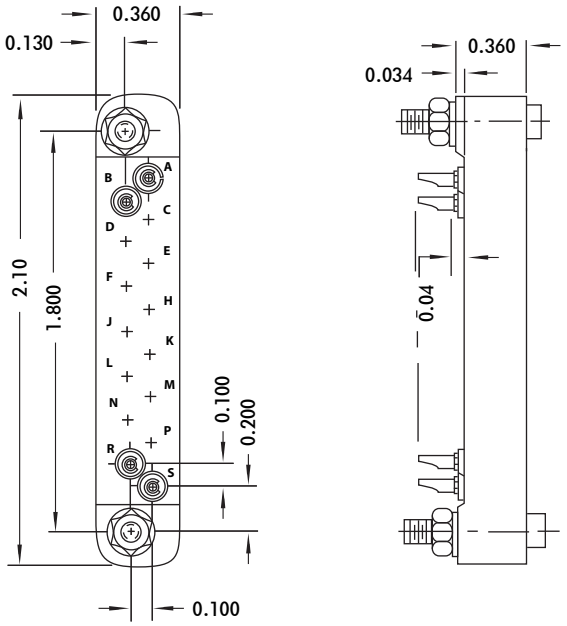
DEP 15 SERIES



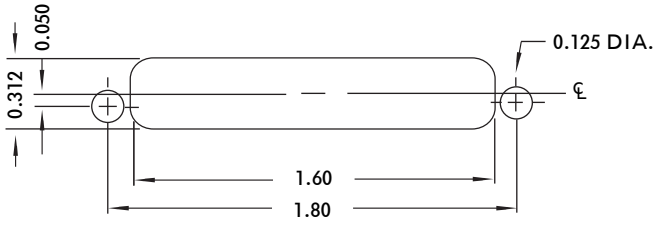
MOUNTING DATA



RIVET	C	STUD	B	GUIDE	A	X	PANEL THICKNESS	CONTACT DATA	
DEP 15S - 41JV2	.09	DEP 15S - 96JV2	.22	DEP 15S - 1JV2	.25	—	.06	 0.17 SOLDER CUP	OPEN ENTRY
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	 0.22 TURRET	
				DEP 15S - 6JV2	.33	—	.09		
				DEP 15S - 6JV2	.33	—	.12		
				DEP 15S - 3JV2	.25	—	.06	 0.23 EYELET	
				DEP 15S - 7JV2	.33	—	.09		
				DEP 15S - 7JV2	.33	—	.12		
				DEP 15S - 34JV2	.25	.11	.06	 STRAIGHT PIN	
				DEP 15S - 8JV2	.33	.19	.09		
				DEP 15S - 8JV2	.33	.19	.12		
				DEP 15S - 13JV2	.25	.79	.06	 0.045 SQ WIRE WRAP	
				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	 0.17 SOLDER CUP	CLOSED ENTRY
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	 0.23 EYELET	
				DEP 15K - 7JV2	.33	—	.09		
				DEP 15K - 7JV2	.33	—	.12		
				DEP 15K - 4JV2	.33	.19	.06	 STRAIGHT PIN	
				DEP 15K - 8JV2	.33	.19	.09		
				DEP 15K - 8JV2	.33	.19	.12		
				DEP 15K - 433JV2	.25	.60	.06	 0.025 SQ WIRE WRAP	
				DEP 15K - 438JV2	.31	.60	.09		
				DEP 15K - 438JV2	.31	.60	.12		
		DEP 15K - 591JV2	.22	DEP 15K - 794JV2	.22	.15	.06	 RIGHT ANGLE	
		DEP 15K - 594JV2	.25	DEP 15K - 795JV2	.33	.15	.09		
		DEP 15K - 595JV2	.31	DEP 15K - 795JV2	.33	.15	.12		



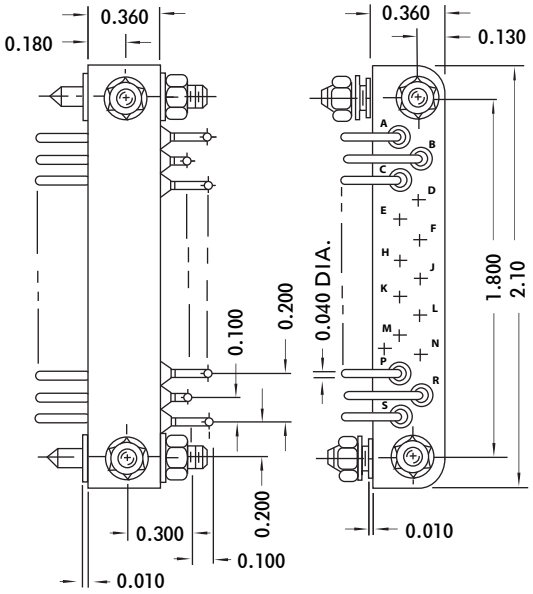
RECEPTACLE



RECOMMENDED CHASSIS CUT-OUT

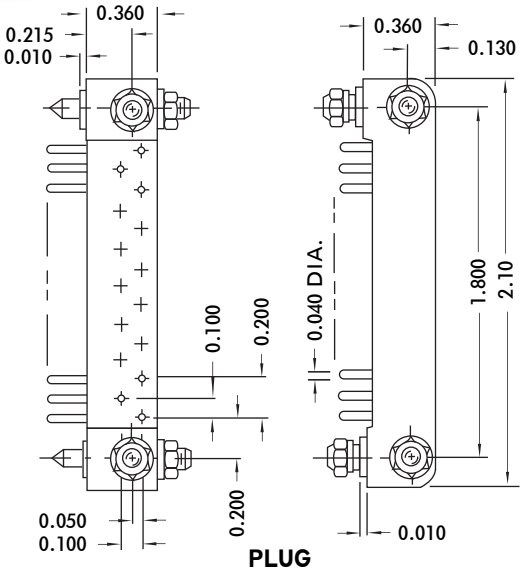
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

Questions? Contact Armel Electronics at: 1.800.840.0666



PLUG

CONTACT DATA		MOUNTING DATA							
		PANEL THICKNESS	DIMENSION	NO. 4-40 A		NO. 4-40 B		0.109D. C	
			X	A	GUIDE	B	STUD	C	RIVET
PLUG	RIGHT ANGLE	.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
	STRAIGHT	.06	.20	.25	DEP 15P - 31JV2				
		.09	.20	.25	DEP 15P - 32JV2				
		.12	.24	.25	DEP 15P - 33JV2				
	SOLDER-CUP	.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		

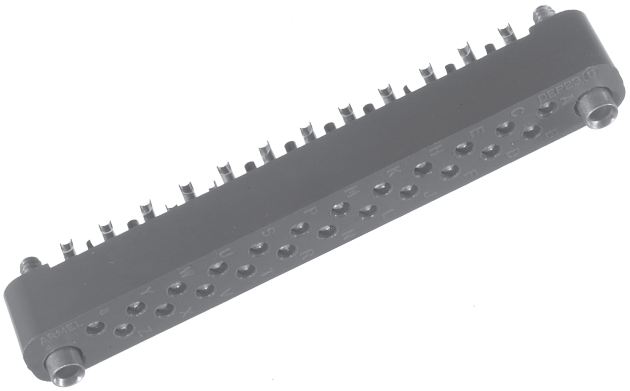


PLUG

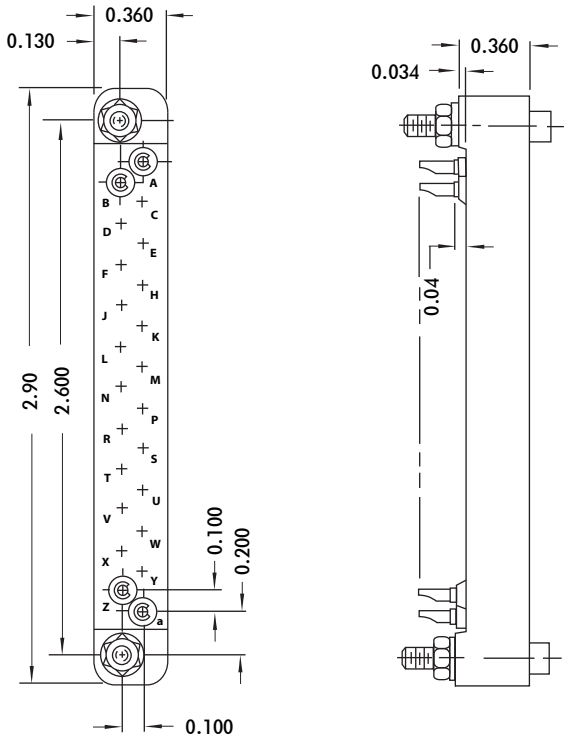
CONTACT DATA		MOUNTING DATA							
		BOARD THICKNESS	DIMENSION	NO. 4-40 A NO. 4-40		NO. 4-40 B		0.109D. C	
			X	A	INSERT	B	STUD	C	RIVET
PLUG		.06	.09	.14	DEP 15M - 53JV2	.22	DEP 15M - 3JV2	.09	DEP 15M - 41JV2
		.09	.14	.14	DEP 15M - 519JV2	.25	DEP 15M - 19JV2	.12	DEP 15M - 42JV2
		.12	.16	.14	DEP 15M - 54JV2	.31	DEP 15M - 4JV2	.16	DEP 15M - 43JV2

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

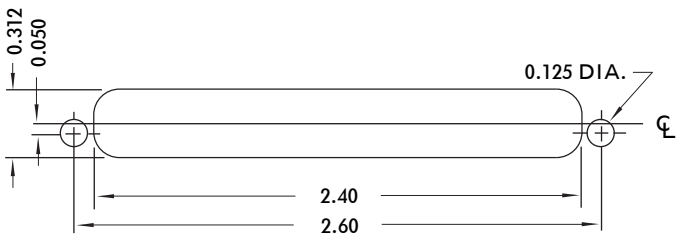
DEP 23 SERIES



MOUNTING DATA								CONTACT DATA	
RIVET	C	STUD	B	GUIDE	A	DIMENSION X	PANEL THICKNESS		
DEP 23S - 41JV2	.09	DEP 23S - 96JV2	.22	DEP 23S - 1JV2	.25	—	.06	SOLDER CUP	OPEN ENTRY
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	TURRET	
				DEP 23S - 6JV2	.33	—	.09		
				DEP 23S - 6JV2	.33	—	.12		
				DEP 23S - 3JV2	.25	—	.06	EYELET	
				DEP 23S - 7JV2	.33	—	.09		
				DEP 23S - 7JV2	.33	—	.12		
				DEP 23S - 34JV2	.25	.11	.06	STRAIGHT PIN	
				DEP 23S - 8JV2	.33	.19	.09		
				DEP 23S - 8JV2	.33	.19	.12		
				DEP 23S - 13JV2	.25	.79	.06	WIRE WRAP	
				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	SOLDER CUP	CLOSED ENTRY
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	EYELET	
				DEP 23K - 7JV2	.33	—	.09		
				DEP 23K - 7JV2	.33	—	.12		
				DEP 23K - 4JV2	.33	—	.06	STRAIGHT PIN	
				DEP 23K - 8JV2	.33	—	.09		
				DEP 23K - 8JV2	.33	—	.12		
				DEP 23K - 433JV2	.25	.60	.06	WIRE WRAP	
				DEP 23K - 438JV2	.31	.60	.09		
				DEP 23K - 438JV2	.31	.60	.12		
		DEP 23K - 591JV2	.22	DEP 23K - 794JV2	.22	.15	.06	RIGHT ANGLE	
		DEP 23K - 594JV2	.25	DEP 23K - 795JV2	.33	.15	.09		
		DEP 23K - 595JV2	.31	DEP 23K - 795JV2	.33	.15	.12		



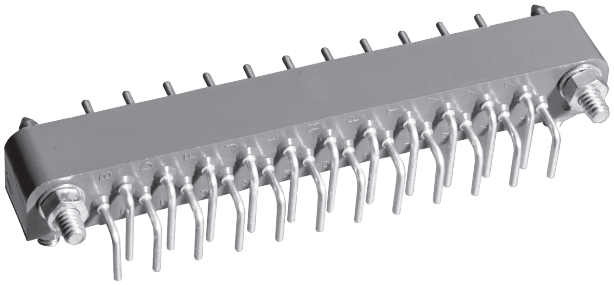
RECEPTACLE

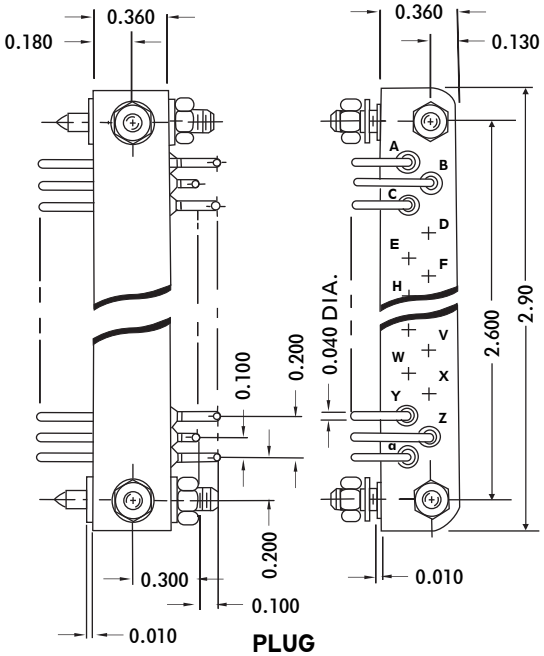


RECOMMENDED CHASSIS CUT-OUT

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

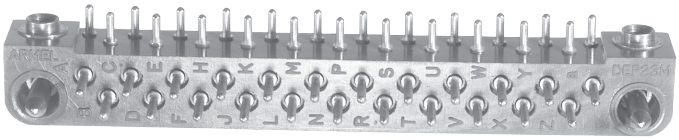
Questions? Contact Armel Electronics at: 1.800.840.0666

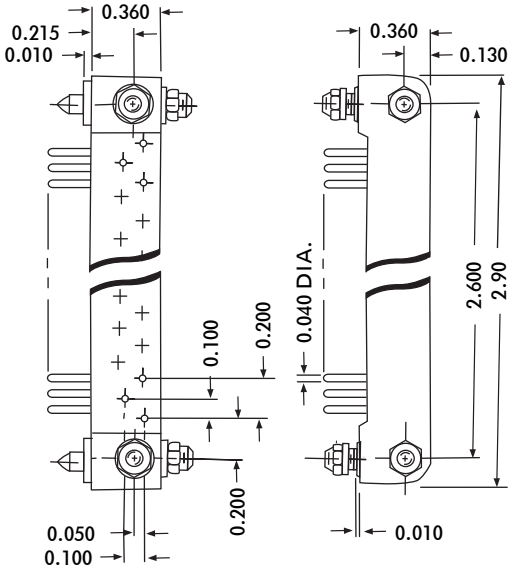




PLUG

CONTACT DATA		MOUNTING DATA								
		PANEL THICKNESS	DIMENSION	NO. 4-40 A	GUIDE	B	STUD	C	RIVET
PLUG	RIGHT ANGLE	.06	.14			.22	DEP 23P - 3JV2	.09	DEP 23P - 41JV2
		.09	.14			.25	DEP 23P - 6JV2	.12	DEP 23P - 42JV2
		.12	.20			.31	DEP 23P - 4JV2	.16	DEP 23P - 43JV2
	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		



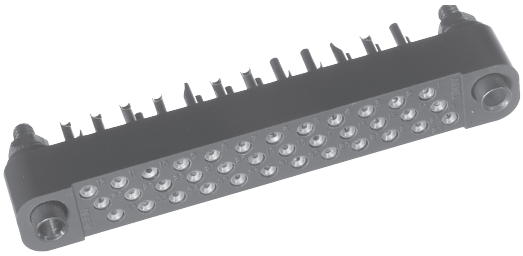


PLUG

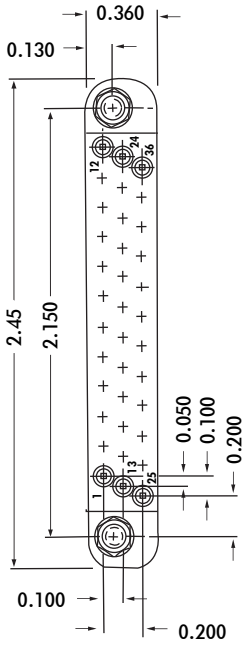
CONTACT DATA		MOUNTING DATA								
		BOARD THICKNESS	DIMENSION	NO. 4-40 A	INSERT	B	STUD	C	RIVET
PLUG		.06	.09	.14	DEP 23M - 53JV2	.22	DEP 23M - 3JV2	.09	DEP 23M - 41JV2
		.09	.14	.14	DEP 23M - 519JV2	.25	DEP 23M - 19JV2	.12	DEP 23M - 42JV2
		.12	.16	.14	DEP 23M - 54JV2	.31	DEP 23M - 4JV2	.16	DEP 23M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

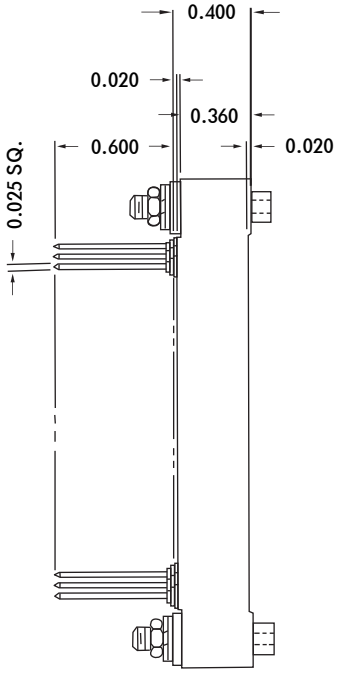
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

DEP 36 SERIES

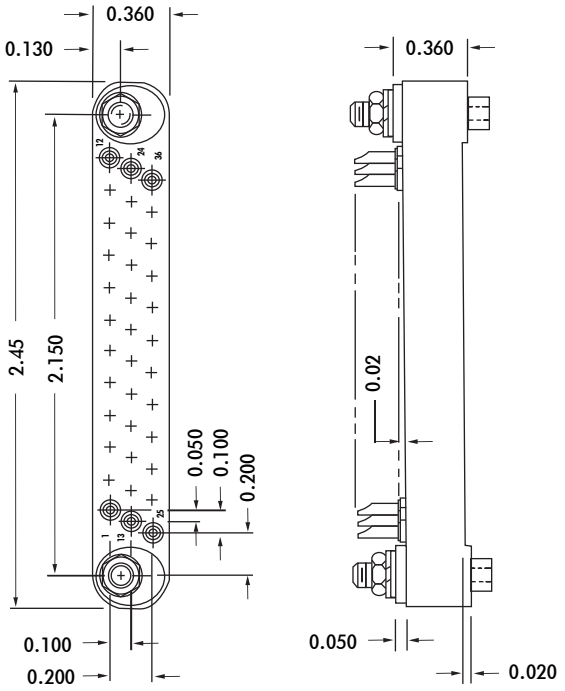


MOUNTING DATA								CONTACT DATA	
0.109D. C		NO. 4-40 B		NO. 4-40 A		DIMENSION X	PANEL THICKNESS		
RIVET	C	STUD	B	GUIDE	A				
				DEP 36K - 301JV2	.25	.18	.06	SOLDER CUP	CLOSED ENTRY
				DEP 36K - 141JV2	.31	.18	.09		
				DEP 36K - 141JV2	.31	.18	.12		
				DEP 36K - 48JV2	.25	.27	.06	STRAIGHT PIN	
				DEP 36K - 8JV2	.31	.27	.09		
				DEP 36K - 8JV2	.31	.27	.12		
				DEP 36K - 433JV2	.25	.57	.06	.025 SQ WIRE WRAP	
				DEP 36K - 438JV2	.25	.57	.09		
				DEP 36K - 438JV2	.25	.57	.12		
				DEP 36K - 122JV2	.25	—	.06	.20 TURRET	
				DEP 36K - 222JV2	.31	—	.09		
				DEP 36K - 222JV2	.31	—	.12		





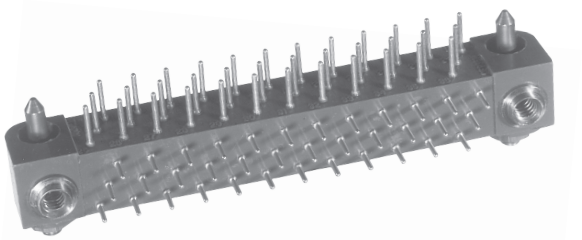
DEP 36WK-9101JV2
RECEPTACLE

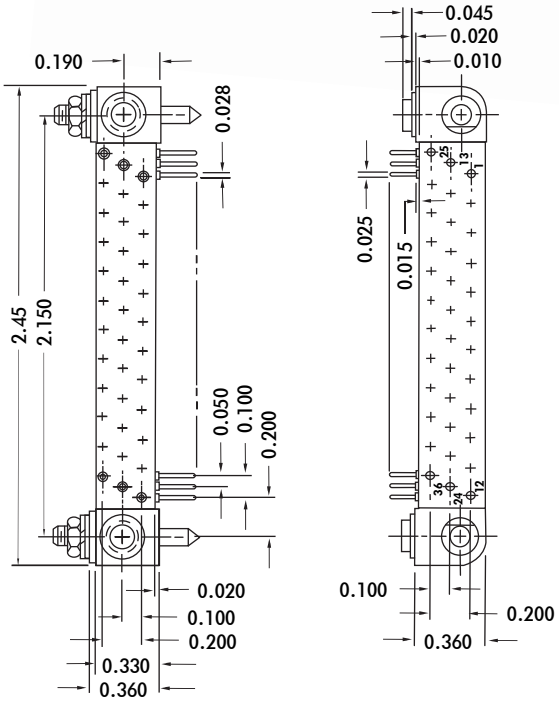


RECEPTACLE

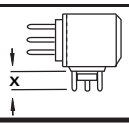
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 14

Questions? Contact Armel Electronics at: 1.800.840.0666





PLUG

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

SPECIFICATIONS

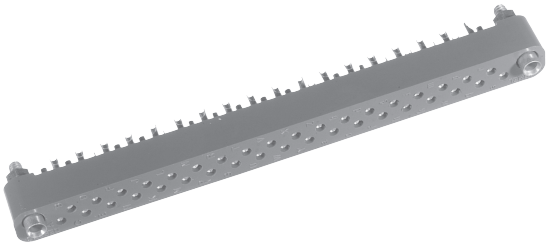
ELECTRICAL

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

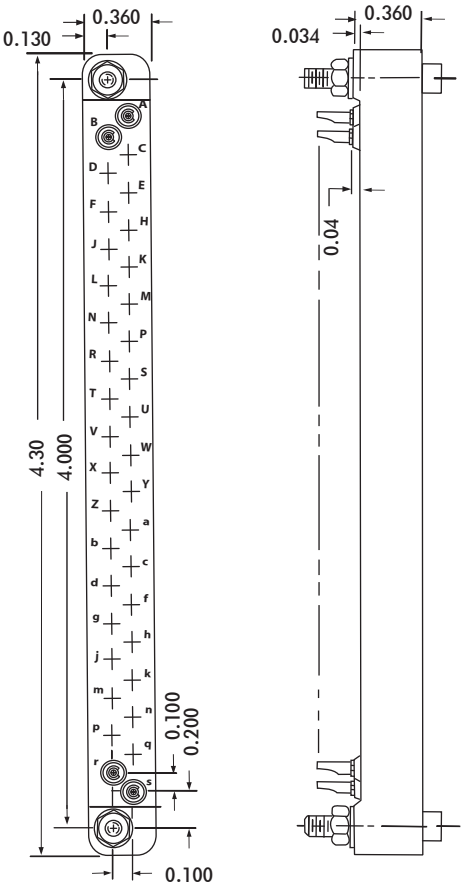
MECHANICAL

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 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 (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

DEP 37 SERIES



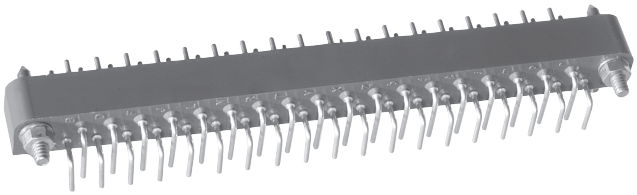
MOUNTING DATA								CONTACT DATA	
RIVET	C	STUD	B	GUIDE	A	X	PANEL THICKNESS		
DEP 37S - 41JV2	.09	DEP 37S - 96JV2	.22	DEP 37S - 1JV2	.25	—	.06	SOLDER CUP	OPEN ENTRY
DEP 37S - 42JV2	.12	DEP 37S - 85JV2	.25	DEP 37S - 5JV2	.33	—	.09		
DEP 37S - 43JV2	.16	DEP 37S - 86JV2	.31	DEP 37S - 5JV2	.33	—	.12		
				DEP 37S - 2JV2	.25	—	.06	TURRET	
				DEP 37S - 6JV2	.33	—	.09		
				DEP 37S - 6JV2	.33	—	.12		
				DEP 37S - 3JV2	.25	—	.06	EYELET	
				DEP 37S - 7JV2	.33	—	.09		
				DEP 37S - 7JV2	.33	—	.12		
				DEP 37S - 34JV2	.25	.11	.06	STRAIGHT PIN	
				DEP 37S - 8JV2	.33	.19	.09		
				DEP 37S - 8JV2	.33	.19	.12		
				DEP 37S - 13JV2	.25	.79	.06	WIRE WRAP	
				DEP 37S - 18JV2	.33	.79	.09		
				DEP 37S - 18JV2	.33	.79	.12		
								SOLDER CUP	CLOSED ENTRY
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	EYELET	
				DEP 37K - 7JV2	.33	—	.09		
				DEP 37K - 7JV2	.33	—	.12		
				DEP 37K-134JT3	.34	.32	.17	STRAIGHT PIN	
				DEP 37K - 4JV2	.33	.19	.06		
				DEP 37K - 8JV2	.33	.19	.09		
				DEP 37K - 8JV2	.33	.19	.12		
				DEP 37K - 433JV2	.25	.60	.06	WIRE WRAP	
				DEP 37K - 438JV2	.31	.60	.09		
				DEP 37K - 438JV2	.31	.60	.12		
		DEP 37K - 591JV2	.22	DEP 37K - 794JV2	.22	.15	.06	RIGHT ANGLE	
		DEP 37K - 594JV2	.25	DEP 37K - 795JV2	.33	.15	.09		
		DEP 37K - 595JV2	.31	DEP 37K - 795JV2	.33	.15	.12		

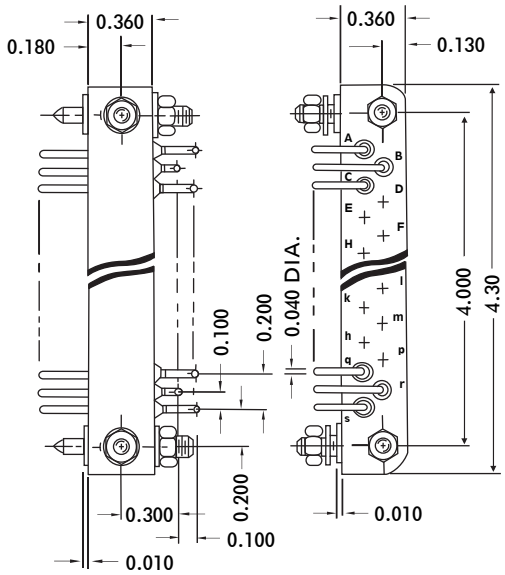


RECEPTACLE

RECOMMENDED CHASSIS CUT-OUT

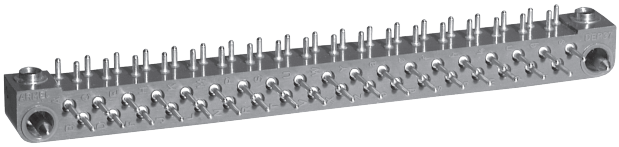
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

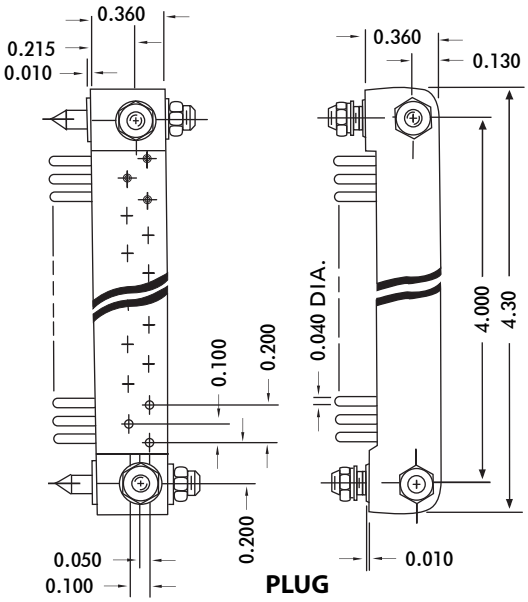




PLUG

CONTACT DATA		MOUNTING DATA							
		PANEL THICKNESS	DIMENSION	NO. 4-40 A		NO. 4-40 B		0.109D. C	
			X	A	GUIDE	B	STUD	C	RIVET
PLUG	RIGHT ANGLE	.06	.14			.22	DEP 37P - 3JV2	.09	DEP 37P - 41JV2
		.09	.14			.25	DEP 37P - 6JV2	.12	DEP 37P - 42JV2
		.12	.20			.31	DEP 37P - 4JV2	.16	DEP 37P - 43JV2
	STRAIGHT	.06	.20	.25	DEP 37P - 31JV2				
		.09	.20	.25	DEP 37P - 32JV2				
		.12	.24	.25	DEP 37P - 33JV2				
	SOLDER-CUP	.06	—	.25	DEP 37P - 91JV2	.22	DEP 37P - 96JV2		
		.09	—	.25	DEP 37P - 91JV2	.25	DEP 37P - 85JV2		
		.12	—	.25	DEP 37P - 91JV2	.31	DEP 37P - 86JV2		

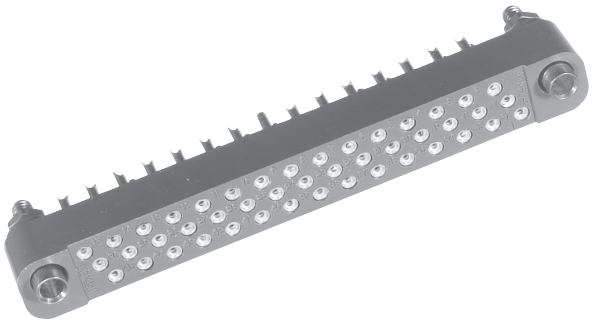




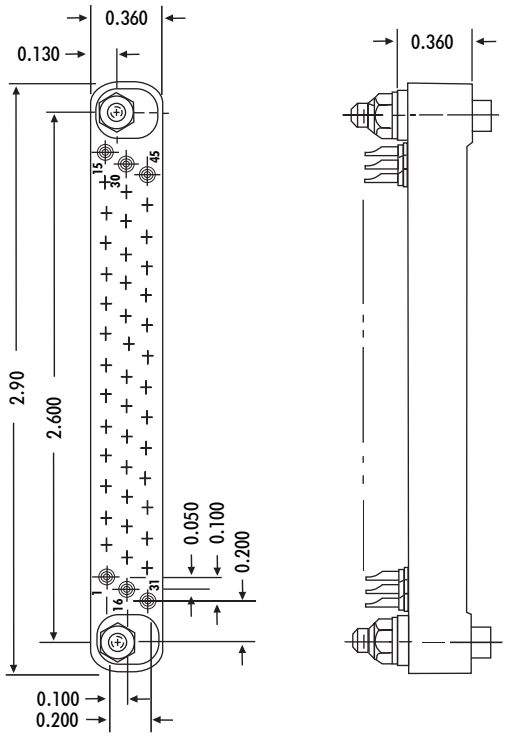
PLUG

CONTACT DATA		MOUNTING DATA							
		BOARD THICKNESS	DIMENSION	NO. 4-40 A NO. 4-40		NO. 4-40 B		0.109D. C	
			X	A	INSERT	B	STUD	C	RIVET
PLUG		.06	.09	.14	DEP 37M - 53JV2	.22	DEP 37M - 3JV2	.09	DEP 37M - 41JV2
		.09	.14	.14	DEP 37M - 519JV2	.25	DEP 37M - 19JV2	.12	DEP 37M - 42JV2
		.12	.16	.14	DEP 37M - 54JV2	.31	DEP 37M - 4JV2	.16	DEP 37M - 43JV2

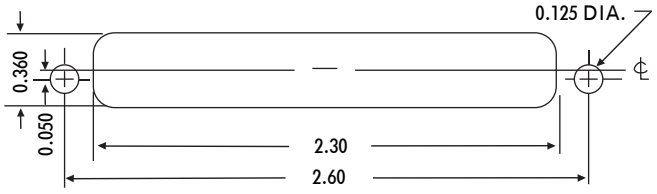
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27



MOUNTING DATA								CONTACT DATA	
RIVET	C	STUD	B	GUIDE	A	DIMENSION X	PANEL THICKNESS		
				DEP 45K-1JV2	.25	.18	.06	SOLDER CUP	CLOSED ENTRY
				DEP 45K-141JV2	.31	.18	.09		
				DEP 45K-141JV2	.31	.18	.12		
				DEP 45K-4JV2	.25	.27	.06	STRAIGHT PIN	
				DEP 45K-8JV2	.31	.27	.09		
				DEP 45K-8JV2	.31	.27	.12		
		DEP 45K-593JV2	.22			.11	.06	RIGHT ANGLE	
							.09		
							.12		
				DEP 45K-122JV2	.25	—	.06	TURRET	
				DEP 45K-222JV2	.31	—	.09		
				DEP 45K-222JV2	.31	—	.12		
				DEP 45K-433JV2	.25	.57	.06	WIRE WRAP	
				DEP 45K-438JV2	.31	.57	.09		
				DEP 45K-438JV2	.31	.57	.12		



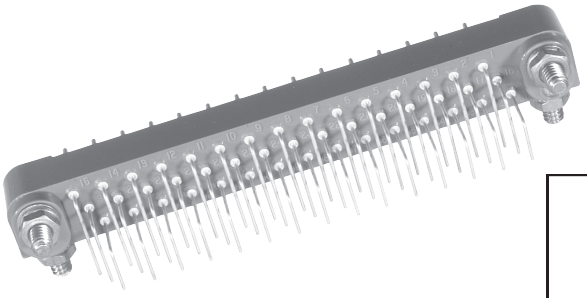
RECEPTACLE

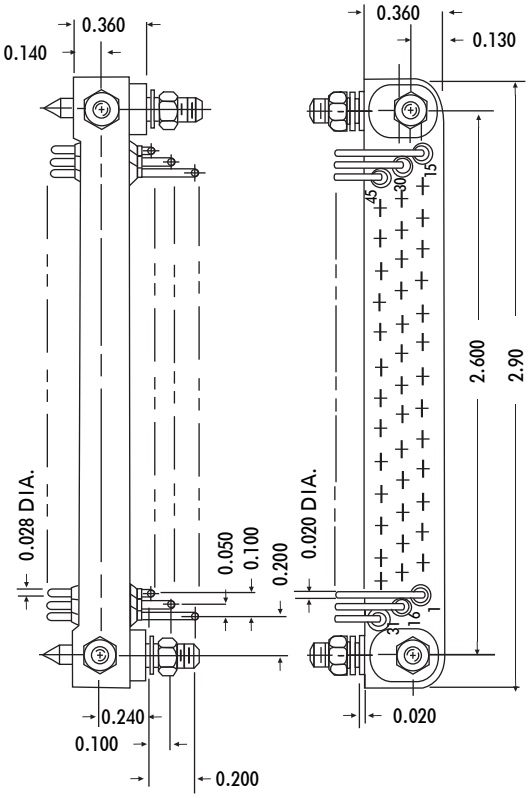


RECOMMENDED CHASSIS CUT-OUT

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 18

Questions? Contact Armel Electronics at: 1.800.840.0666





PLUG

CONTACT DATA		MOUNTING DATA									
		PANEL THICKNESS	DIMENSION	NO. 4-40 A		NO. 4-40 B		0.109D. C		NO. 4-40 D	
		X	A	GUIDE		B	STUD	C	RIVET	D	INSERT
PLUG	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

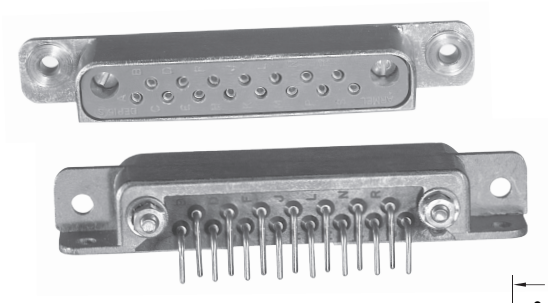
APPROXIMATE WEIGHT

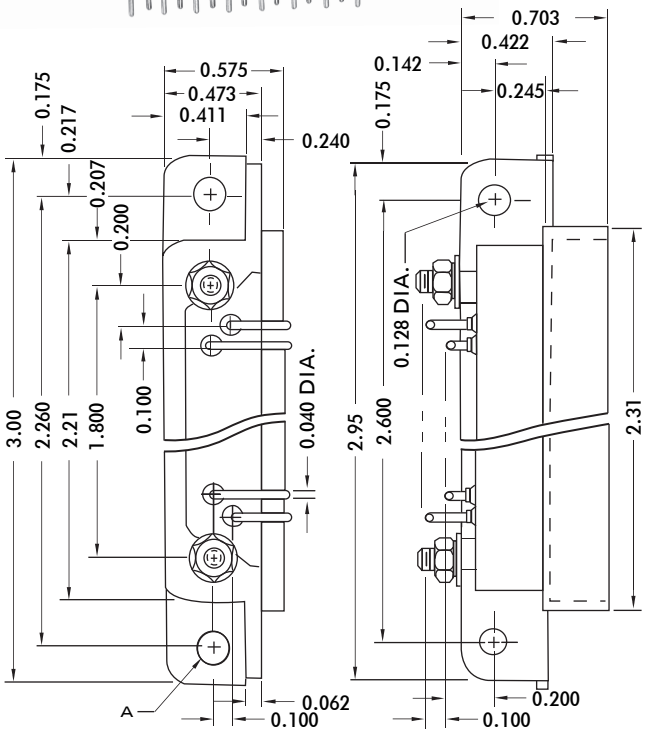
DEP45 (pin)	1 oz.
DEP45 (socket)	1 oz.

DEP 15 SHELLS

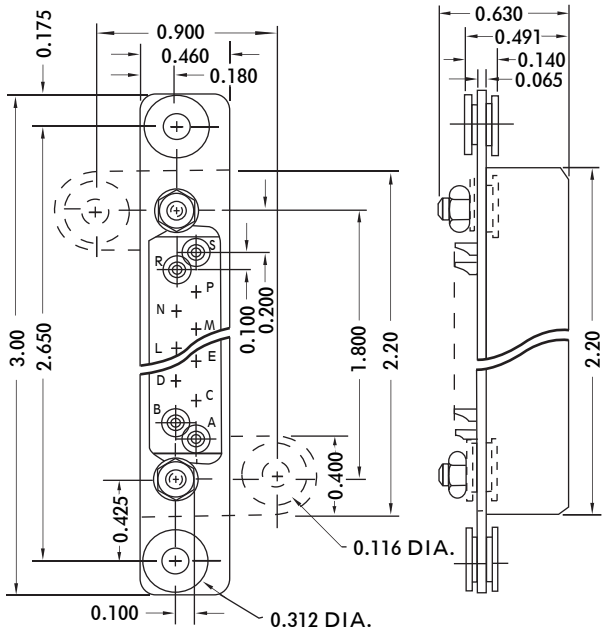
MOUNTING DATA					CONTACT DATA	
"A" DIA. / PRINTED CIRCUIT CARD			DIMENSION	PANEL THICKNESS		
"A" DIA. .21	"A" DIA. .16	"A" DIA. .12	X			
DEP15PHA-3JV2	DEP15PHA-2JV2	DEP15PHA-1JV2	.15	.06	RIGHT ANGLE	PLUG
DEP15PHA-3JV2	DEP15PHA-2JV2	DEP15PHA-1JV2	.15	.09		
DEP15PHA-6JV2	DEP15PHA-5JV2	DEP15PHA-4JV2	.21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

MOUNTING DATA			CONTACT DATA		
		DIMENSION			
		X			
DEP15SHSA-1JV2	DEP15SHA-1JV2	.11	SOLDER CUP	OPEN ENTRY	RECEPTACLE
DEP15SHSA-3JV2	DEP15SHA-3JV2	.17	EYELET		
DEP15SHSA-4JV2	DEP15SHA-4JV2	.14	STRAIGHT		
DEP15SHSA-28JV2	DEP15SHA-28JV2	.17			
DEP15SHSA-13JV2	DEP15SHA-13JV2	.72	0.045 SQ. WIRE WRAP		
DEP15KHSA-1JV2	DEP15KHA-1JV2	.11	SOLDER CUP	CLOSED ENTRY	RECEPTACLE
DEP15KHSA-3JV2	DEP15KHA-3JV2	.17	EYELET		
DEP15KHSA-4JV2	DEP15KHA-4JV2	.14	STRAIGHT		





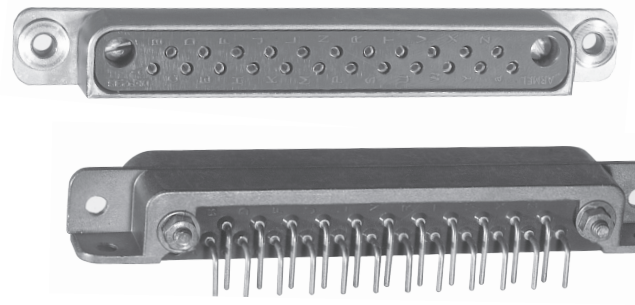
PLUG

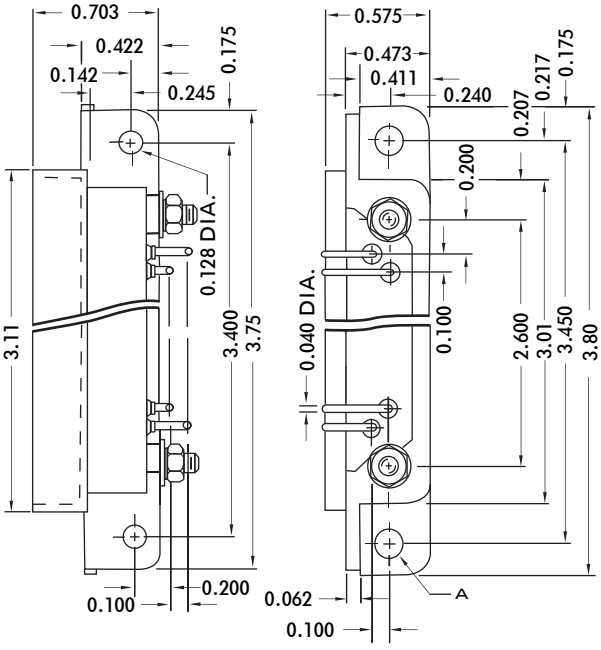


RECEPTACLE

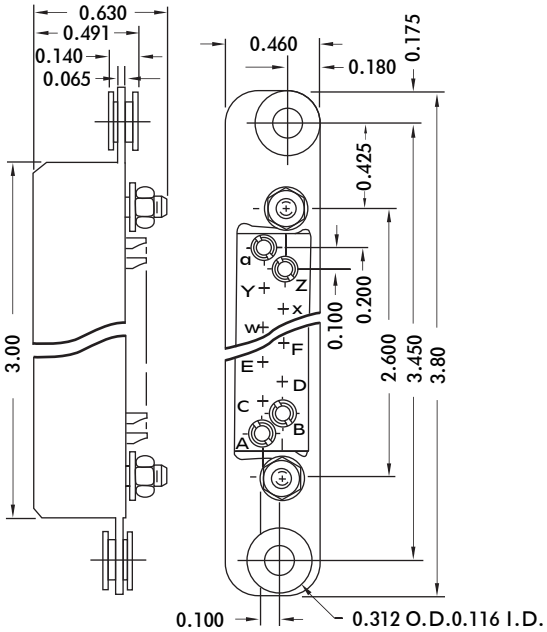
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

Questions? Contact Armel Electronics at: 1.800.840.0666





PLUG



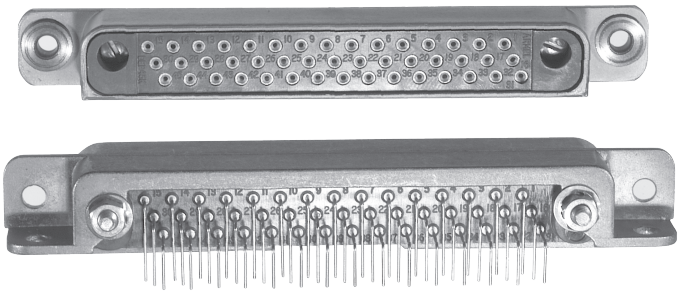
RECEPTACLE

CONTACT DATA		MOUNTING DATA			
		PANEL THICKNESS	DIMENSION X	"A" DIA. .12	"A" DIA. .16	"A" DIA. .21
PLUG	RIGHT ANGLE	.06	.15	DEP23PHA-1JV2	DEP23PHA-2JV2	
		.09	.15	DEP23PHA-1JV2	DEP23PHA-2JV2	
		.12	.21	DEP23PHA-4JV2		
	STRAIGHT	—	.07	DEP23PHA-21JV2	DEP23PHA-22JV2	
		—	.17	DEP23PHA-24JV2	DEP23PHA-25JV2	
		—	.21	DEP23PHA-27JV2	DEP23PHA-28JV2	
	SOLDER CUP	—	.16	DEP23PHA-92JV2	DEP23PHA-93JV2	
		—	.16	DEP23PHA-92JV2	DEP23PHA-93JV2	
		—	.16	DEP23PHA-92JV2	DEP23PHA-93JV2	

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

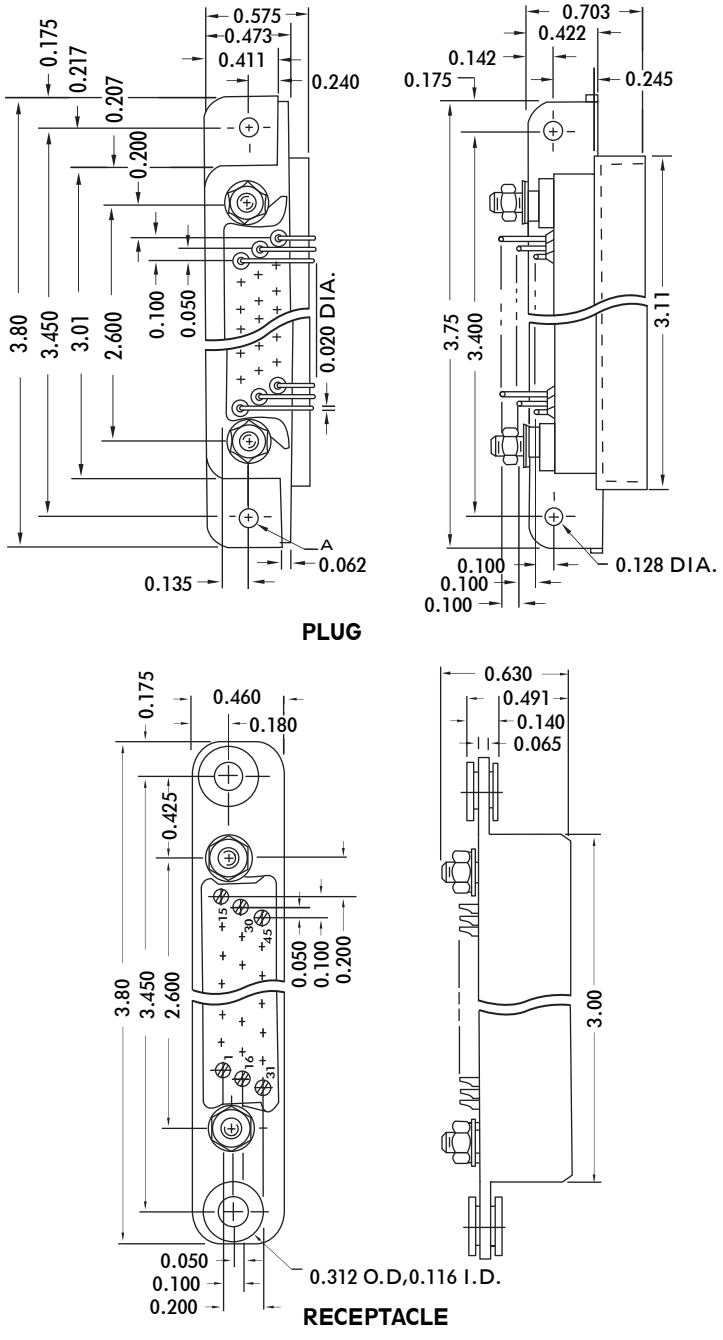
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

DEP 45 SHELLS



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

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



FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

Questions? Contact Armel Electronics at: 1.800.840.0666

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.

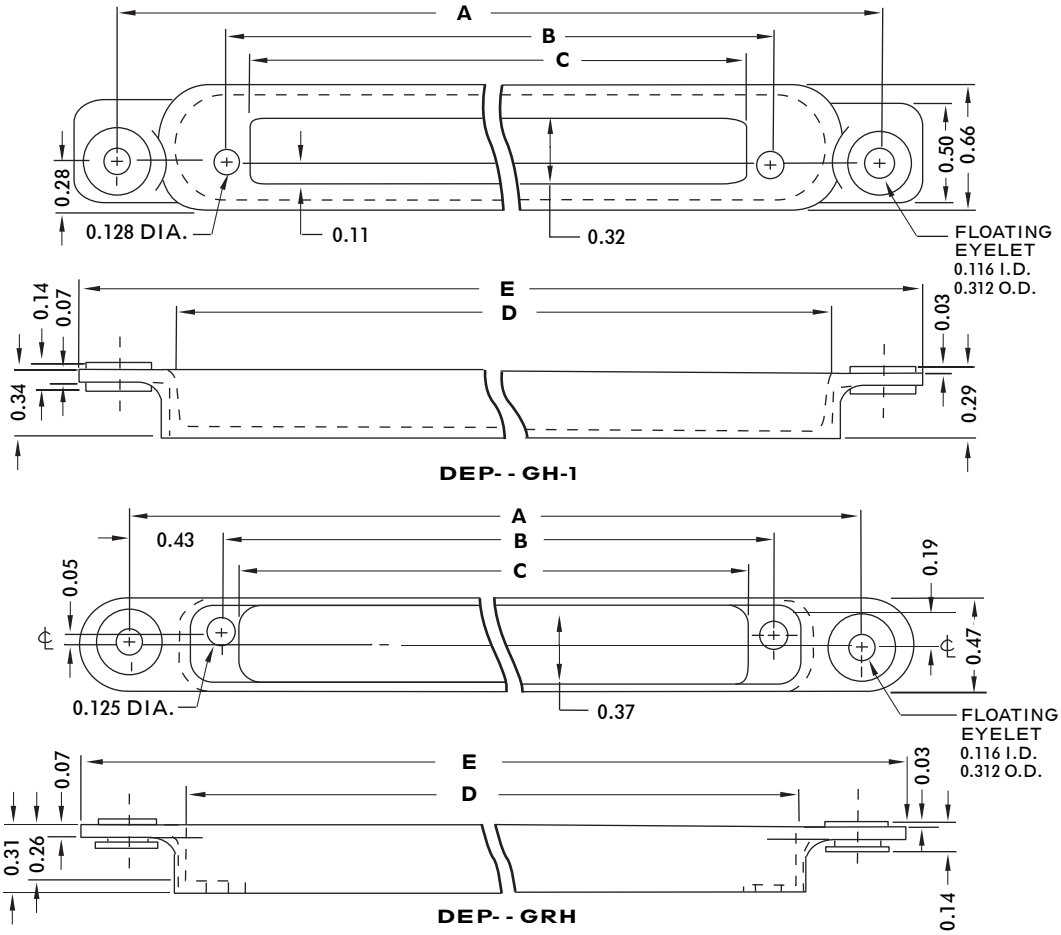
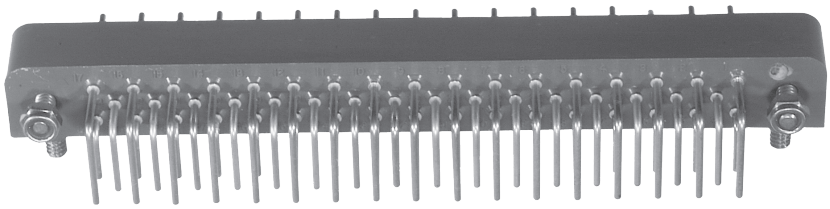
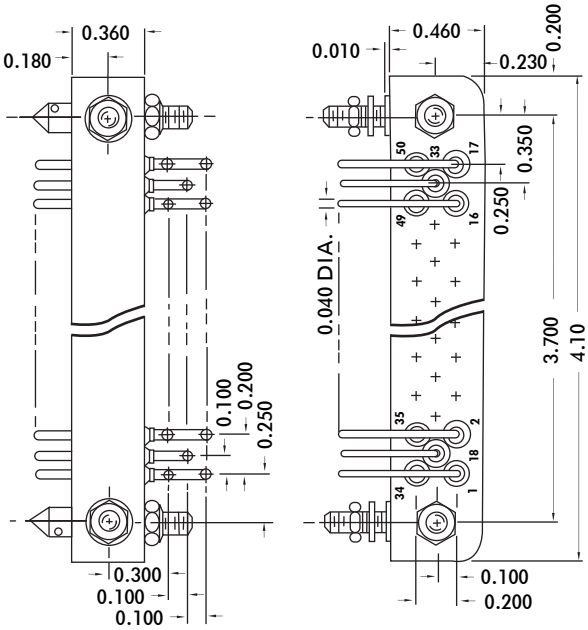


TABLE 1					
TYPE	"A"	"B"	"C"	"D"	"E"
DEP11GH-1	2.46	1.40	1.20	1.92	2.86
DEP15GH-1	2.86	1.80	1.60	2.32	3.26
DEP23GH-1	3.66	2.60	2.40	3.12	4.06
DEP37GH-1	5.06	4.00	3.80	4.52	5.46
DEP11GRH	2.26	1.40	1.20	1.71	2.73
DEP15GRH	2.66	1.80	1.60	2.11	3.13
DEP23GRH	3.46	2.60	2.40	2.91	3.93
DEP37GRH	4.86	4.00	3.80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

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

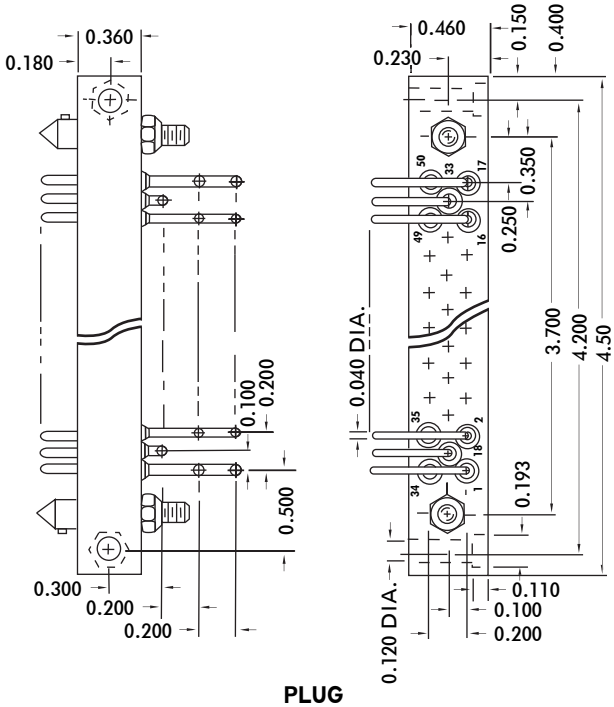
LP 50 SERIES





PLUG

CONTACT DATA		MOUNTING DATA								
		PANEL THICKNESS	DIMENSION	No. 4-40 A		No. 4-40 B		0.109D C		
			X	A	GUIDE	B	STUD	C	RIVET
PLUG	RIGHT ANGLE	.06	.15	.25	LP50P-859JV2	.25	LP50P-857JV2	.16	LP50P-861JV2
		.09	.15	.25	LP50P-859JV2	.25	LP50P-857JV2	.16	LP50P-861JV2
		.12	.15	.25	LP50P-859JV2	.25	LP50P-857JV2	.16	LP50P-861JV2
	STRAIGHT	.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	.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

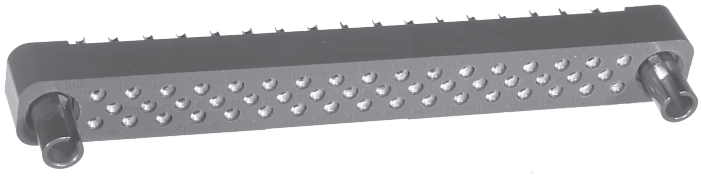


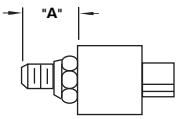
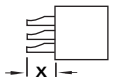
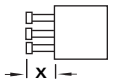
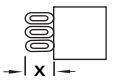
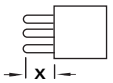
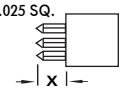
PLUG

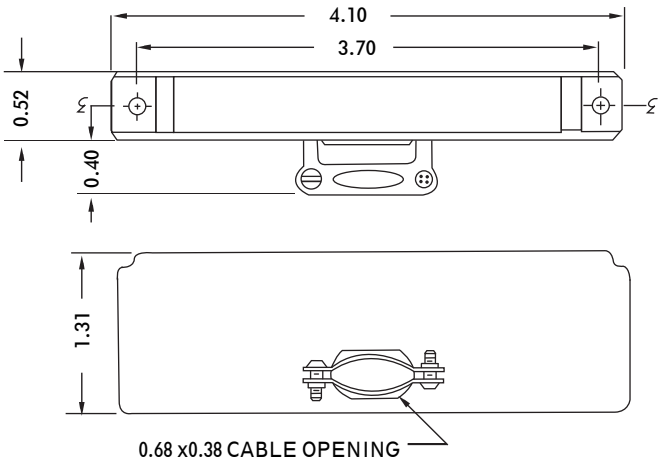
CONTACT DATA		MOUNTING DATA						
		PANEL THICKNESS	DIMENSION	No. 4-40 "A"		"A"		
			X	A	GUIDE	A	THRU HOLE	
PLUG	RIGHT ANGLE	.06	.15			.25	LP50P-6JV2	
		.09	.15			.25	LP50P-6JV2	
		.12	.21			.25	LP50P-1JV2	
	STRAIGHT	.06	.20	.25	LP50P-92JV2	.25	LP50P-92JV2	
		.09	.23	.25	LP50P-93JV2	.25	LP50P-93JV2	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

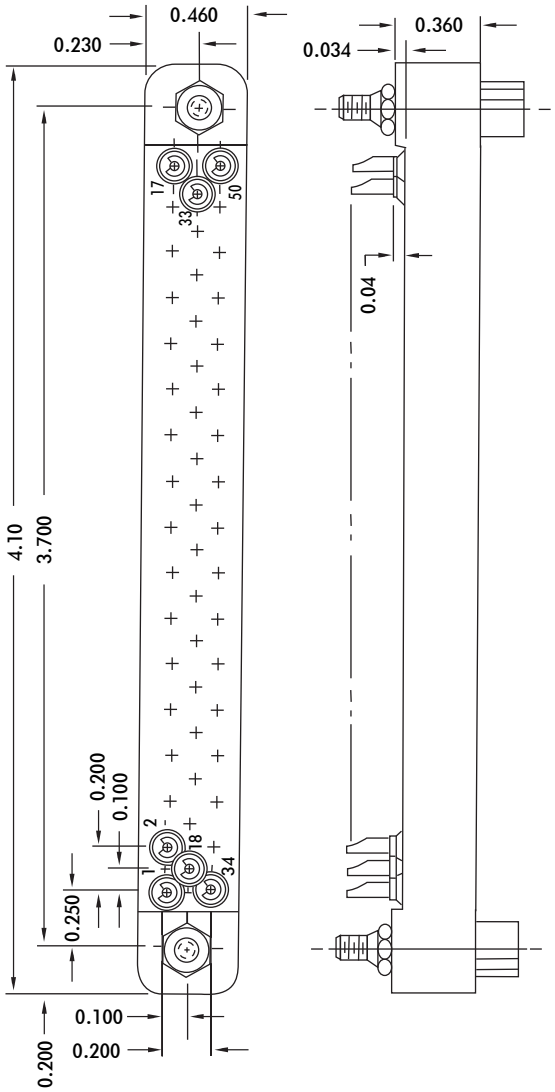
Questions? Contact Armel Electronics at: 1.800.840.0666



MOUNTING DATA					CONTACT DATA	
		DIMENSION		PANEL THICKNESS		
CLOSED ENTRY CONTACT	OPEN ENTRY CONTACT	A	X			
LP50K-201JV2	LP50S-201JV2	.25	.17	.06	 SOLDER CUP	RECEPTACLE
LP50K-201JV2	LP50S-201JV2	.25	.17	.09		
				.12		
	LP50S-6JV2	.25	.22	.06	 TURRET	
	LP50S-6JV2	.25	.22	.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		
LP50K-277JV2				.06	 WIRE WRAP	
LP50K-277JV2				.09		
				.12		

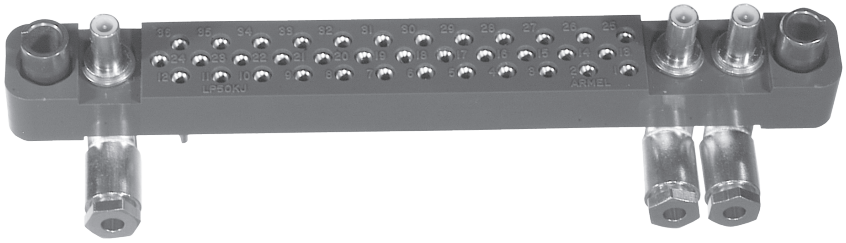


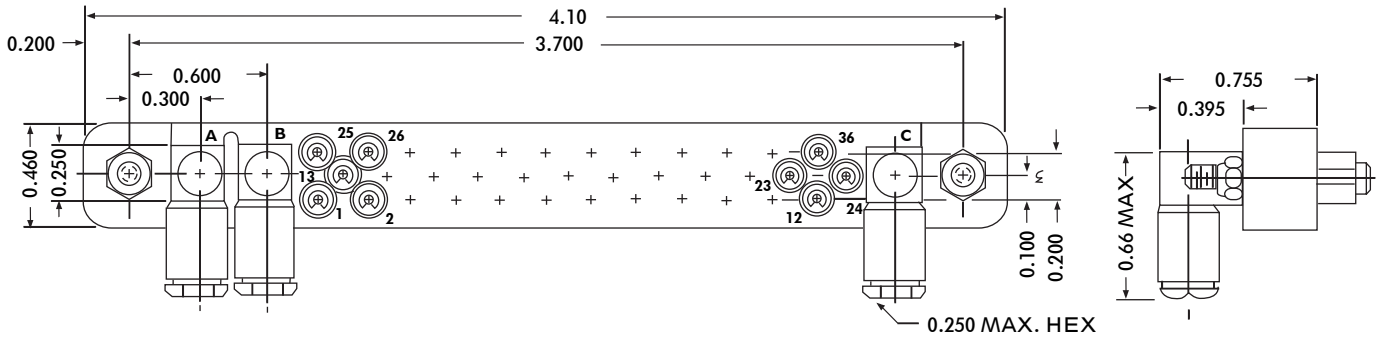
Hood No. LP50H3
Available with Locking Device

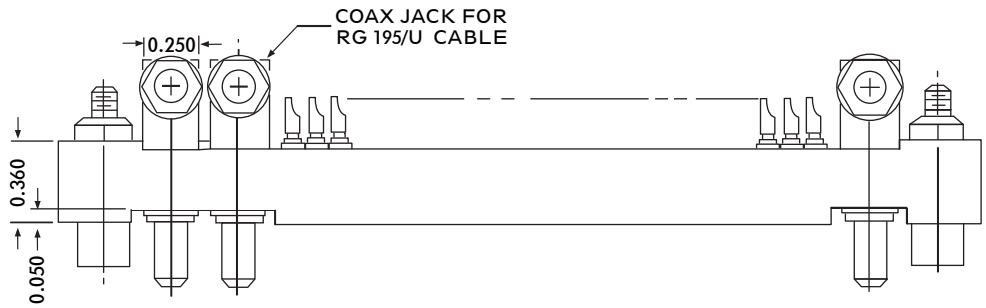


RECEPTACLE

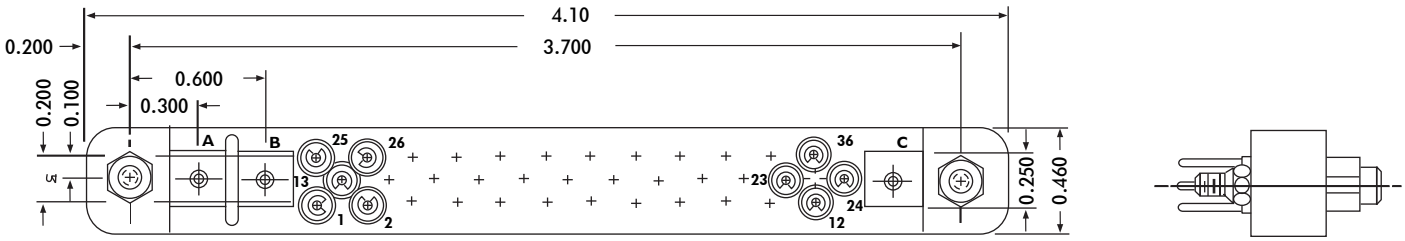
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27

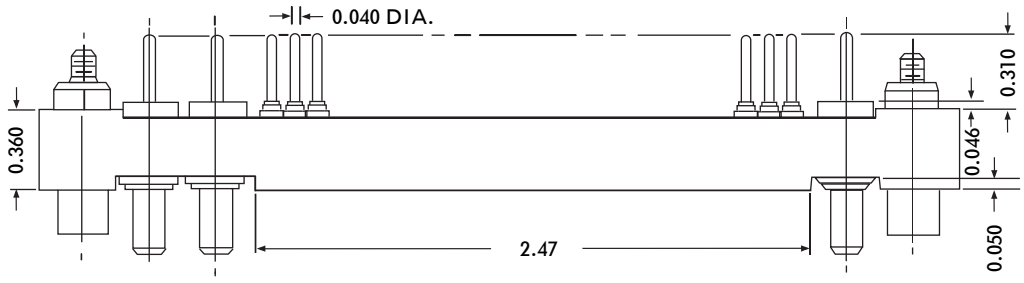






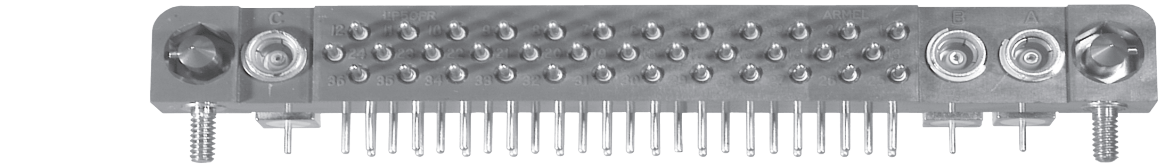
LP 50KJ-671JV2

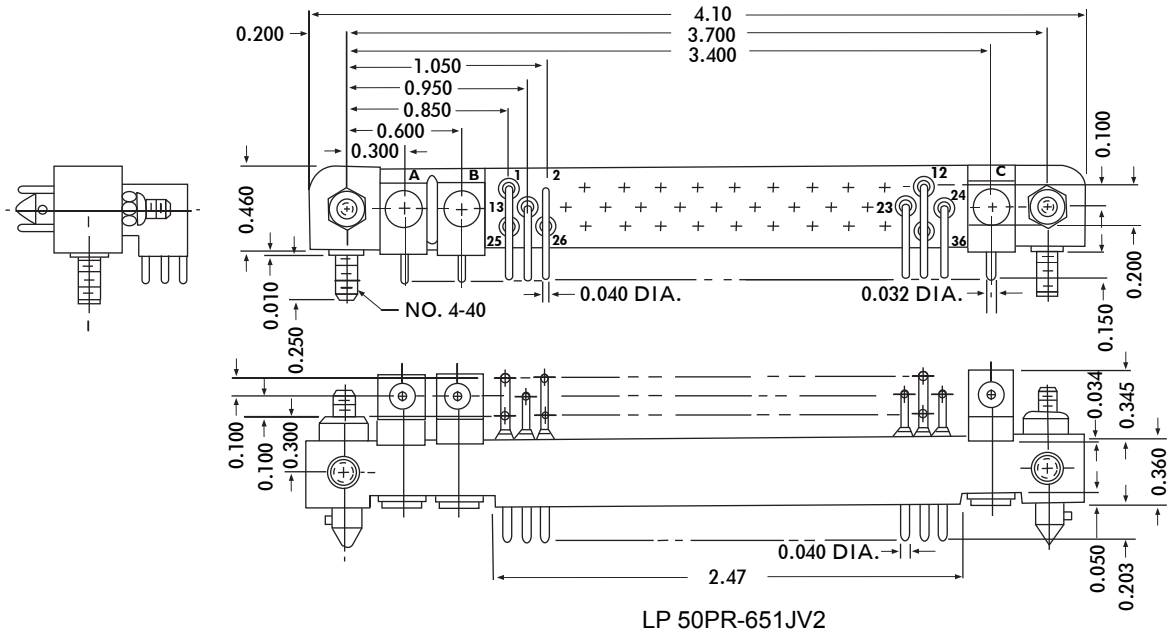




LP 50KJ-244JV2

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 27





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	Berylium 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 (.000005/.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.

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

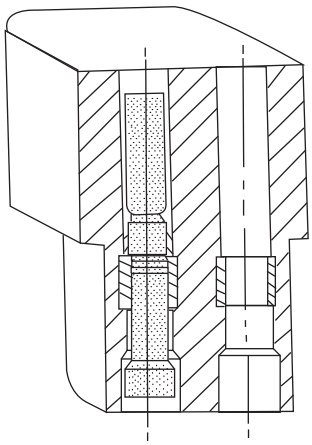
MECHANICAL

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

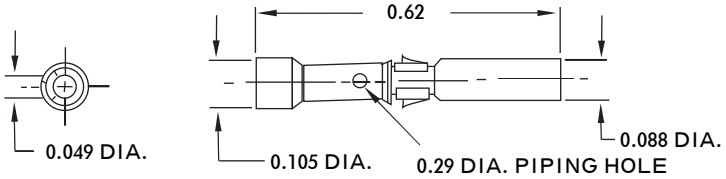
NOTE: DEP-M Type plugs are only available in "J" material.
DEP-P Type plugs and all receptacles are available in "J" or "H" material.
For Color and material compatibility when ordering plugs and receptacles we recommend one type of insulation material be specified.

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)	.33 oz.
DEP 11 (pin)	.44 oz.
DEP 15 (pin)	.51 oz.
DEP 15 (pin-shell)	.87 oz.
DEP 23 (pin)	.63 oz.
DEP 23 (pin-shell)	1.10 oz.
DEP 36 (pin)	.43 oz.
DEP 37 (pin)	.94 oz.
LP 50 (pin)	1.80 oz.
DEP 7 (socket)	.26 oz.
DEP 11 (socket)	.32 oz.
DEP 15 (socket)	.40 oz.
DEP 15 (socket-shell)	.67 oz.
DEP 23 (socket)	.52 oz.
DEP 23 (socket-shell)	.85 oz.
DEP 36 (socket)	.45 oz.
DEP 37 (socket)	.70 oz.
LP 50 (socket)	1.30 oz.

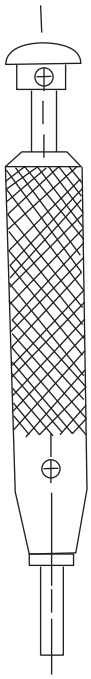
Questions? Contact Armel Electronics at: 1.800.840.0666



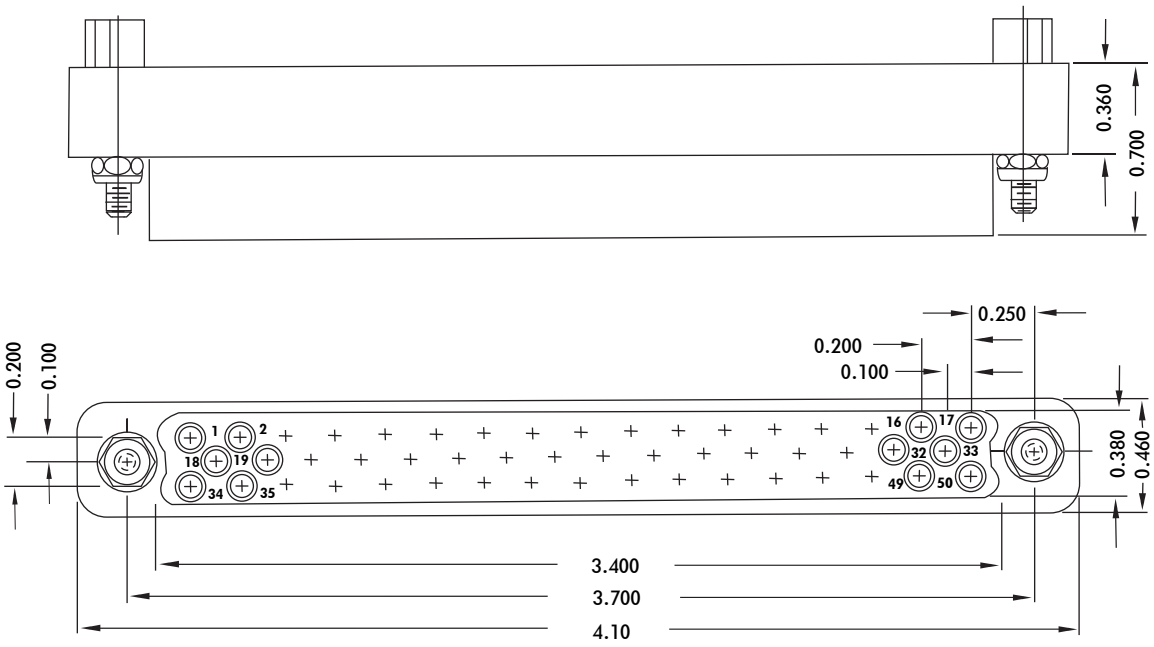
Crimp
Removable Contacts



Closed Entry Contact
No. 1007003-1



Removing Tool
No. T9066-1



LP 50CK-270J

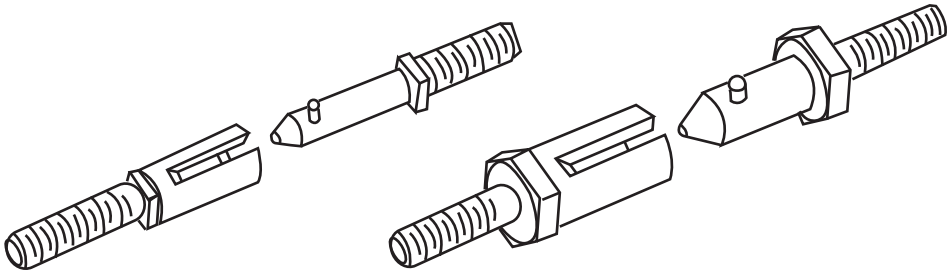
SPECIFICATIONS

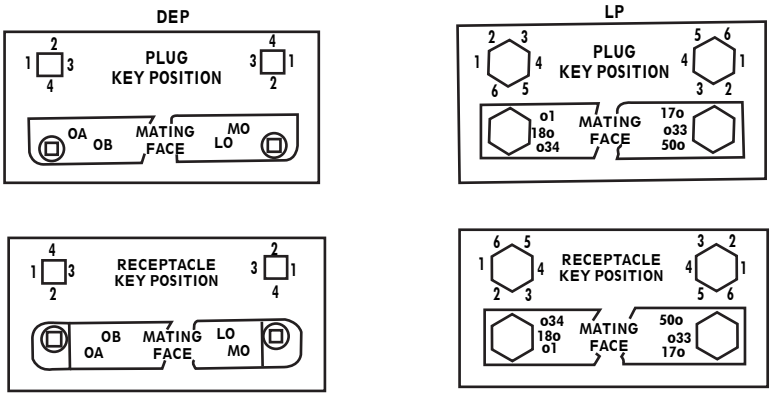
Current Rating	7.5 amperes
Contact Size	0.040 Inch
Terminal Accomodation	One No. 18, One No. 20, One or Two No. 22, Two or Three No. 24 AWG Wire
Contact Material & Plating (Sleeve-Brass)	Phosphor, Bronze, Gold Plated (0.000050 inch) per MIL-G-45204, Type II, Class I, Over Copper Plate
Contact Retaining 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

KEYED PILOT ARRANGEMENTS

64 (DEP Series)
144 (LP Series)

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





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

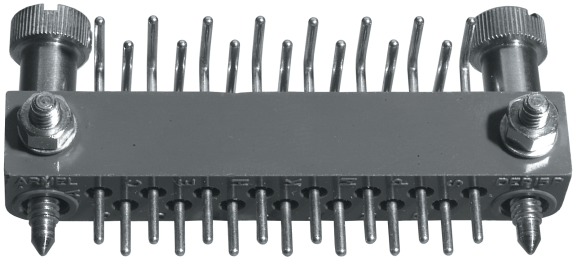
- Insulation Material
- Second and Third Symbol (1-4) or (1-6)
- First Symbol (A-D) Pilot Arrangement

Material and Finish
Stainless Steel, Passivated

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

Questions? Contact Armel Electronics at: 1.800.840.0666

DEP-LP LOCKING DEVICE



DEP 15P-3-15JV2

DEP 15S-1-02JV2

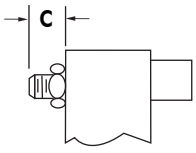


FIG.1

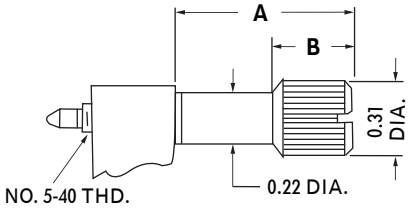


FIG.3

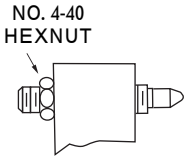


FIG.2

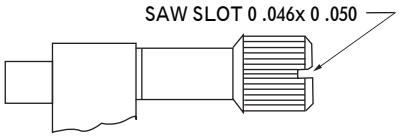


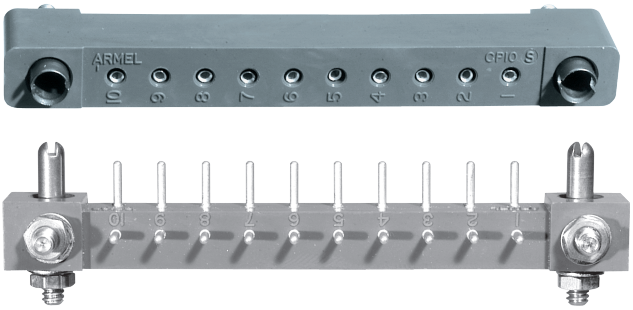
FIG.4

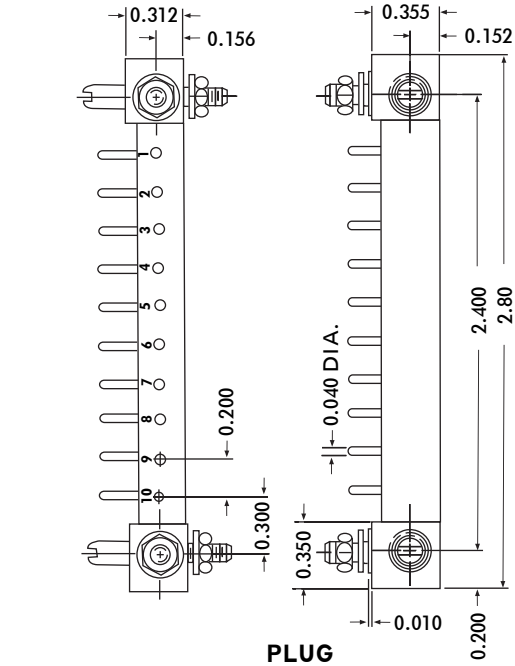
LOCKING DEVICE - PLUG OR RECEPTACLE									
PART NO.	ROTATING PIN	ROTATING SOCKET	NON-ROTATING PIN	NON-ROTATING SOCKET	FIG. NO.	DIMENSION ?A?	DIMENSION ?B?	DIMENSION ?C?	
-07				2	1			.31	
-08				2	1			.16	
-12	2				3	.76	.33		
-14	2				3	.61	.26		
-15	2				3	.44	.16		
-16	2				3	.36	.16		
-25			1	1	1-2			.16	**
-28			1	1	1-2			.31	**
-31	1	1			3-4	.76	.33		*
-33	1	1			3-4	.61	.26		*
-34	1	1			3-4	.44	.16		*
-35	1	1			3-4	.39	.31		*
-36	1	1			3-4	.36	.16		*
-45			2		2			.31	
-46			2		2			.16	
-52		2			4	.76	.33		
-54		2			4	.61	.26		
-55		2			4	.44	.16		
-56		2			4	.36	.16		
-65			1	1	1-2			.16	*
-68			1	1	1-2			.31	*
-71	1	1			3-4	.76	.33		**
-73	1	1			3-4	.61	.26		**
-74	1	1			3-4	.44	.16		**
-75	1	1			3-4	.39	.31		**
-76	1	1			3-4	.36	.16		**

*** PILOT PIN ADJACENT TO CONTACT "A".**
**** PILOT SOCKET ADJACENT TO CONTACT "A".**
. MAY BE USED WITH CABLE BRACKETS DETAILED ON PAGE 36

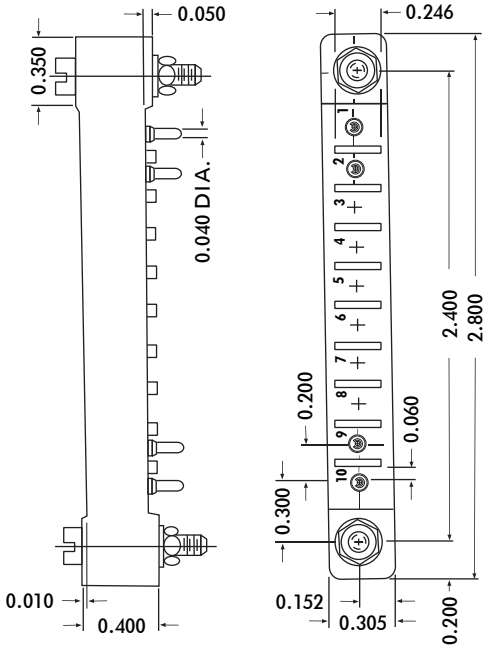
LOCKING DEVICE:
Positive Locking Device Hardware prevents disengagement during vibration and shock and avoids accidental disconnect.

MATERIAL AND FINISH:
LOCKING DEVICE: Stainless Steel, Passivated
HEXNUTS, SPLIT LOCKWASHERS & FLAT WASHERS
stainless steel, passivated.





PLUG

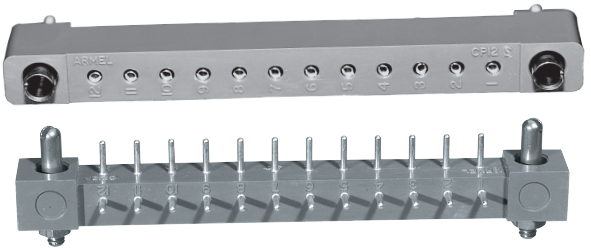


RECEPTACLE

CONTACT DATA		MOUNTING DATA						
		PANEL THICKNESS	DIMENSION	A — No. 4-40		B — No. 4-40	C — 0.109D	
			X	A	INSERT	B	STUD	C	RIVET
PLUG	x	.06	.12			.23	CP10P-3JV2		
		.09							
		.12							

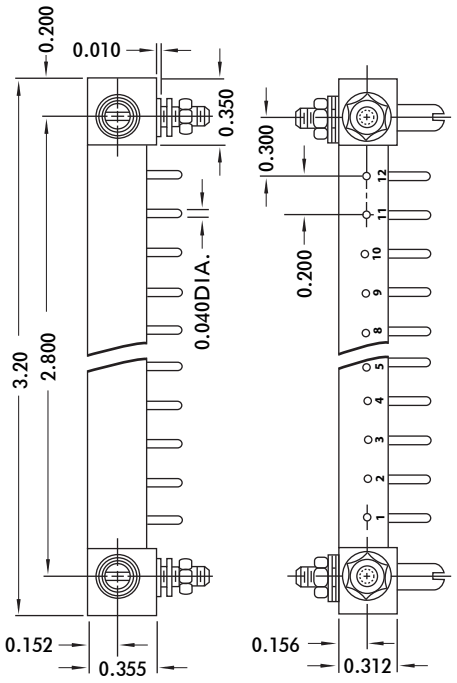
CONTACT DATA			MOUNTING DATA						
			PANEL THICKNESS	DIMENSION	No. 4-40 — A		No. 4-40 — B	0.109D — C	
				X	A	GUIDE	B	STUD	C	RIVET
RECEPTACLE OPEN ENTRY	SOLDER CUP	x								
	TURRET	x								
	EYELET	x								
	STRAIGHT PIN	x	.06							
			.09							
			.12	.13	.28	CP10S-3JV2				

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 33

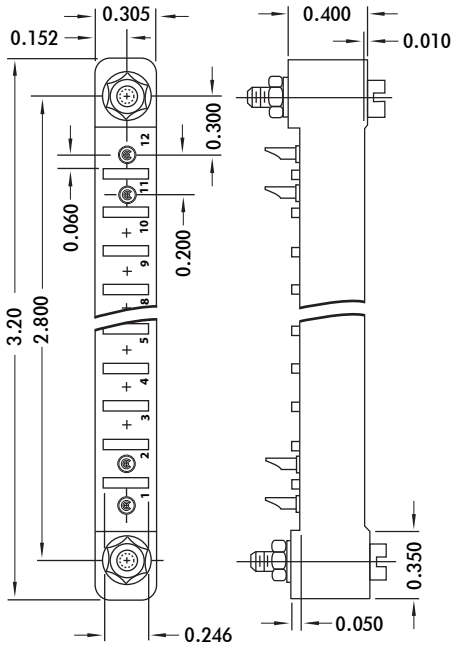


MOUNTING DATA								CONTACT DATA	
0.109D, C		No. 4-40, No. 4-40, B		A	DIMENSION		PANEL THICKNESS		
RIVET	C	STUD	B	GUIDE	A	X			PLUG
				CP12P-5JV2	.19	.12	.06	X	
							.09		
							.12		

MOUNTING DATA								CONTACT DATA		
C, 0.109D		B, No. 4-40		No. 4-40, A	DIMENSION		PANEL THICKNESS			
RIVET	C	STUD	B	GUIDE	A	X			OPEN ENTRY	RECEPTACLE
							.06	SOLDER CUP		
							.09			
				CP12S-105JV2	.28	.15	.12			
							.06	TURRET		
							.09			
							.12			
							.06	EYELET		
							.09			
							.12			
							.06	STRAIGHT PIN		
							.09			
				CP12S-5JV2	.28	.13	.12			



PLUG



RECEPTACLE

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 33

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

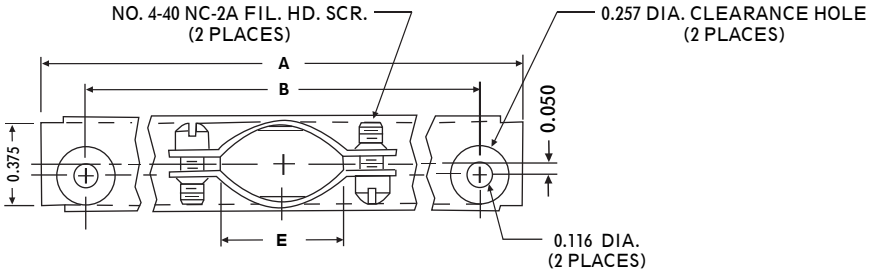
CP 10 (pin)	.40 oz.
CP 10 (socket)	.40 oz.
CP 12 (pin)	.45 oz.
CP 12 (socket)	.45 oz.

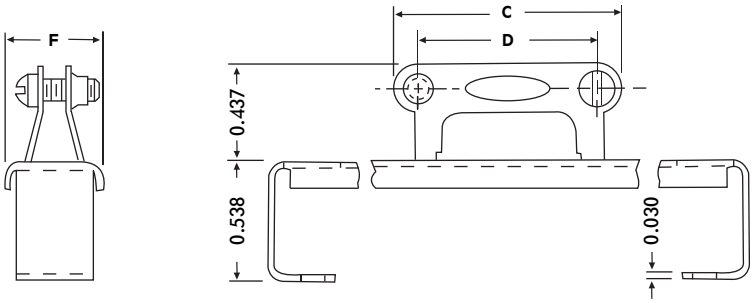
SPECIFICATIONS

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

Questions? Contact Armel Electronics at: 1.800.840.0666

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

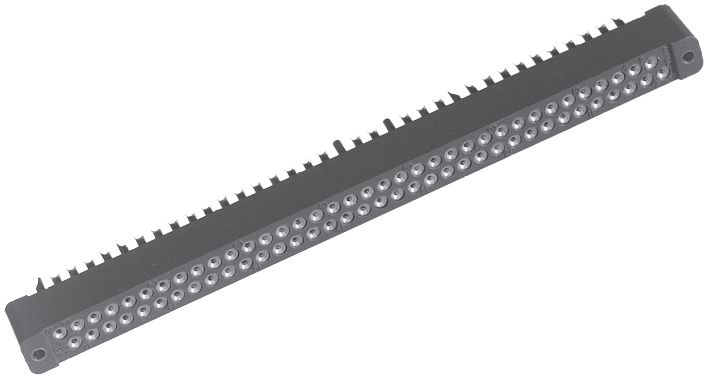
TYPE	A	B	C	D	E	F
DEP-11CB-2	1.800	1.400	0.843	0.625	0.406	0.440
DEP-15CB-2	2.200	1.800	1.031	0.812	0.562	0.440
DEP-23CB-2	3.000	2.600	1.031	0.812	0.562	0.440
DEP-36CB-2	2.550	2.150	1.031	0.812	0.562	0.440
DEP-37CB-2	4.400	4.000	1.118	0.900	0.688	0.440
DEP-45CB-2	3.000	2.600	1.031	0.812	0.562	0.440

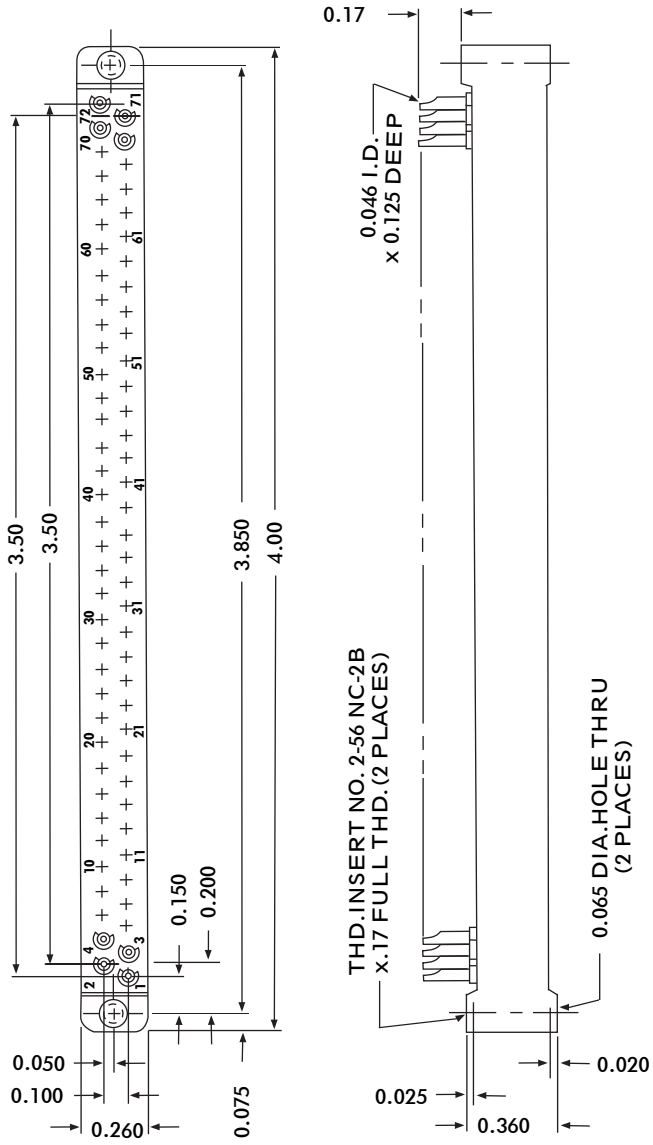
1. MATERIAL :

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

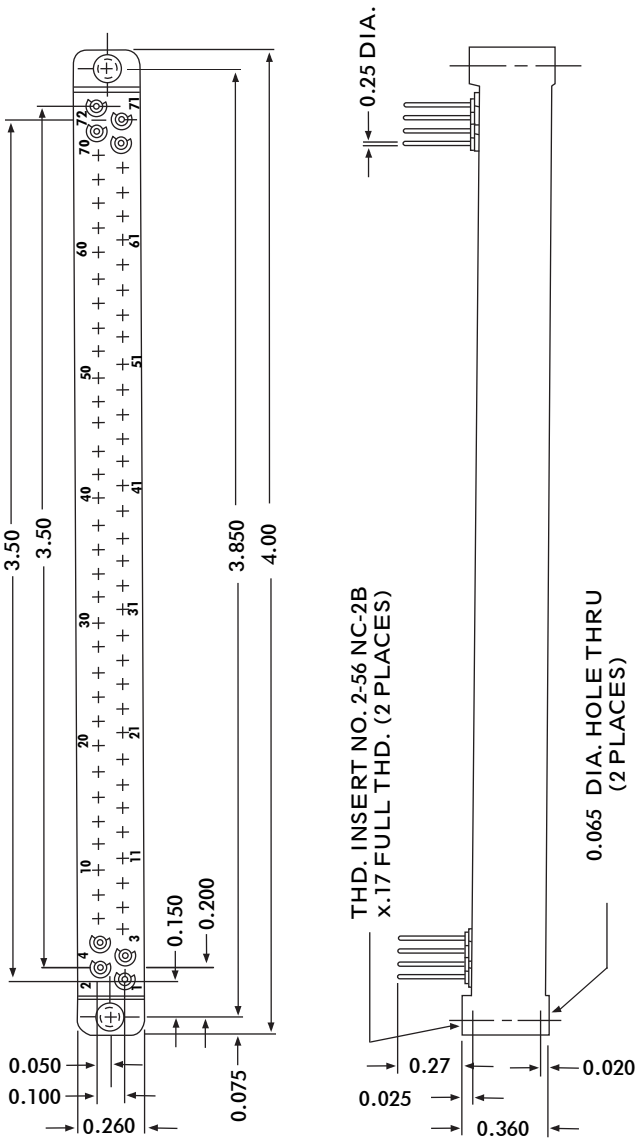
2. FINISH :-

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





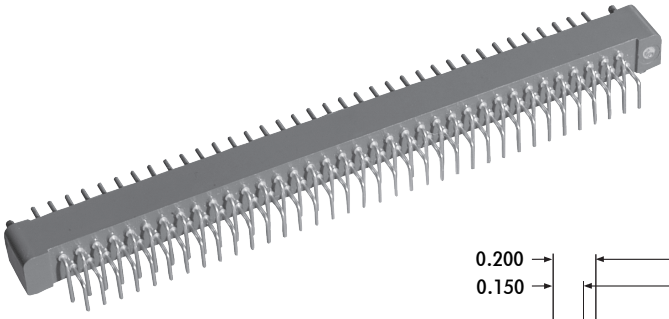
AEP72K-1JV2

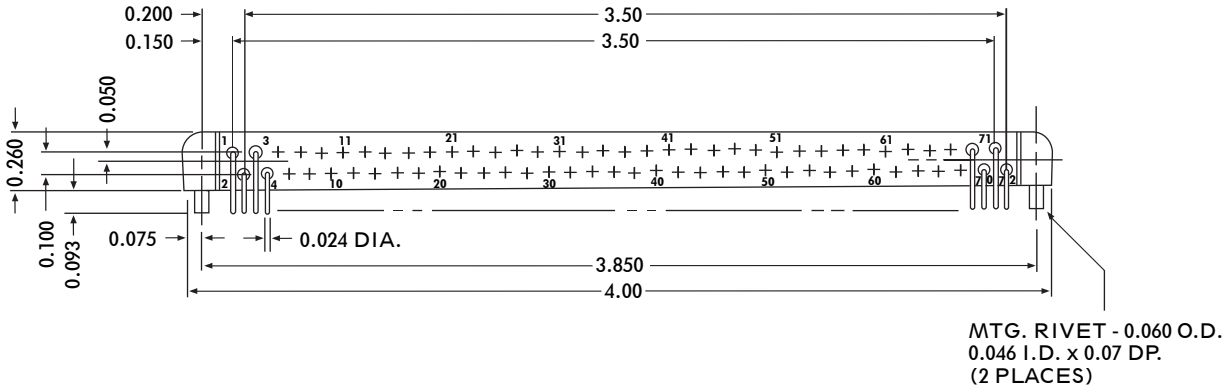


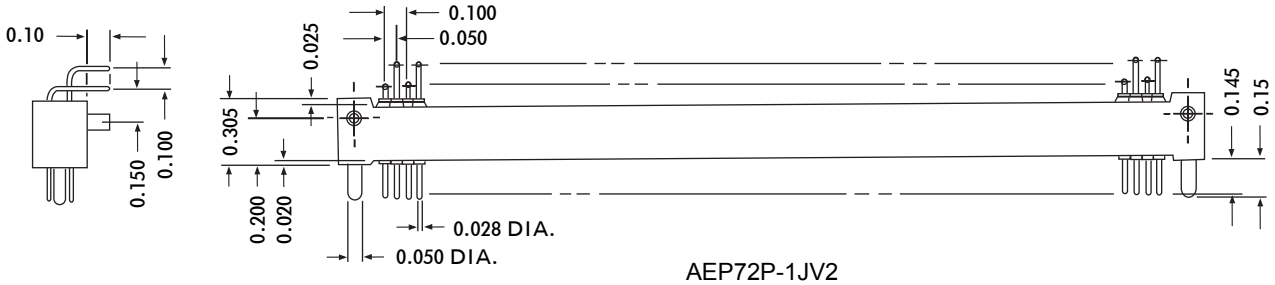
AEP72K-4JV2

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 36

Questions? Contact Armel Electronics at: 1.800.840.0666







AEP72P-1JV2

SPECIFICATIONS

ELECTRICAL

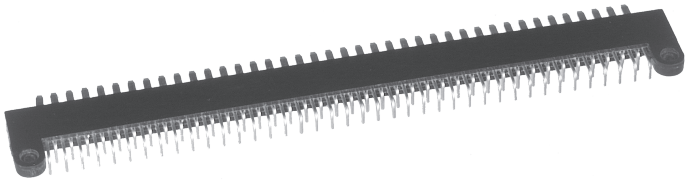
Contact Rating	3 amperes
Solder Cup Accomodation	One #24 AWG Wire
Dielectric Withstanding Voltage	
Contact to Contact, Sea Level	1000 Volts RMS Minimum
Contact to Contact, 70,000 Ft.	300 Volts RMS Minimum

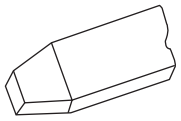
MECHANICAL

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

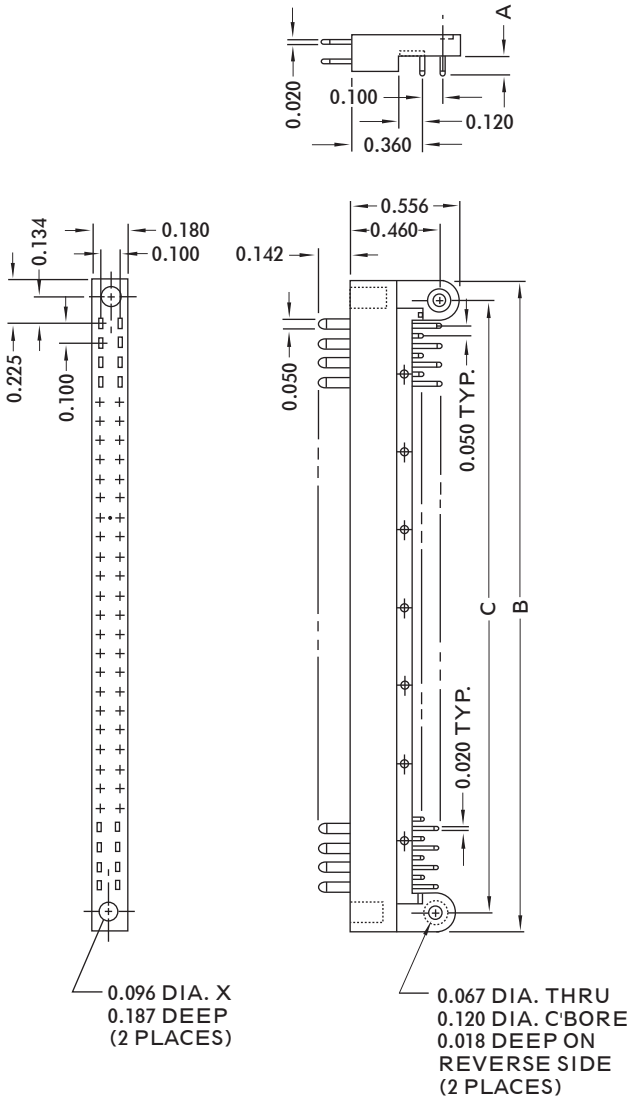
Approximate Weight

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





BLADE
CONTACTS



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

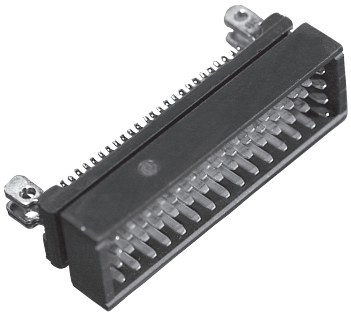
ELECTRICAL

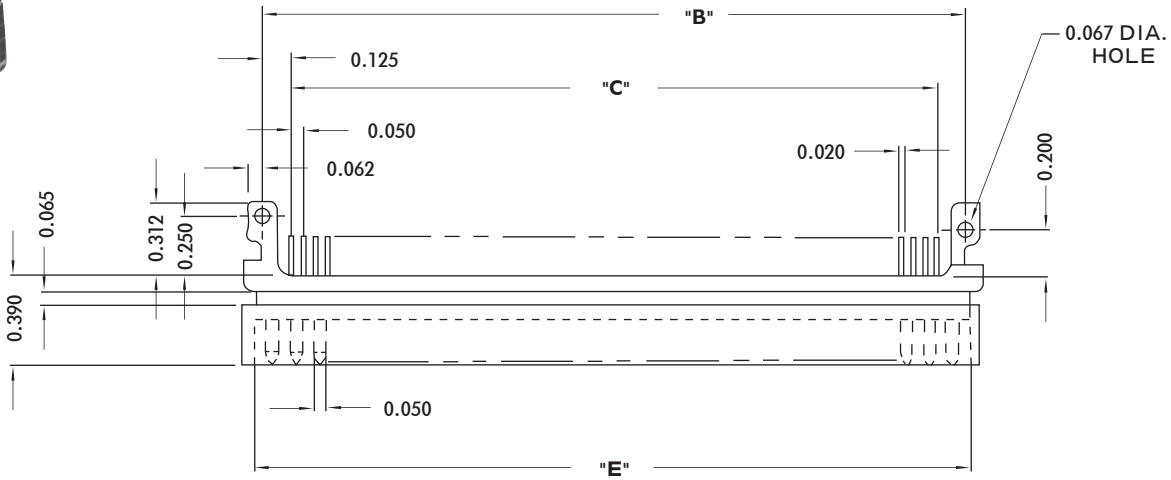
Current Rating . . . . . 3 amperes
Dielectric Withstanding Voltage . . . .
Contact to Contact
Sea Level . . . . . 1500 Volts
70,000 Feet . . . . . 375 Volts

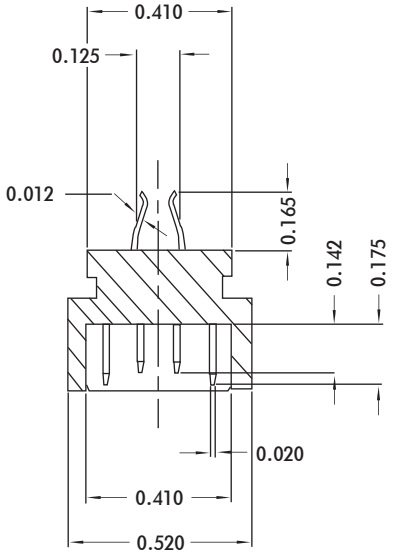
MECHANICAL

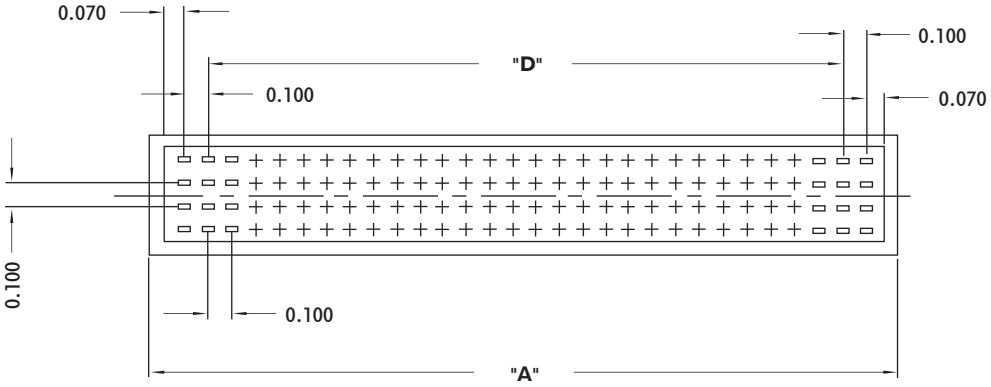
Contact Material . . . . . Brass, QQ-B-613
1/2 Hard, Comp. 2
Contact Finish . . . . . Gold Plated, MIL-G-45204
Type II, Class 1 over
Nickel Plate, QQ-N-290
Type VII, Class 1
Insulation Material . . . . . Diallyl Phthalate
MIL-M-14, Type SDG-F
Color Black

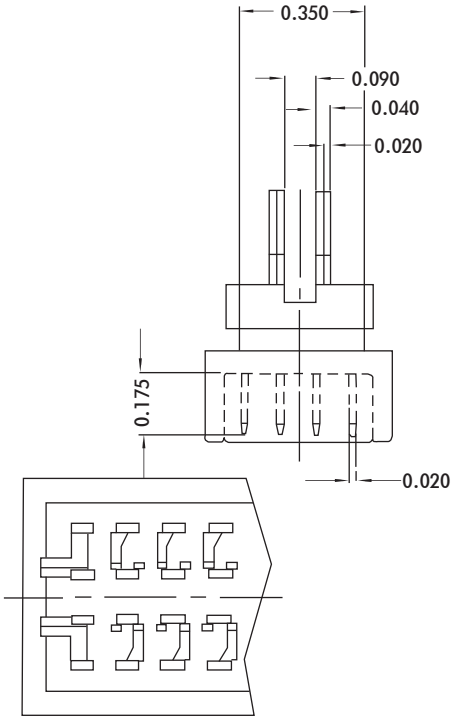
Questions? Contact Armel Electronics at: 1.800.840.0666











TRANSPARENT AS SEEN FROM MATING SURFACE

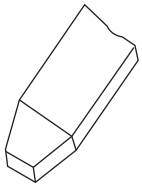
PART NO.	"A"	"B"	"C"	"D"	"E"
PC-44P-IL2FT3	1.250	1.100	0.850	0.800	1.140
PC-60P-IL2FT3	1.650	1.500	1.250	1.200	1.540
PC-88P-IL2FT3	2.350	2.200	1.950	1.900	2.240
PC-120P-IL2FT3	3.150	3.000	2.750	2.700	3.040

Commercial part LFP- with T2 plating is equivalent to PC- above with T3 plating

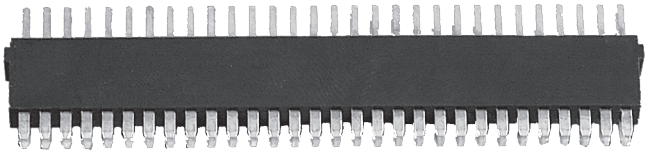
SPECIFICATIONS

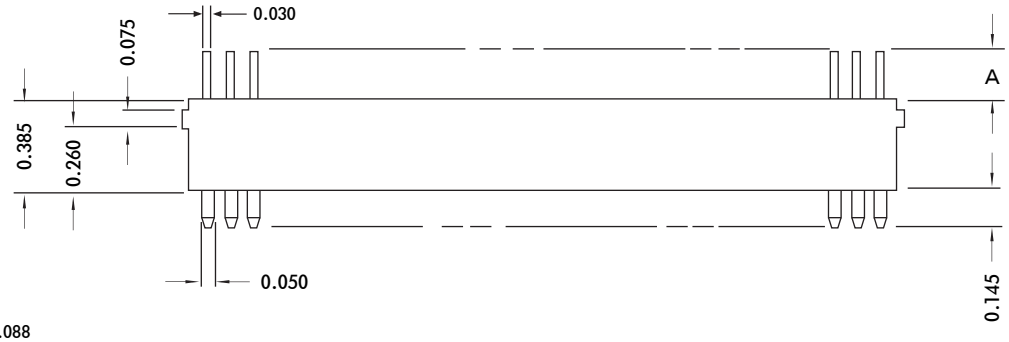
Current Rating . . . . . .5 Amperes
Dielectric Withstanding Voltage:
Contact to Contact
Sea Level . . . . . .1100 Volts
70,000 Feet. . . . . 375 Volts

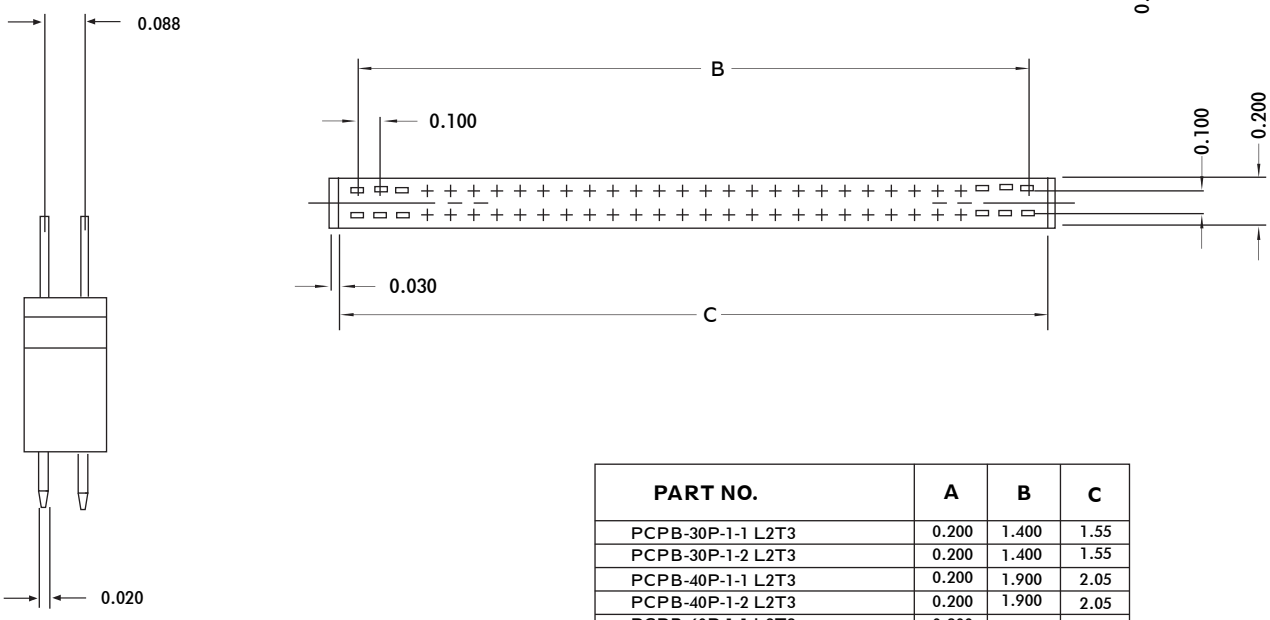
CONTACTS:
Signal Contact . . . . . .Brass per QQ-B-613, 1/2 Hard, Composition 2
Ground Contact. . . . . .Cres per ASTM-A-666, CLASS 302
Contact Finish. . . . . .Gold Plated per MIL-G-45204, Type II, Class 1 over Nickel Plate per QQ-N-290, Type VII, Class 1
Contact Tails. . . . . Hot Solder Dipped, 60/40 Tin Lead per QQ-S-571 (OTHER PLATINGS AVAILABLE UPON REQUEST)
Insulation Material. . . . . .Diallyl Phthalate per MIL-M-14, Type SDG-F, Color Black



BLADE
CONTACTS



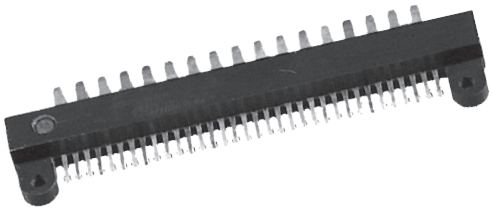


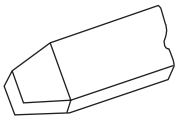


PART NO.	A	B	C
PCPB-30P-1-1 L2T3	0.200	1.400	1.55
PCPB-30P-1-2 L2T3	0.200	1.400	1.55
PCPB-40P-1-1 L2T3	0.200	1.900	2.05
PCPB-40P-1-2 L2T3	0.200	1.900	2.05
PCPB-60P-1-1 L2T3	0.200	2.900	3.05
PCPB-60P-1-2 L2T3	0.200	2.900	3.05
PCPB-70P-1-1 L2T3	0.200	3.400	3.55
PCPB-70P-1-2 L2T3	0.200	3.400	3.55

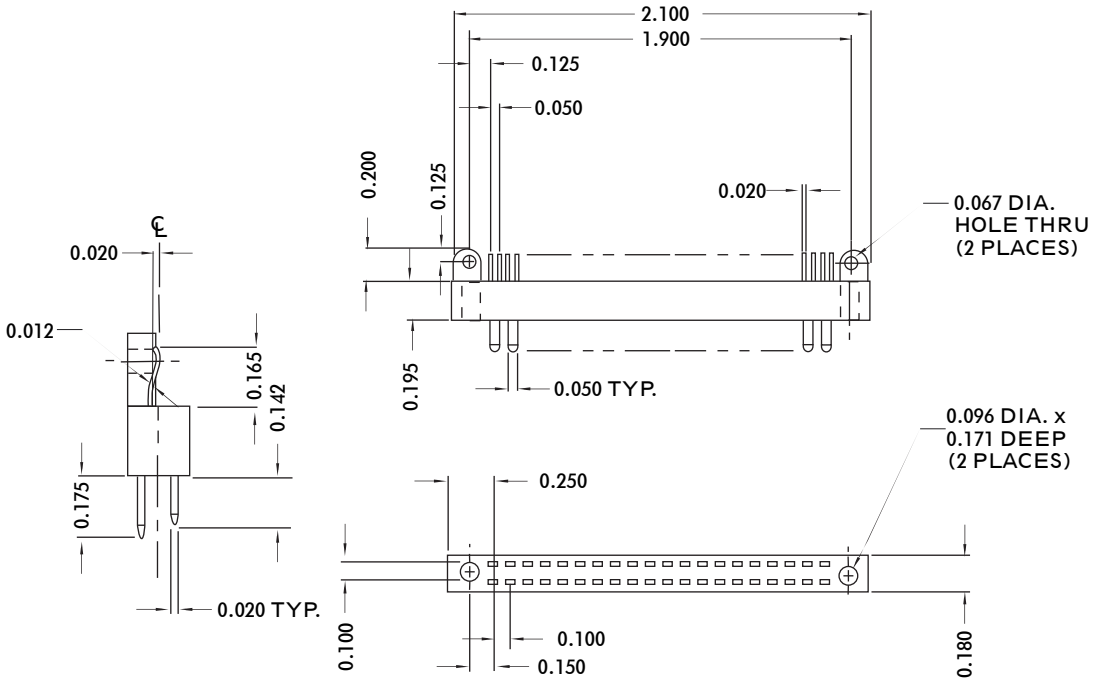
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 37

Questions? Contact Armel Electronics at: 1.800.840.0666

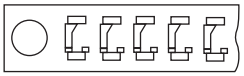




BLADE
CONTACTS

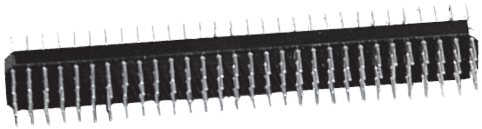


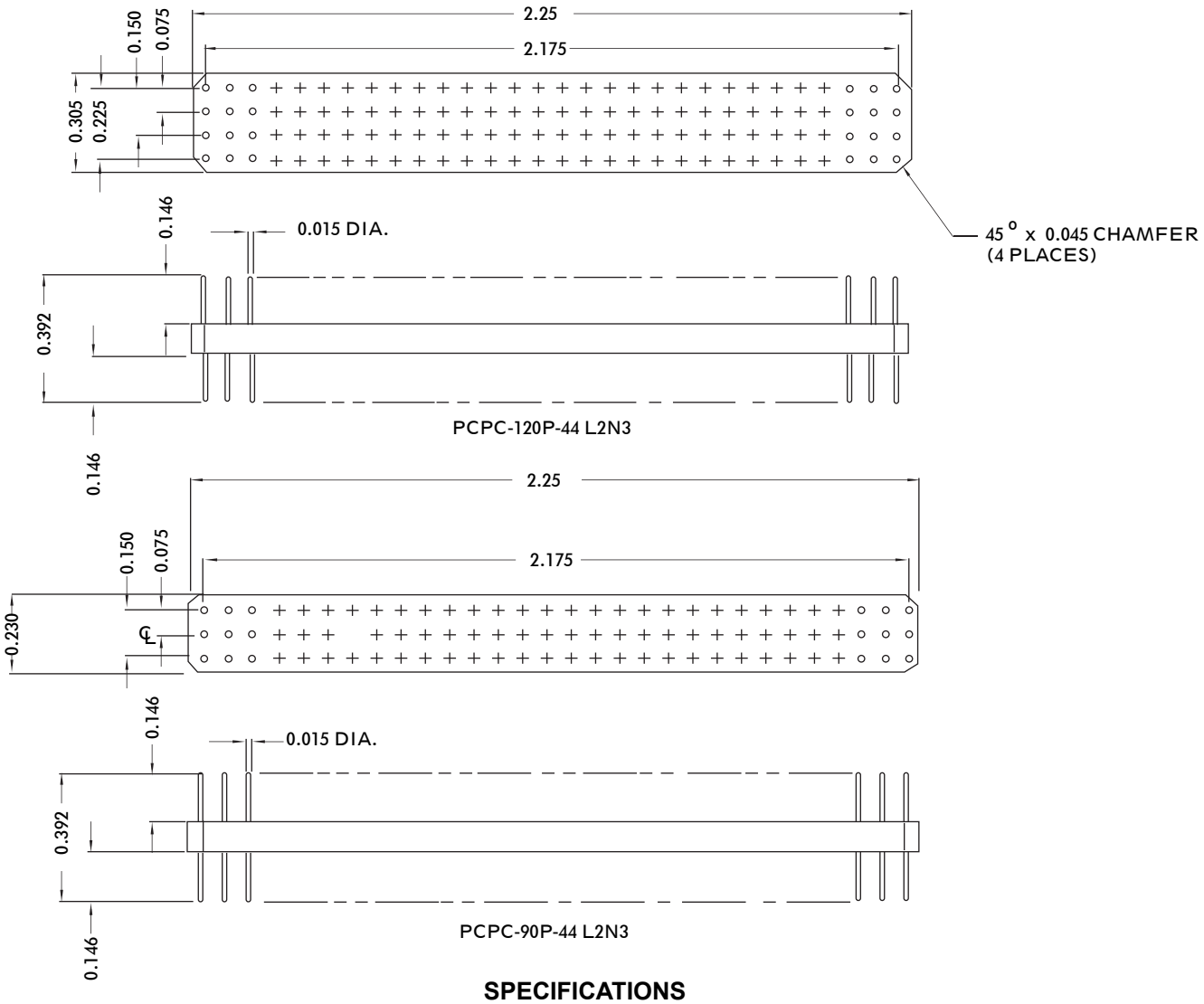
PCPE-34P-1L2T3



TRANSPARENT VIEW AS SEEN
FROM MATING SURFACE

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 37





SPECIFICATIONS

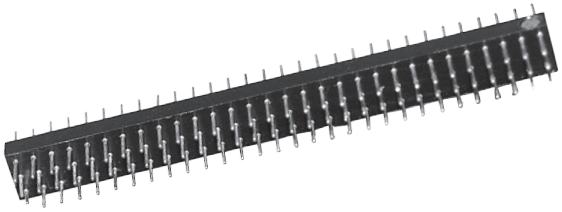
ELECTRICAL:

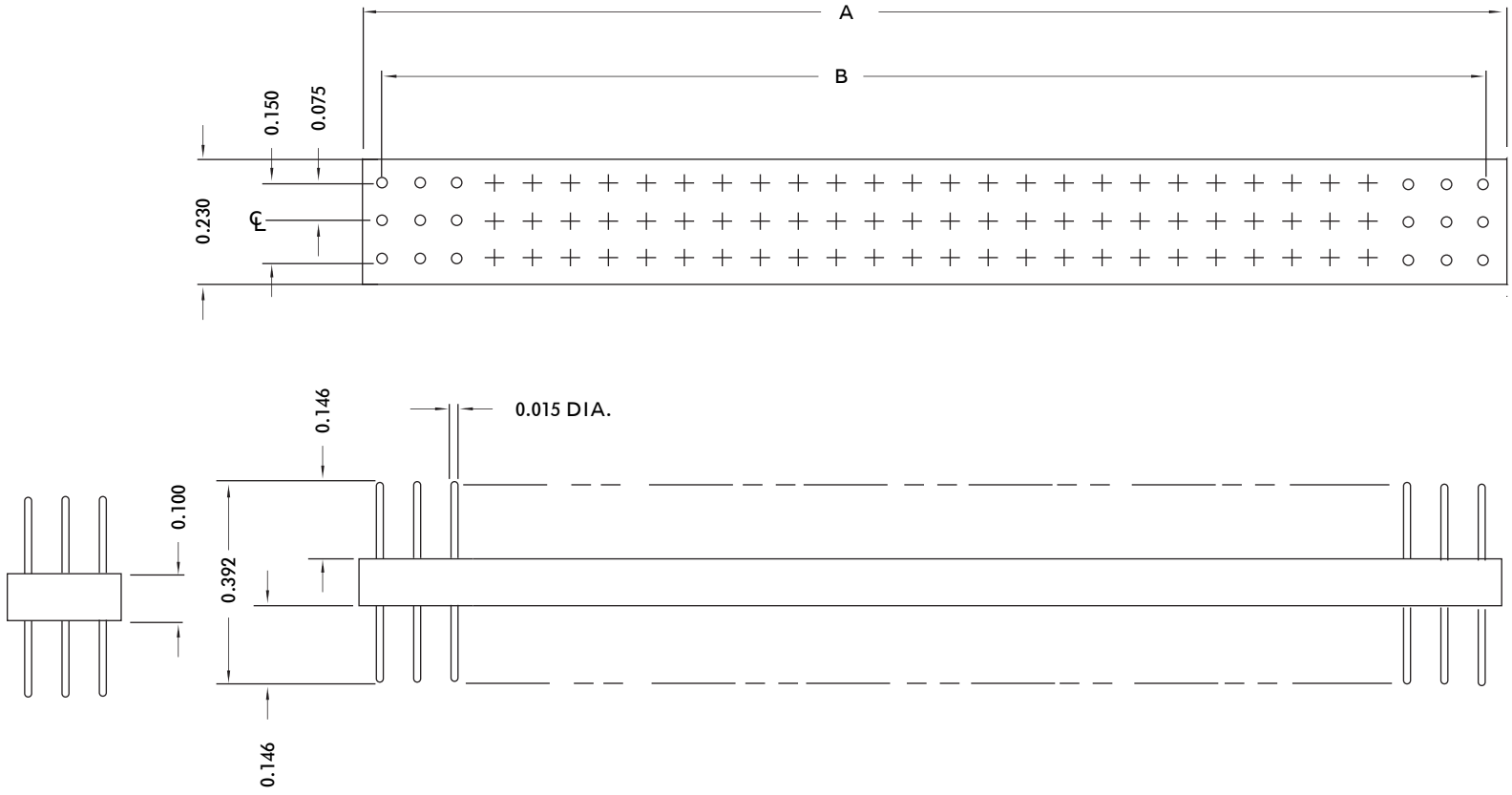
Current Rating . . . . . 3 Amperes
Dielectric Withstanding Voltage:
Contact to Contact
Sea Level . . . . . 1100 Volts
70,000 Feet. . . . . .375 Volts

MECHANICAL:

Contact Material. . . . . Phosphor Bronze, per QQ-B-750
Tin Plated, per MIL-P-81728
(0.00030 Inch Min.)
Insulation Material. . . . . .Diallyl Phthalate per MIL-M-14,
Type SDG-F, Color Black

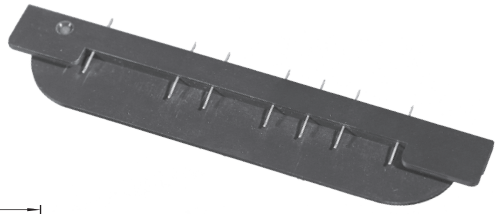
Questions? Contact Armel Electronics at: 1.800.840.0666

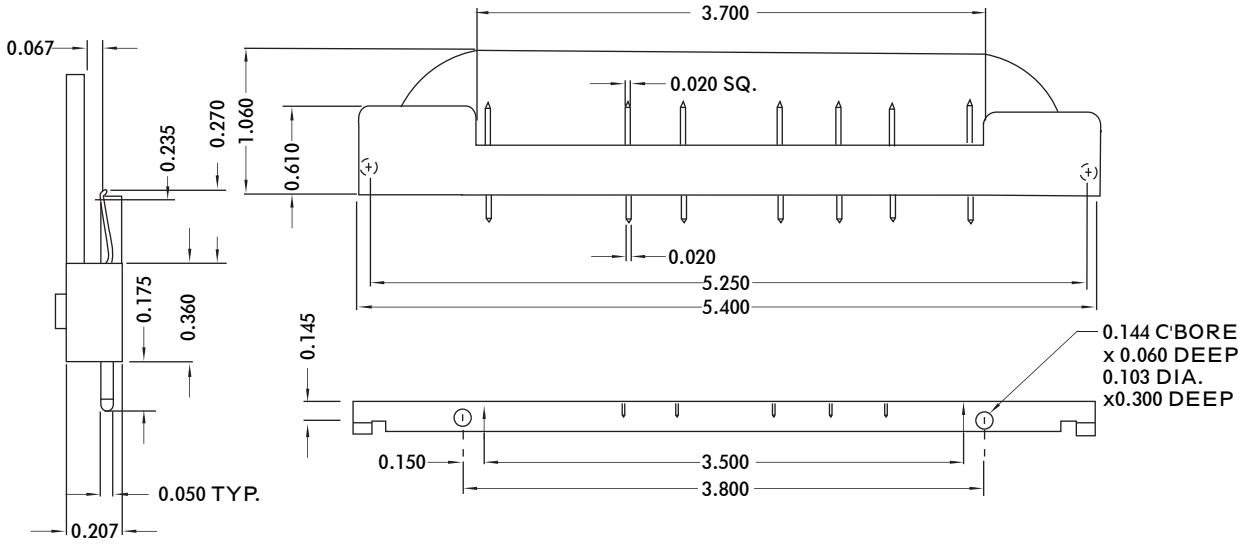


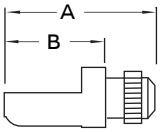


PART NO.	A	B
PCPC-90P-1L2N3	2.25	2.175
PCPC-92P-1L2N3	2.33	2.250
PCPC-93P-1L2N3	2.33	2.250
PCPC-120P-1L2N3	3.00	2.925

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 41







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

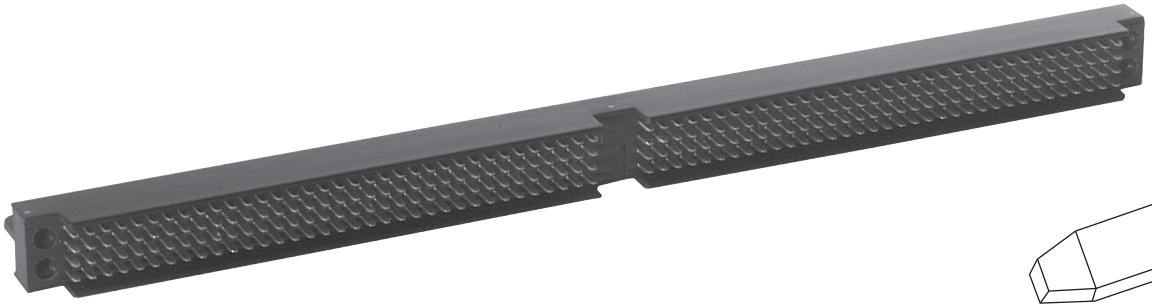
PART NO.	NUMBER OF CONTACTS	CONTACTS INCLUDED
PCPF-7P-1L2T3	7	1 , 11 , 15 , 22 , 26 , 30 & 36
PCPF-11P-1L2T3	11	3 , 11 , 17 , 18 , 22 , 23 , 28 , 29 , 31 , 33 & 34
PCPF-7P-2L2T3	7	2 , 6 , 10 , 13 , 21 , 25 & 29
PCPF-8P-1L2T3	8	1 , 3 , 4 , 5 , 12 , 14 , 22 & 28
PCPF-11P-2L2T3	11	16, 20 , 22 , 23 , 30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

SPECIFICATIONS

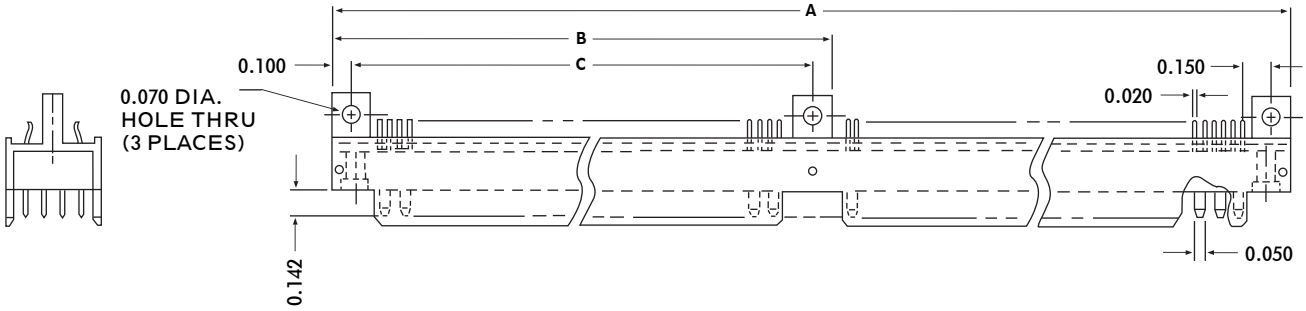
Current Rating . . . . . 5 Amperes
Dielectric Withstanding Voltage:
Contact to Contact
Sea Level . . . . . .1100 Volts
70,000 Feet. . . . . 375 Volts

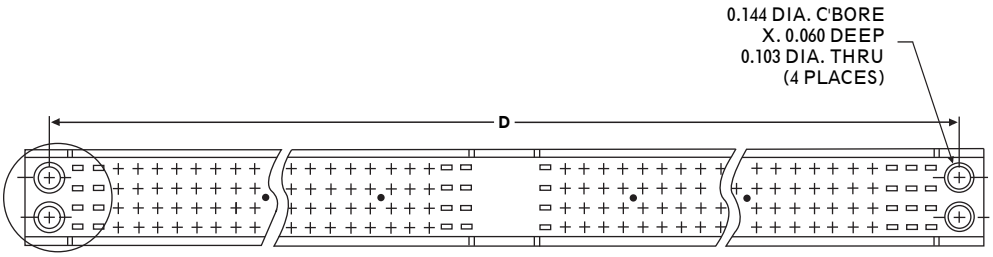
CONTACTS:
Contact Material. . . . . Brass per QQ-B-613, 1/2 Hard, Composition 2
Contact Finish. . . . . .Gold Plated per MIL-G-45204, Type II, Class 1
Over Nickel Plate per QQ-N-290, Type VII, Class 1
(OTHER PLATINGS AVAILABLE UPON REQUEST)
Insulation Material. . . . . .Diallyl Phthalate per MIL-M-14,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

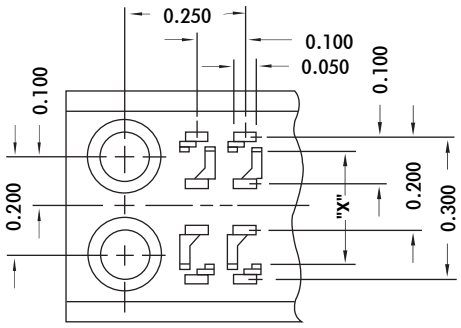
Questions? Contact Armel Electronics at: 1.800.840.0666



BLADE
CONTACTS

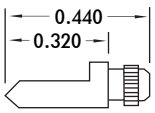




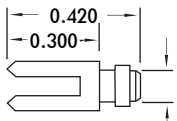


Transparent View as Seen
From Mating Side

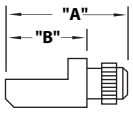
GUIDE PINS



NO. 1007059-1

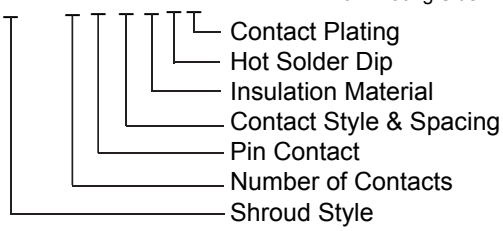


NO. 1007061-1



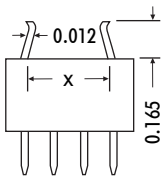
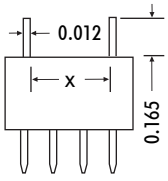
	A	B
NO. 1007060-1	.390	.270
NO. 1007060-2	.350	.230

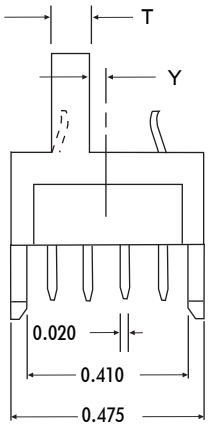
PCPH-280P-1 L2FT3



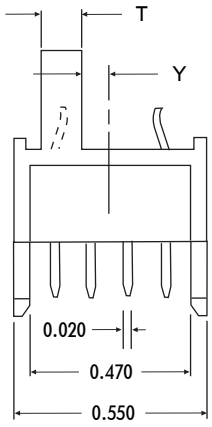
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 45

CONTACTS

Bent	Straight
	



T	PART NO.	X	Y	X	A	B	C	D	
0.090	PCPHE-224P-1L2FT3	0.255	0.030		6.35		3.075	6.100	**
0.090	PCPHE-256P-1L2FT3	0.255	0.030		7.15		3.475	6.900	**
0.090	PCPHE-184P-2L2FT3	0.255	0.030		5.35		2.575	5.100	**
0.090	PCPHE-200P-2L2FT3	0.255	0.030		5.75		2.775	5.500	**
0.080	PCPHF-184P-1L2FT3	0.120	0.040		5.35		2.575	5.100	**



T	PART NO.	X	Y	X	A	B	C	D	
0.090	PCPHC-320P-1L2FT3	0.354	0.092		9.10		4.450	8.650	**
0.075	PCPHS-320P-1L2FT3	0.355	0.080		9.10		4.450	8.650	**

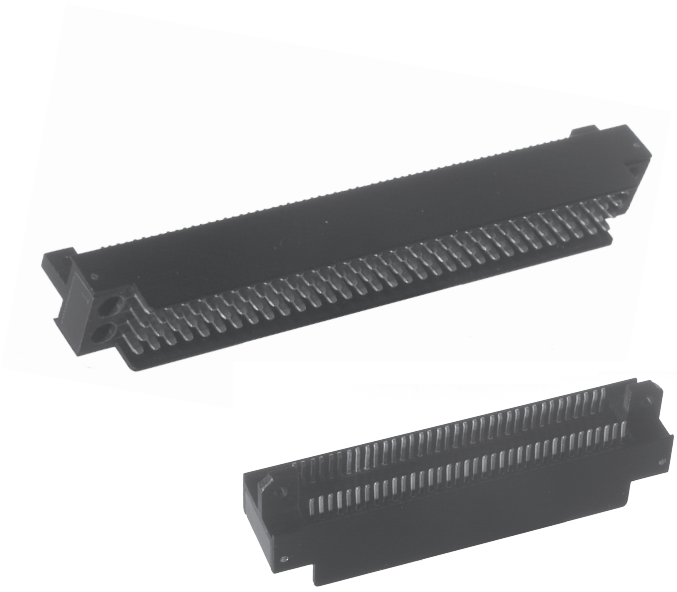
SPECIFICATIONS

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

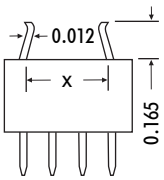
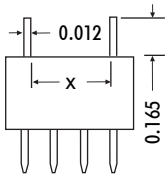
CONTACTS:

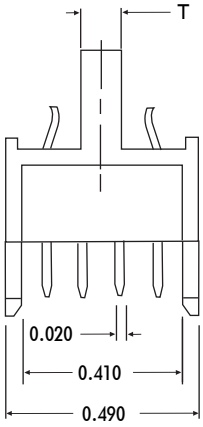
Contact Material . . . . . Brass, per QQ-B-613, 1/2 Hard, Composition 2
Contact Finish . . . . . Gold Plate per MIL-G-45204, Type II, Class 1
over Nickel Plate per QQ-N-290, Type VII, Class 1
Shroud Material . . . . . Aluminum, per QQ-A-200, Alloy 6061-T6
Shroud Finish . . . . . Anodized, per MIL-A-8625, Type I, Class 2, Color Black
Insulation Material . . . . Diallyl Phthalate per MIL-M-14, Type SDG-F, Color Black

Questions? Contact Armel Electronics at: 1.800.840.0666

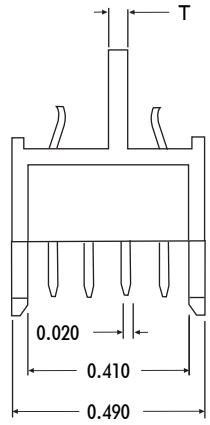


CONTACTS

Bent	Straight
	



T	PART NO.	X	X	A	B	C	D	
0.102	PCPH-128P-11L2FT3		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	**

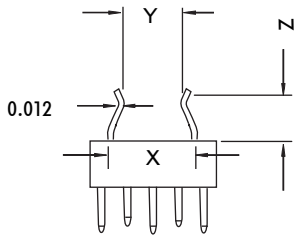


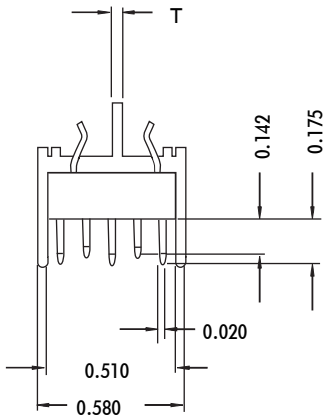
T	PART NO.	X	X	A	B	C	D	
0.060	PCPHA-280P-1L2FT3	0.290		7.75		3.775	7.50	**
0.060	PCPHA-56P-12L2FT3	0.269			2.05	1.850	1.600	*
0.045	PCPHJ-224P-1L2FT3	0.250		6.35		3.075	6.100	**
0.045	PCPHJ-224P-2L2FT3	0.290		6.35		3.075	6.100	**
0.060	PCPHA-72P-1L2FT3	0.290			2.25	2.050	2.000	*
0.060	PCPHA-280P-2L2FT3	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-21L2FT3	0.306		7.75	3.97	3.775	7.50	**

* TWO MOUNTING TABS
** THREE MOUNTING TABS

CONTACTS

Bent





T	PART NO.	X	Y	Z	A	B	C	D	
0.060	PCPHR-175PM-3L2FT3	0.340	0.250	0.180	----	3.97	3.775	3.70	*
0.045	PCPHP-280P-3L2FT3	0.340	0.250	0.180	6.35	----	3.075	6.10	**
0.060	PCPHR-320P-3L2FT3	0.340	0.250	0.180	7.15	----	3.475	6.90	**
0.060	PCPHR-350P-3L2FT3	0.340	0.250	0.180	7.75	----	3.775	7.50	**
0.060	PCPHR-350P-5L2FT3	0.340	0.188	0.167	7.75	----	3.775	7.50	**

* **TWO MOUNTING TABS**

** **THREE MOUNTING TABS**

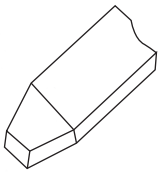
SPECIFICATIONS

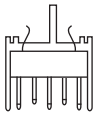
Current Rating . . . . . .3 Amperes
Dielectric Withstanding Voltage:
Contact to Contact:
Sea Level . . . . . .1100 Volts
70,000 Feet . . . . . 375 Volts

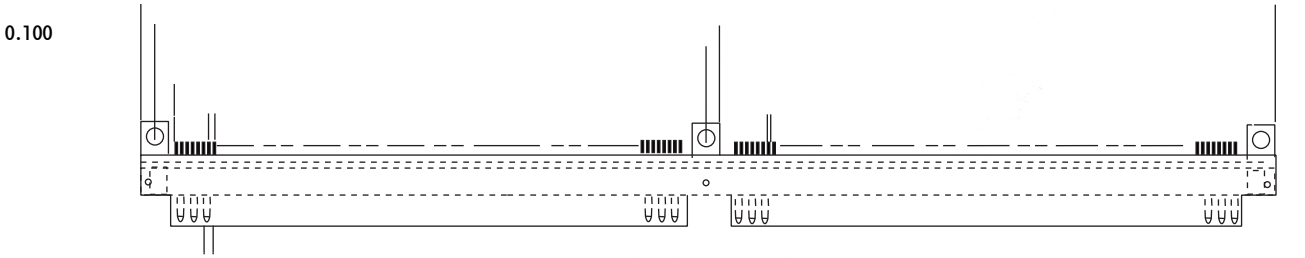
CONTACTS:

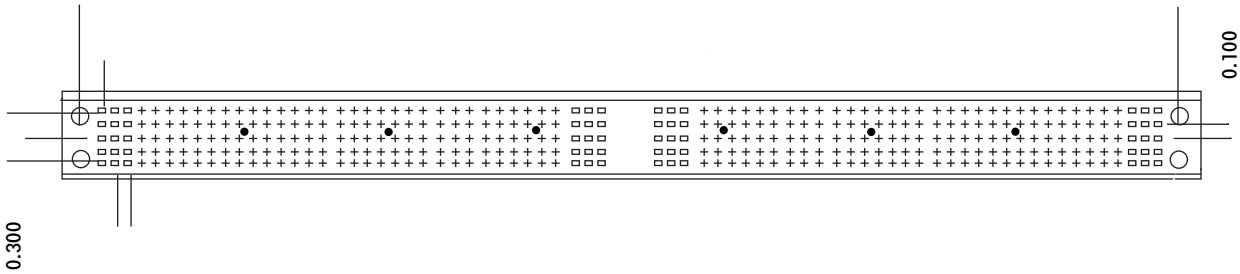
Contact Material . . . . . .Brass, per QQ-B-613, 1/2 Hard, Composition 2
Contact Finish . . . . . .Gold Plate per MIL-G-45204, Type II, Class 1
over Nickel Plate per QQ-N-290, Type VII, Class 1
Shroud Material . . . . . Aluminum, per QQ-A-200, Alloy 6061-T6
Shroud Finish . . . . . Anodized, per MIL-A-8625, Type I, Class 2, Color Black
Insulation Material . . . . . .Diallyl Phthalate per MIL-M-14, Type SDG-F, Color Black
Polarization. . . . . .With the Utilization of Guide PIN 1007428-1 with the PCPHP, PCPHR, PCPHAE and PCPHR-280PR-series will Permit an Arrangement of (16) Possible Polarizing Combinations. (SEE PAGE 49 FOR GUIDE PINS)

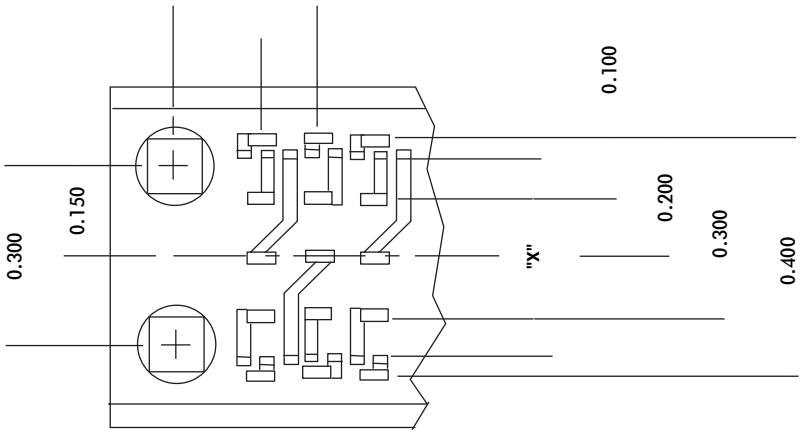
Questions? Contact Armel Electronics at: 1.800.840.0666







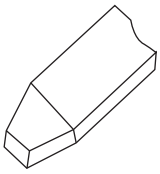




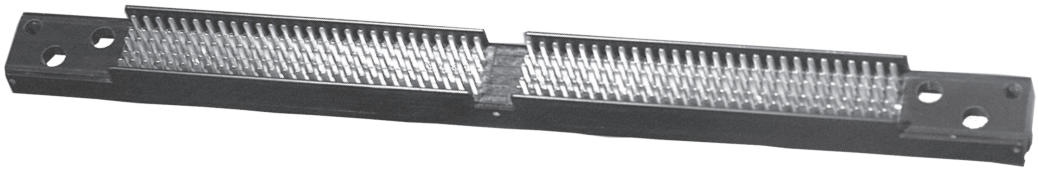
PCPHR-350P-3 L2FT3

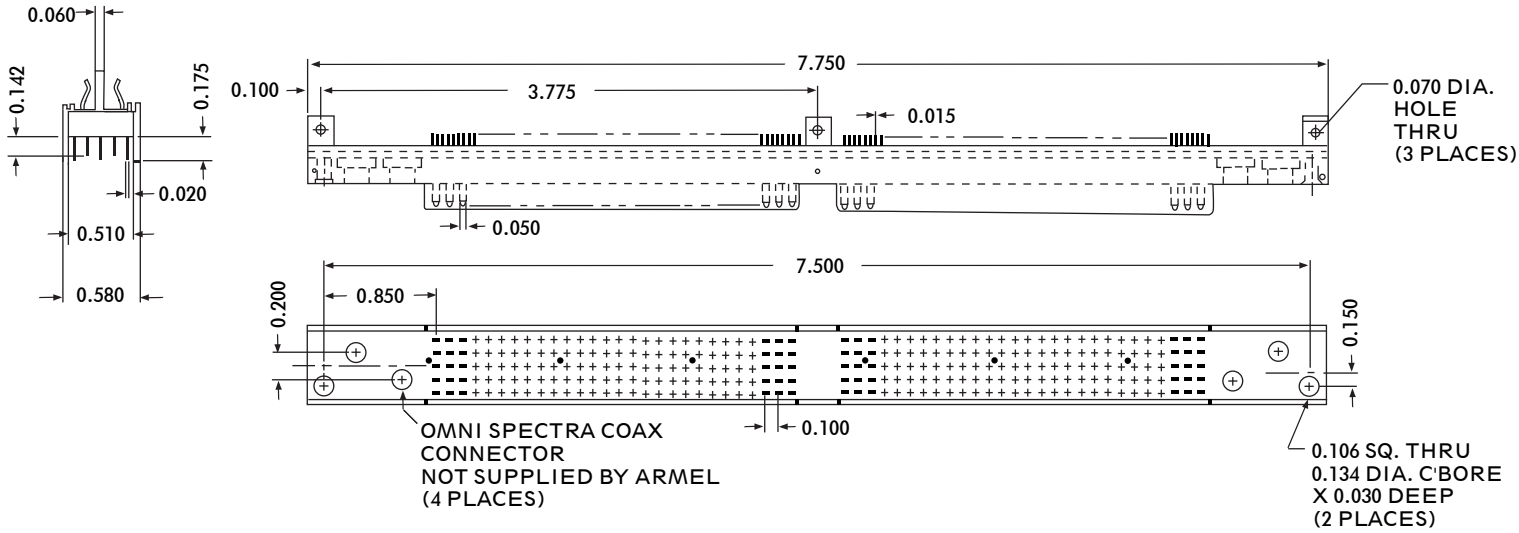
- Contact Plating
- Contact Tails Hot Solder Dipped
- Insulation Material
- Contact Style & Spacing
- Pin Contact
- Number of Contacts
- Shroud Style

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 47

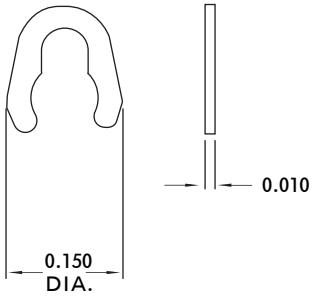


BLADE
CONTACTS

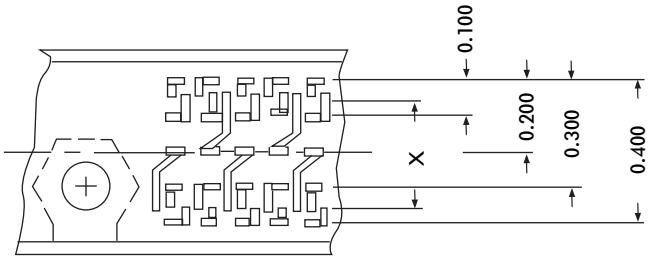




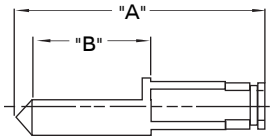
PCPHR-280PR-3L2FT3



1007424-1

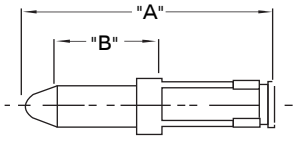


TRANSPARENT VIEW AS SEEN
FROM MATING SIDE



1007428-

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

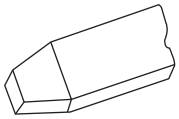


1007431-

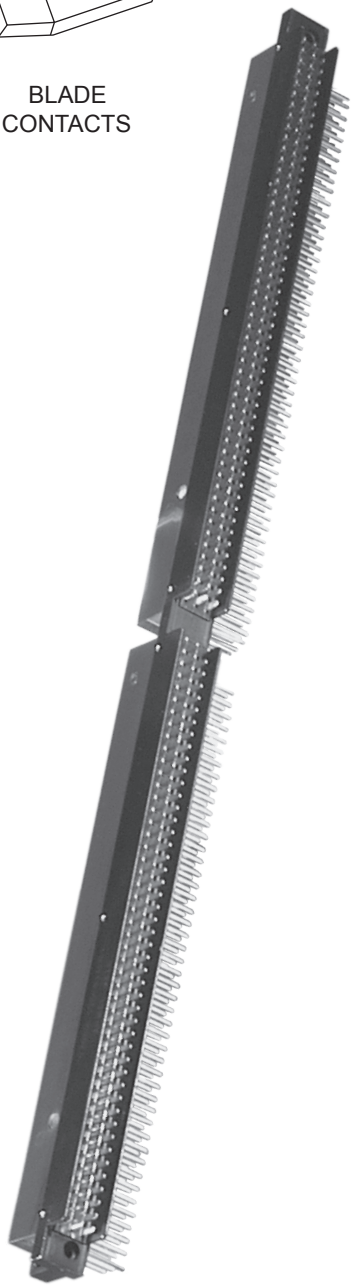
PART NO.	A	B
1007431-1	0.662	0.360
1007431-2	0.852	0.550
1007431-3	1.002	0.700

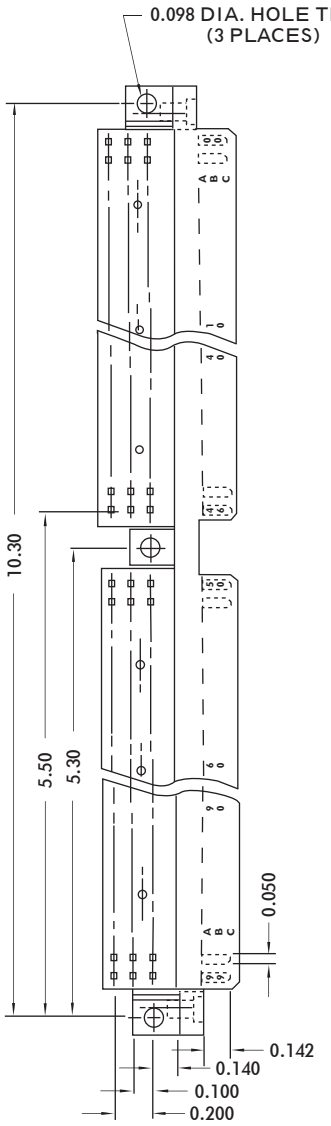
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 45

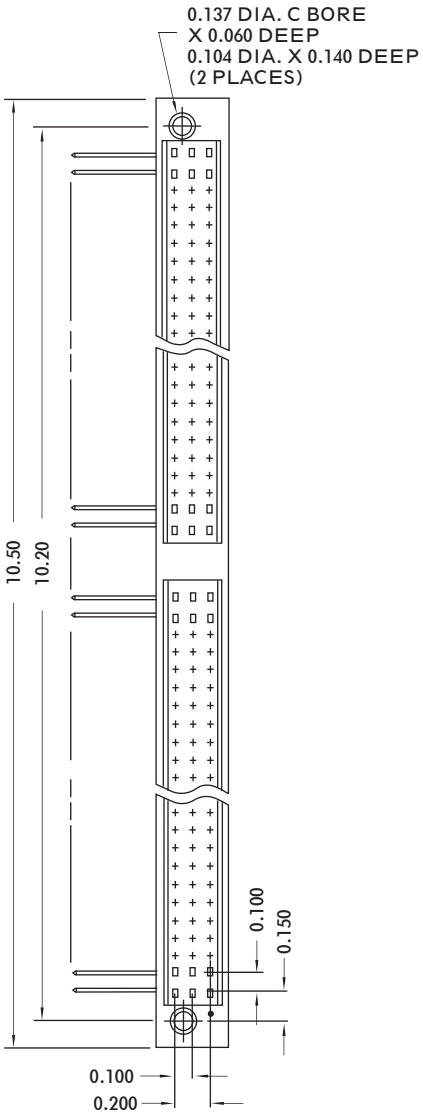
Questions? Contact Armel Electronics at: 1.800.840.0666

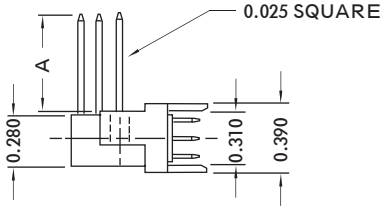


BLADE
CONTACTS



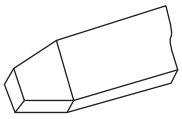


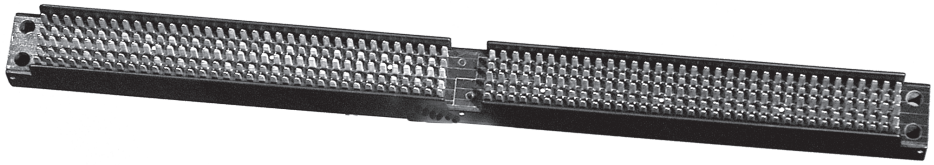


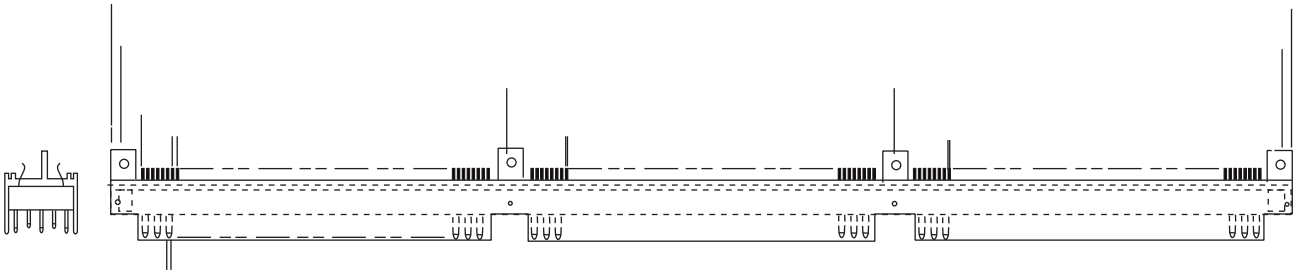


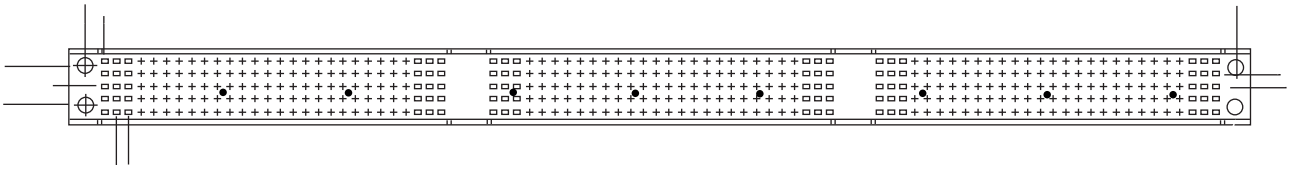
PART NUMBER	"A"
PCPHD-291P- 1L2T3	0.533
PCPHD-291P- 4L2T3	0.125

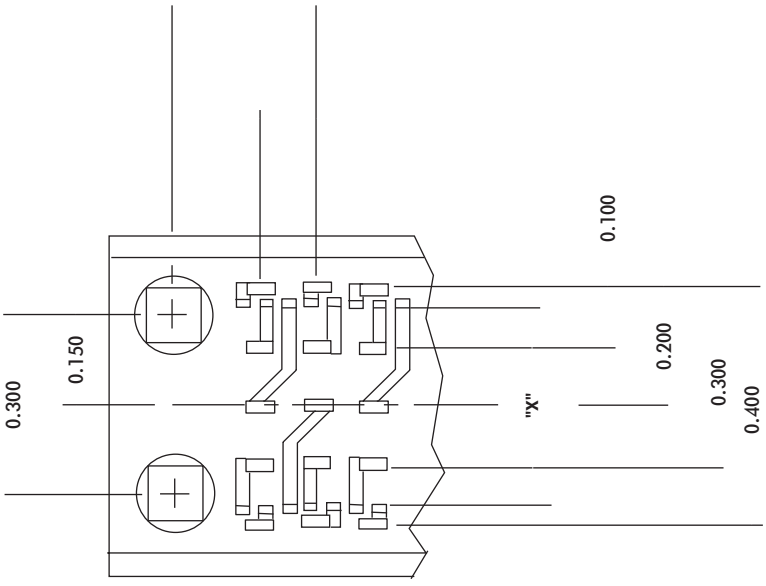
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 45











PCPHAE-420P-3 L2FT3

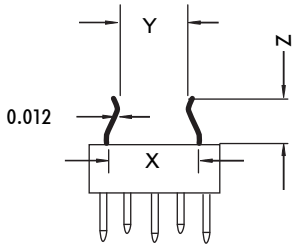
- Contact Plating
- Contact Tails Hot Solder Dipped
- Insulation Material
- Contact Style & Spacing
- Pin Contact
- Number of Contacts
- Shroud Style

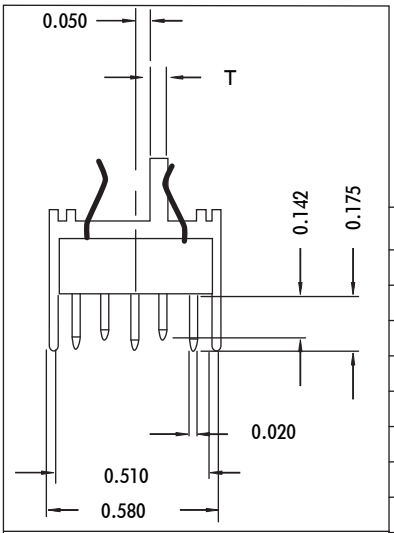
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 47

Questions? Contact Armel Electronics at: 1.800.840.0666

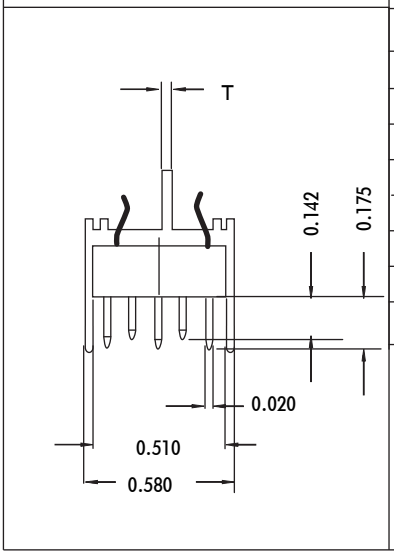
CONTACTS

Bent





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	*

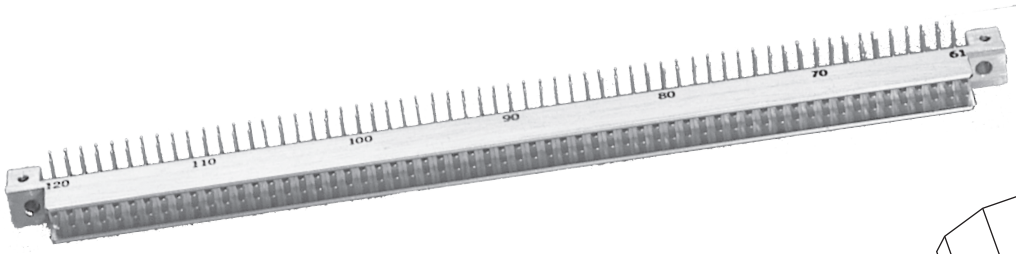


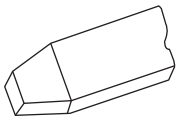
T	PART NO.	X	Y	Z	A	B	C	D	E	
0.060	PCPHR-400P-3L2FT3	0.340	0.250	0.180	9.050	8.850	2.875	3.100	8.80	*
0.060	PCPHR-420P-3L2FT3	0.340	0.250	0.180	9.450	9.250	3.075	3.100	9.20	*
0.045	PCPHP-420P-6L2FT3	0.340	0.275	0.180	9.450	9.250	3.075	3.100	9.20	*
0.045	PCPHP-450P-3L2FT3	0.340	0.250	0.180	10.050	9.850	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**

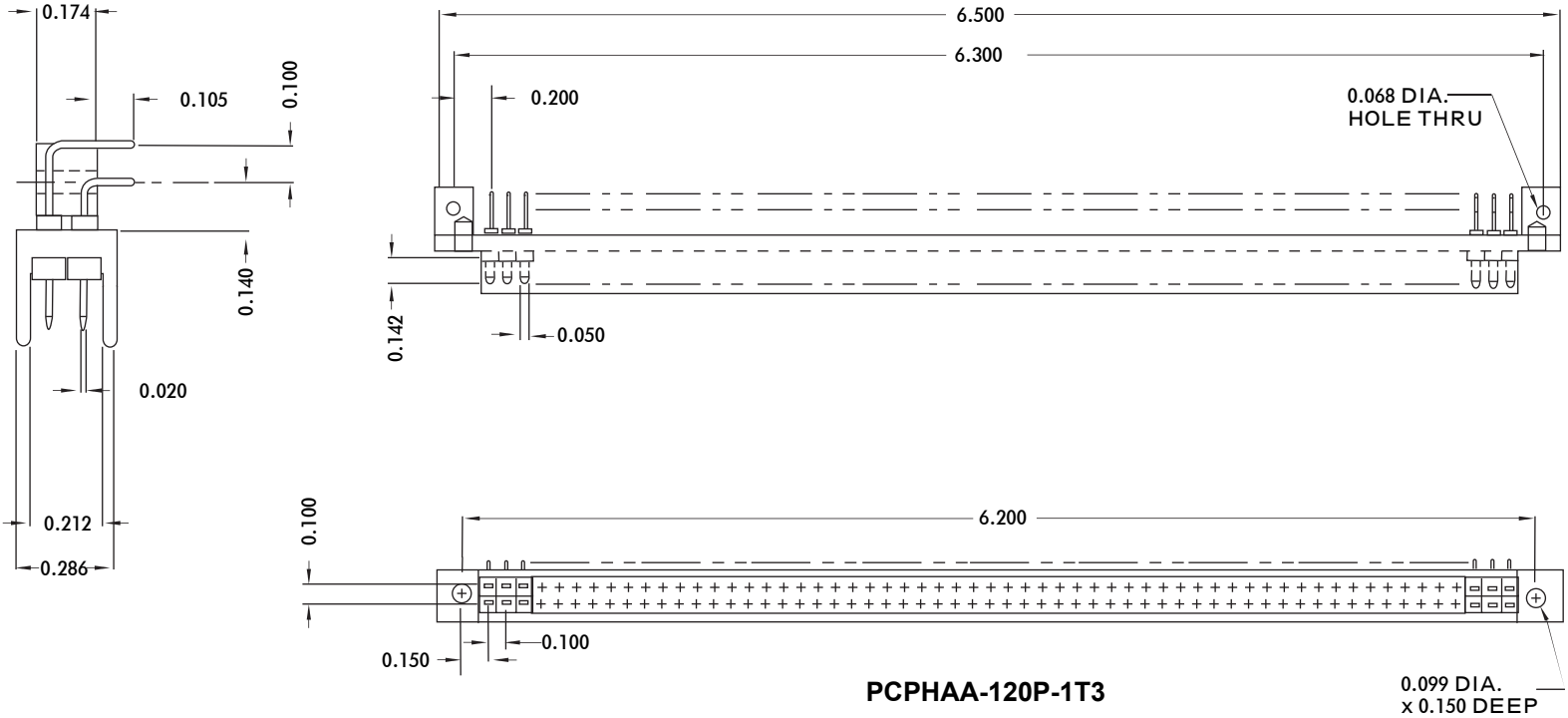
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 47

PCPHAA SERIES





BLADE
CONTACTS



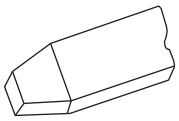
PCPHAA-120P-1T3

SPECIFICATIONS

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

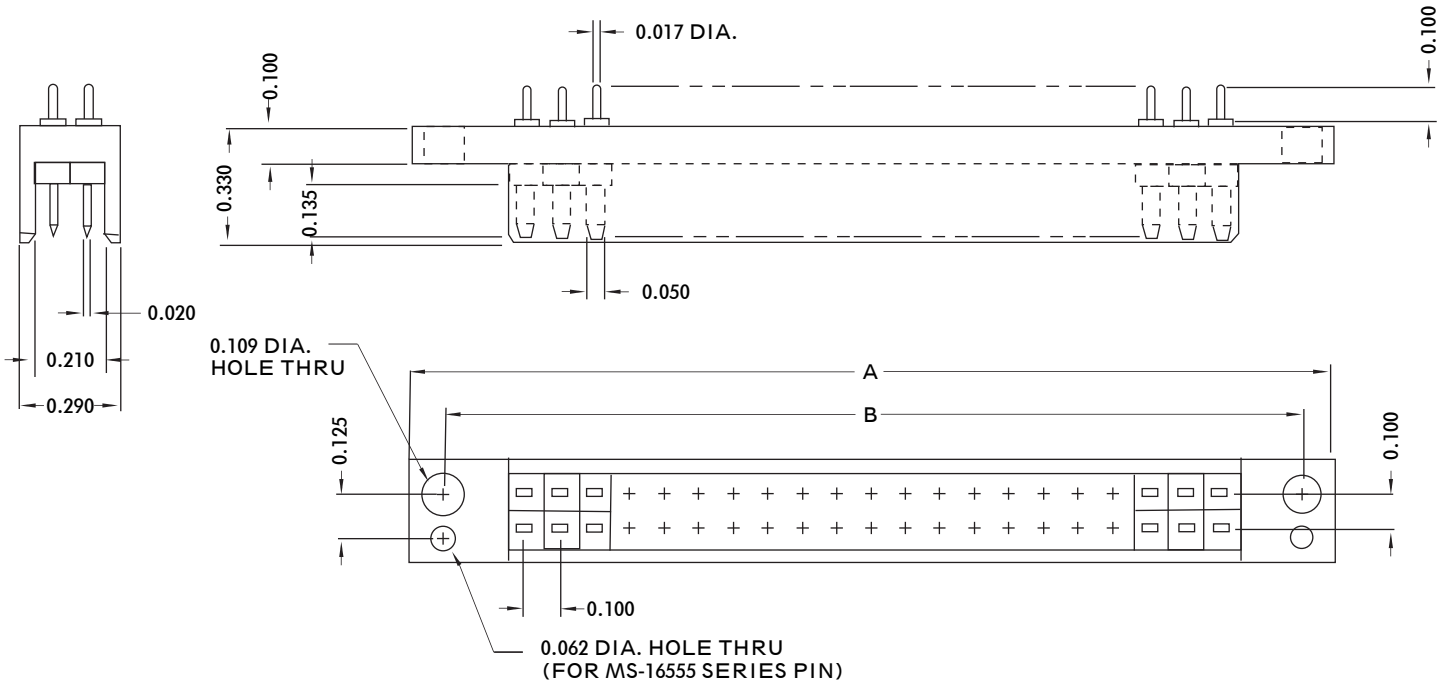
CONTACTS:
Contact Material. . . . . Brass per QQ-B-613, 1/2 Hard, Comp 2.
Contact Insulators. . . . . .Nylon 6-6, per MIL-M-20693
Shroud Material. . . . . .Aluminum, per QQ-A-200, Alloy 6063-T6
Contact Finish. . . . . .Gold Plated per MIL-G-45204, Type II, Class 1,
over Gold Plate per MIL-G-45204, Type 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

Questions? Contact Armel Electronics at: 1.800.840.0666



BLADE
CONTACTS

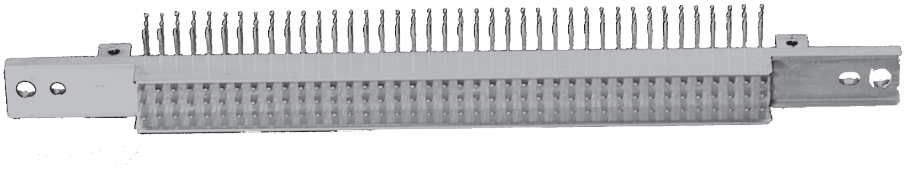
PART NO.	A	B
PCPHW-32P-1T3	2.150	1.970
PCPHW-42P-1T3	2.650	2.470

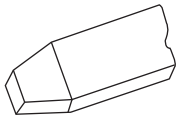


SPECIFICATIONS

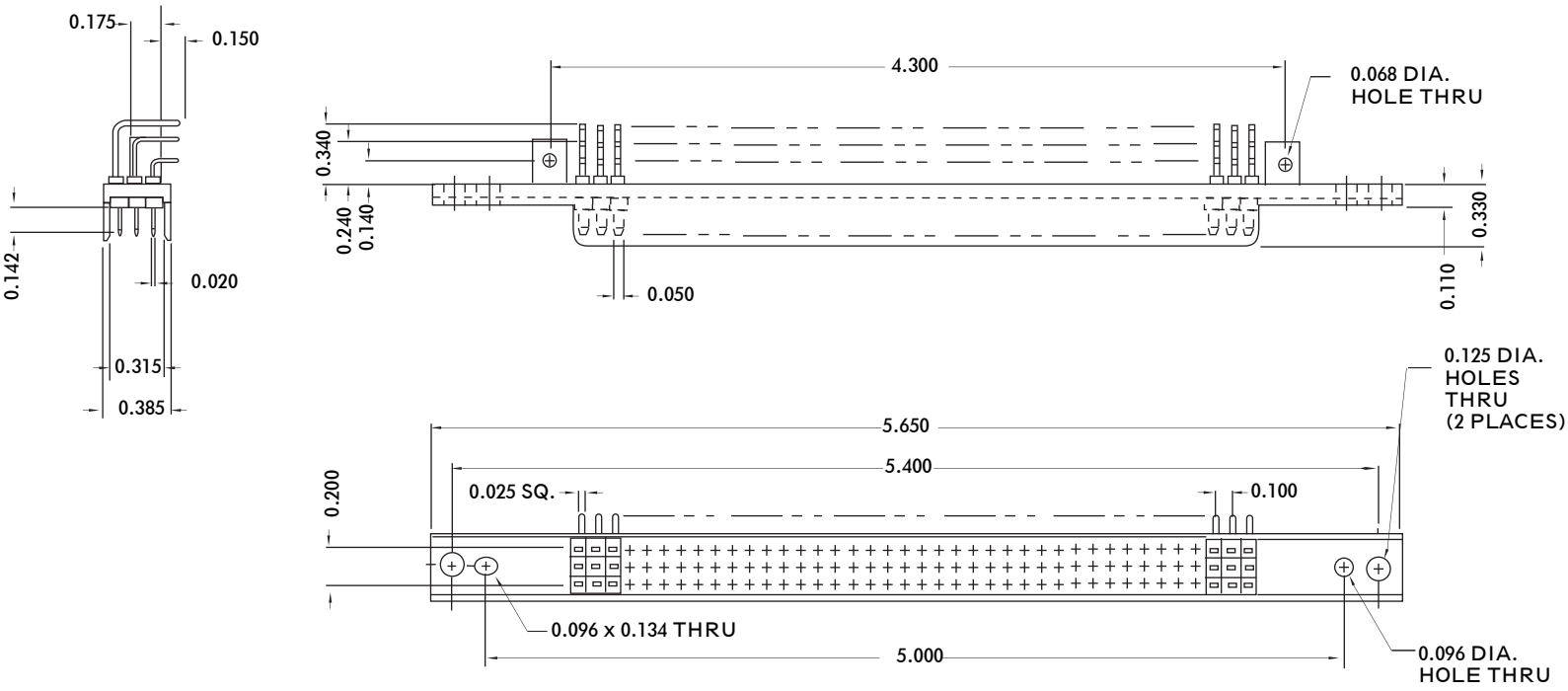
Current Rating . . . . . 3 Amperes
Dielectric Withstanding Voltage:
Contact to Contact
Sea Level . . . . . .1000 Volts
70,000 Feet. . . . . 375 Volts

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



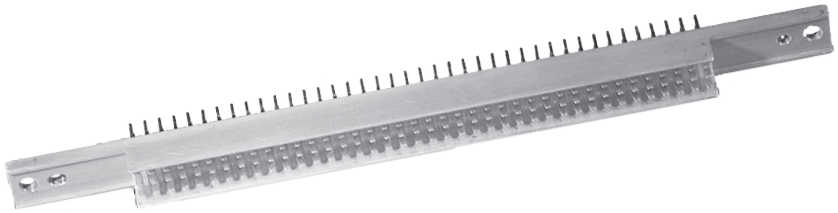


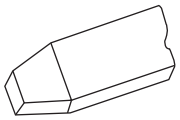
BLADE CONTACTS

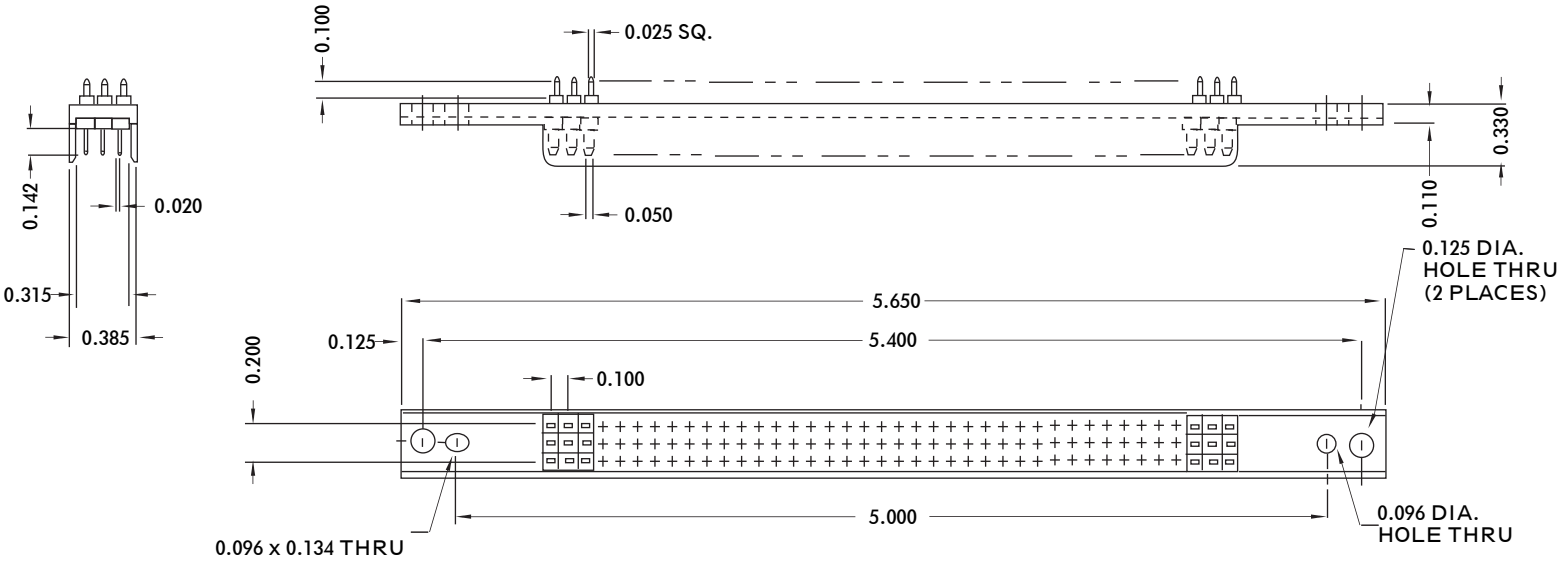


PCPHY-120P-1FT3

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 56





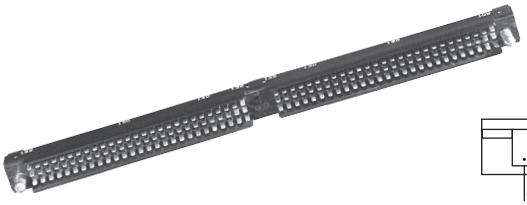


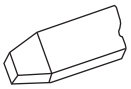
PCPHZ-120P-1FT3

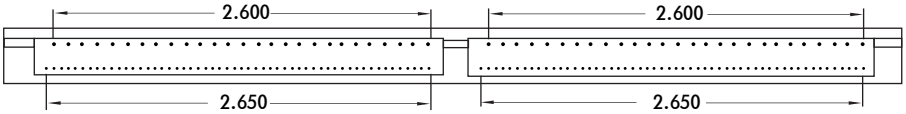
SPECIFICATIONS

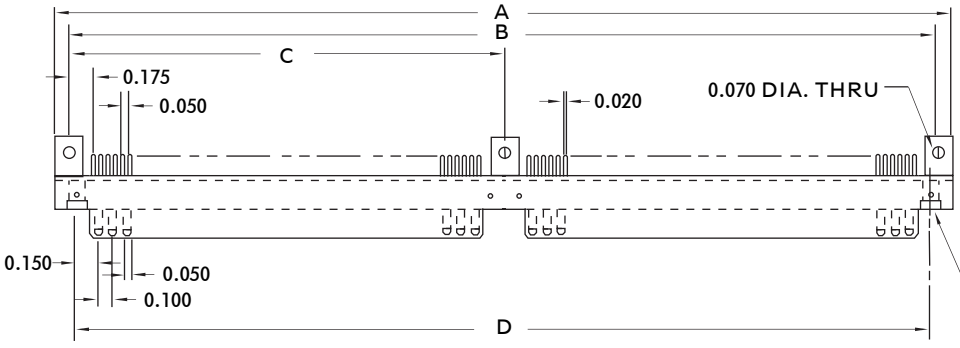
Current Rating . . . . . 3 Amperes
Dielectric Withstanding Voltage:
Contact to Contact
Sea Level . . . . . .1000 Volts
70,000 Feet. . . . . 375 Volts

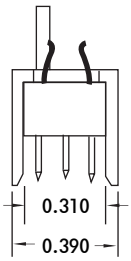
CONTACTS:
Contact Material. . . . . Brass per QQ-B-613, 1/2 Hard, Composition 2
Contact Insulators. . . . . .Nylon 6-6 per MIL-M-20693
Shroud Material. . . . . .Aluminum, per QQ-A-200, Alloy 6061-T6
Contact Finish. . . . . .Gold Plated per MIL-G-45204, Type II, Class 1
Over Nickel Plate per QQ-N-290, Type VII, Class 1
Contact Tails. . . . . Hot Solder Dipped, 60/40 Tin Lead per QQ-S-571
(OTHER PLATINGS AVAILABLE UPON REQUEST)
Shroud Finish. . . . . Chemical Conversion Coating per MIL-C-5541, Clear
Colorless Finish





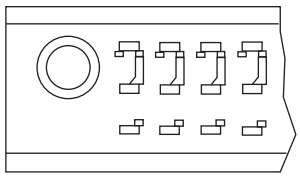




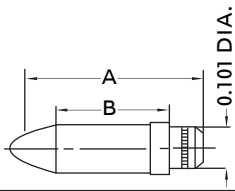


PCPHU 162 P -1 L2 T3

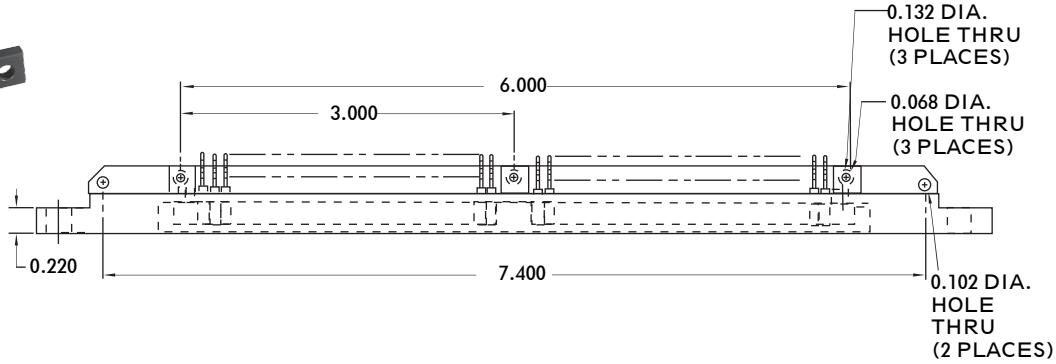
- Contact Plating
- Insulation Material
- Contact Style & Placing
- Pin Contact
- Number of Contacts
- Shroud Style

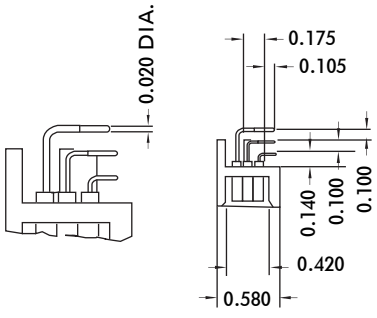


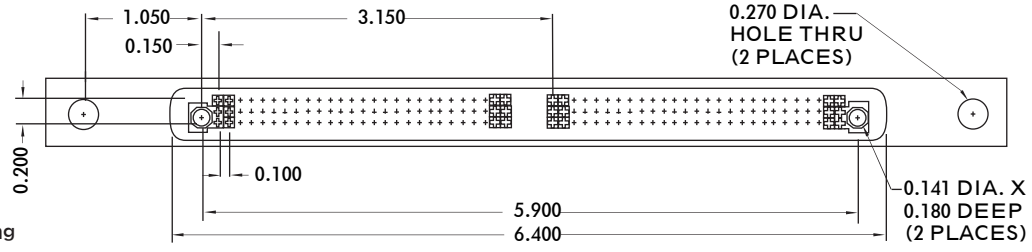
TRANSPARENT VIEW AS
SEEN FROM MATING SIDE



PART NO.	A	B
1007903-1	0.520	0.322

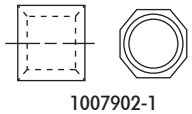






PCPHU 162S - 8 T7

- Contact Plating
- Contact Style & Placing
- Socket Contact
- Number of Contacts
- Shroud Style



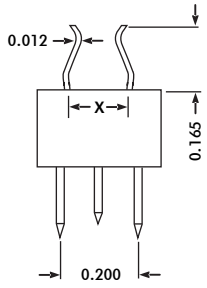
1007902-1

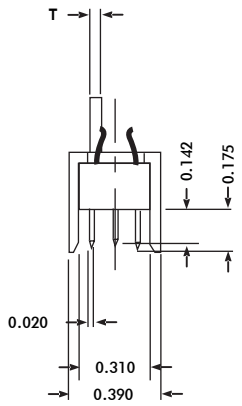
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 58

Questions? Contact Armel Electronics at: 1.800.840.0666

CONTACTS

Bent





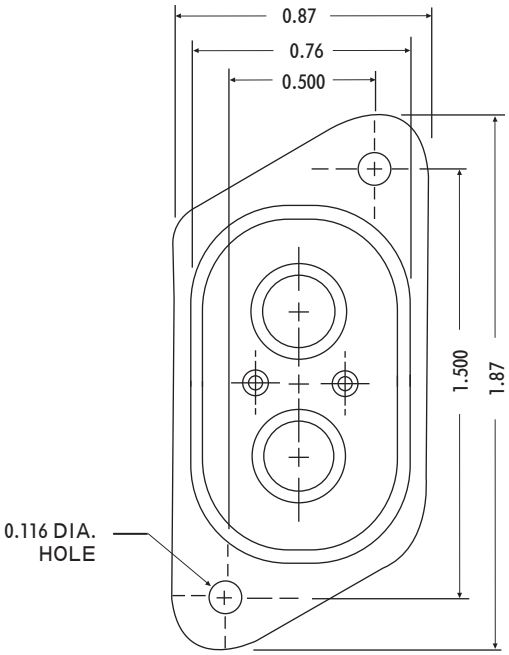
T	PART NO.	X		A	B	C	D
0.050	PCPHU-162P-1T7	0.154		6.200	6.000	3.000	5.90

SPECIFICATIONS

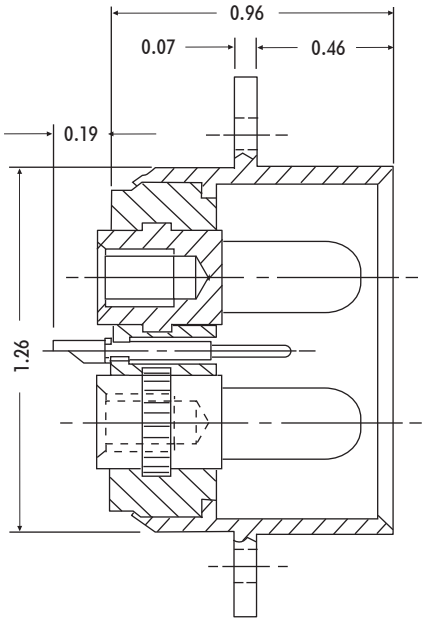
Current Rating . . . . . 3 Amperes
Contact to Contact
Sea Level . . . . . 1000 Volts
70,000 Feet. . . . . 375 Volts

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



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

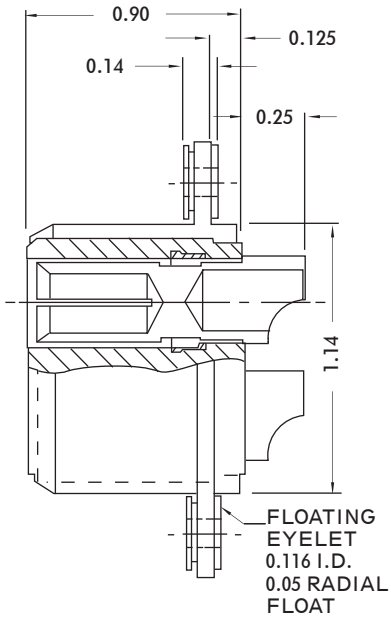
Small Contacts

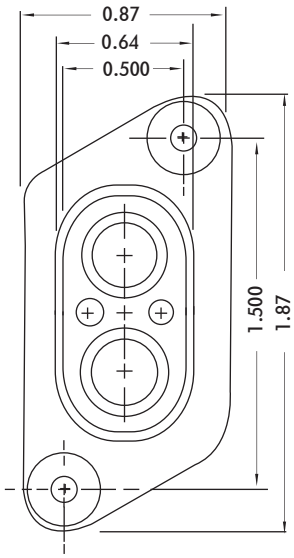
Current Rating	7.5 Amperes
Contact Size	0.040 Inch
Pin Contact	Solder-Cup, Brass per QQ-B-626
Socket Contact	Crimp Removable, Phosphor Bronze per QQ-B-750
Closed Entry Sleeve	Brass, per QQ-B-626
Retaining Clip	Stainless Steel, Passivated per QQ-S-766
Terminal Accommodation	One no. 18, One no. 20, One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

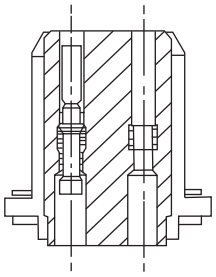
Contact Plating	Gold Plated (0.000050 inch) per MIL-G-45204, Type II, Class I, Grade B over Copper Plate per MIL-C-14550, Class 2 (OTHER PLATINGS ALSO AVAILABLE UPON REQUEST)
Shell Material	Aluminum per QQ-A-200, Anodized Color Gold
Floating Eyelets	Stainless Steel, Passivated
Insulation Material	Diallyl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

Questions? Contact Armel Electronics at: 1.800.840.0666

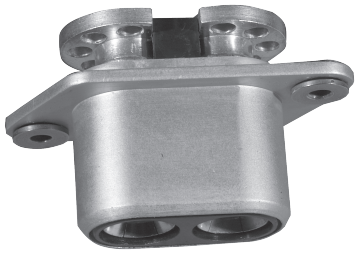
HA-2SCK-2SH-1L2V2



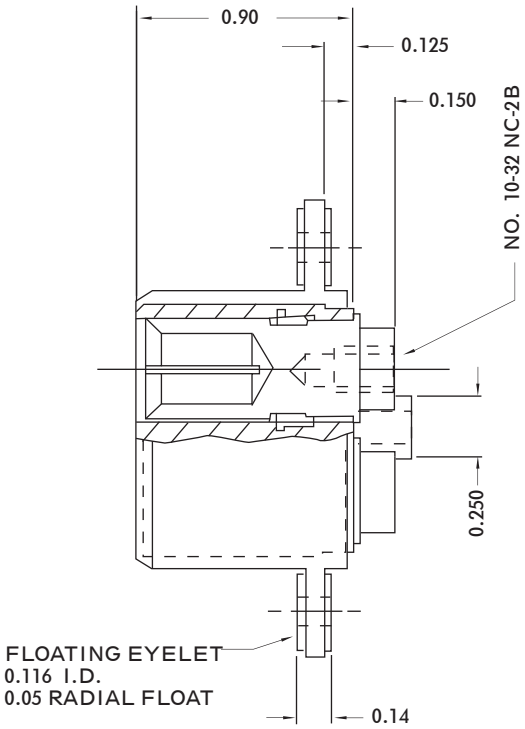


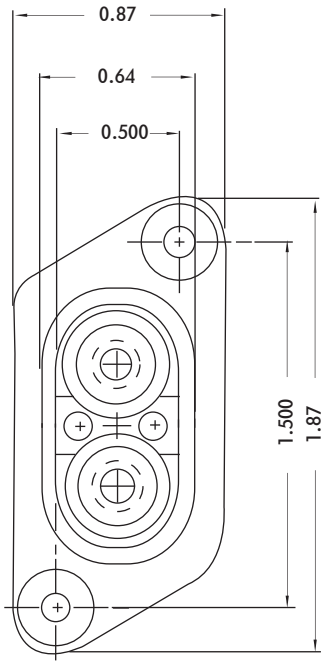


Crimp
Removable Contacts

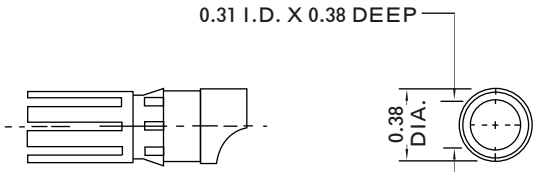


HA-2SCKD-9-2SH-1L2V2

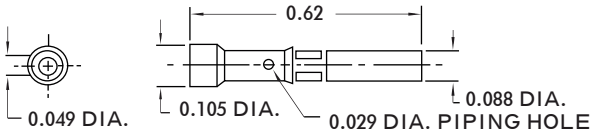




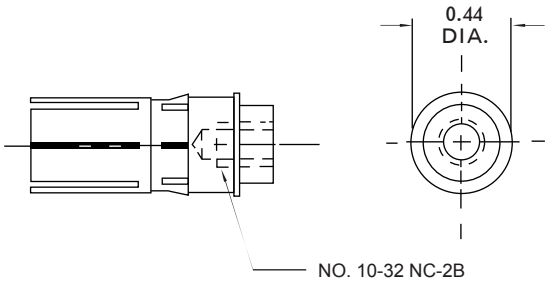
FOR TOOLS AND ACCESSORIES SEE PAGE 61
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 59



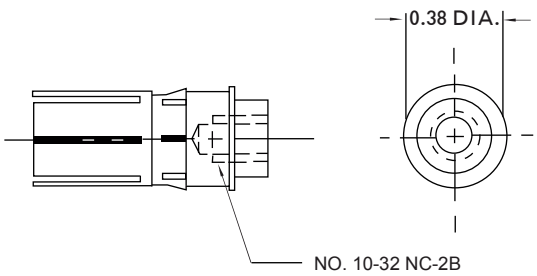
CONTACT NO. 1005841-1V2



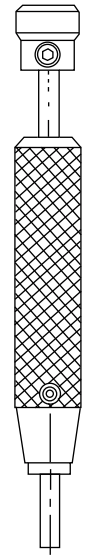
CONTACT NO. 1007003-1V2



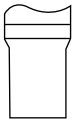
CONTACT NO. 1005982-1V2 OR T3
(100 AMP CONTACT)



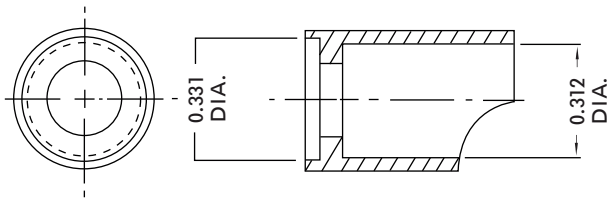
CONTACT NO. 1005881-1V2 OR T3
(75 AMP CONTACT)



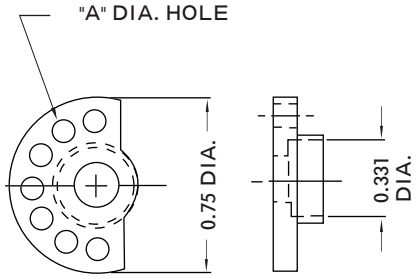
Removing Tool
No. T9066-1



Removing Tool
No. T9090-1



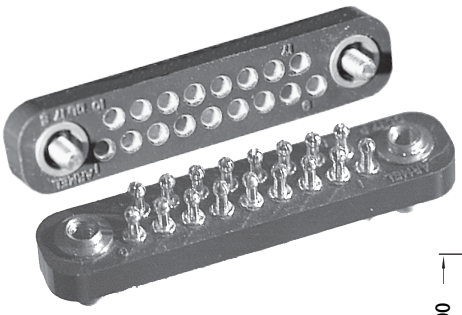
ADAPTER TO BE USED WITH CONTACT NO. 1005881-1V2.

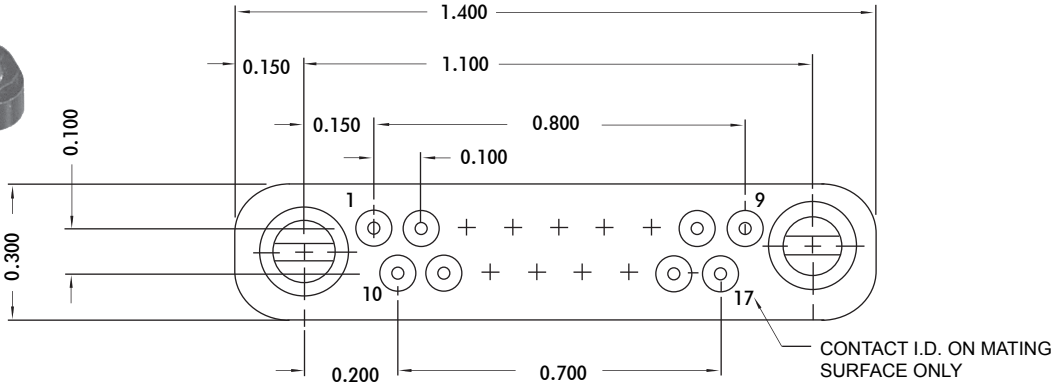


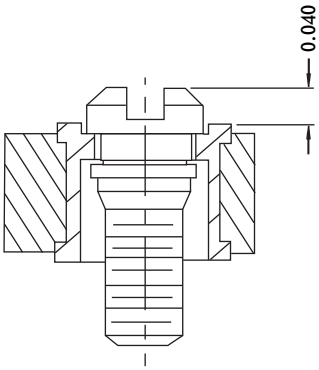
CAN BE MOUNTED TO CONTACT NO.
1005881-1V2 OR 1005982-1V2
FOR MULTIPLE WIRE CONNECTIONS

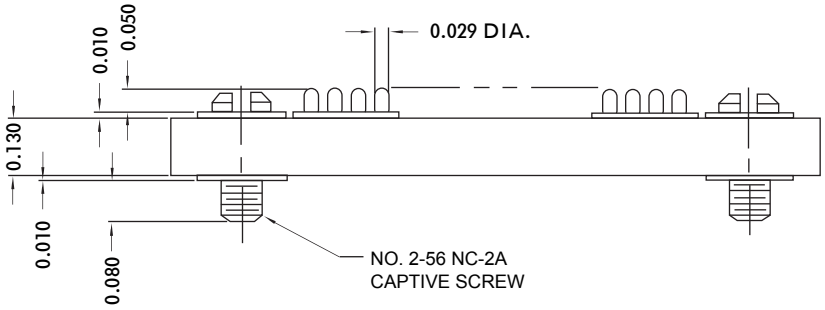
PART NO'S.	"A"	AMOUNT OF HOLES
1005882V2	0.098	7
1005887-1V2	0.136	3
1005888-1V2	0.136	5

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 59

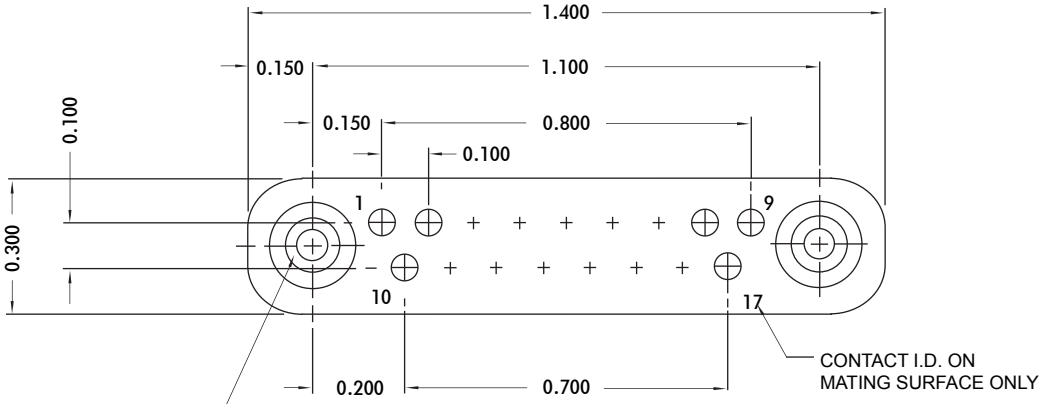


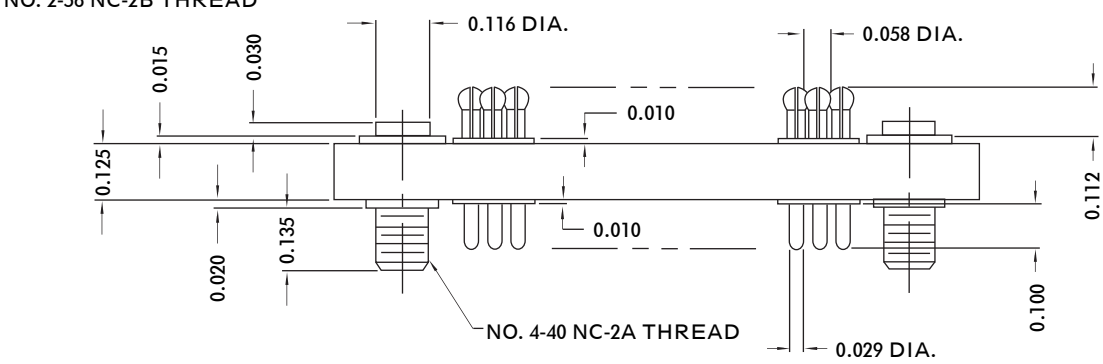






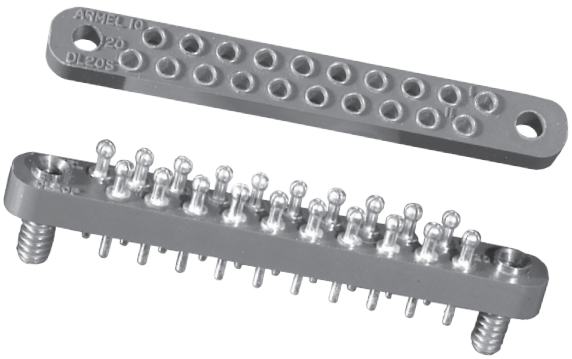
DL 17S-34 L2FT3

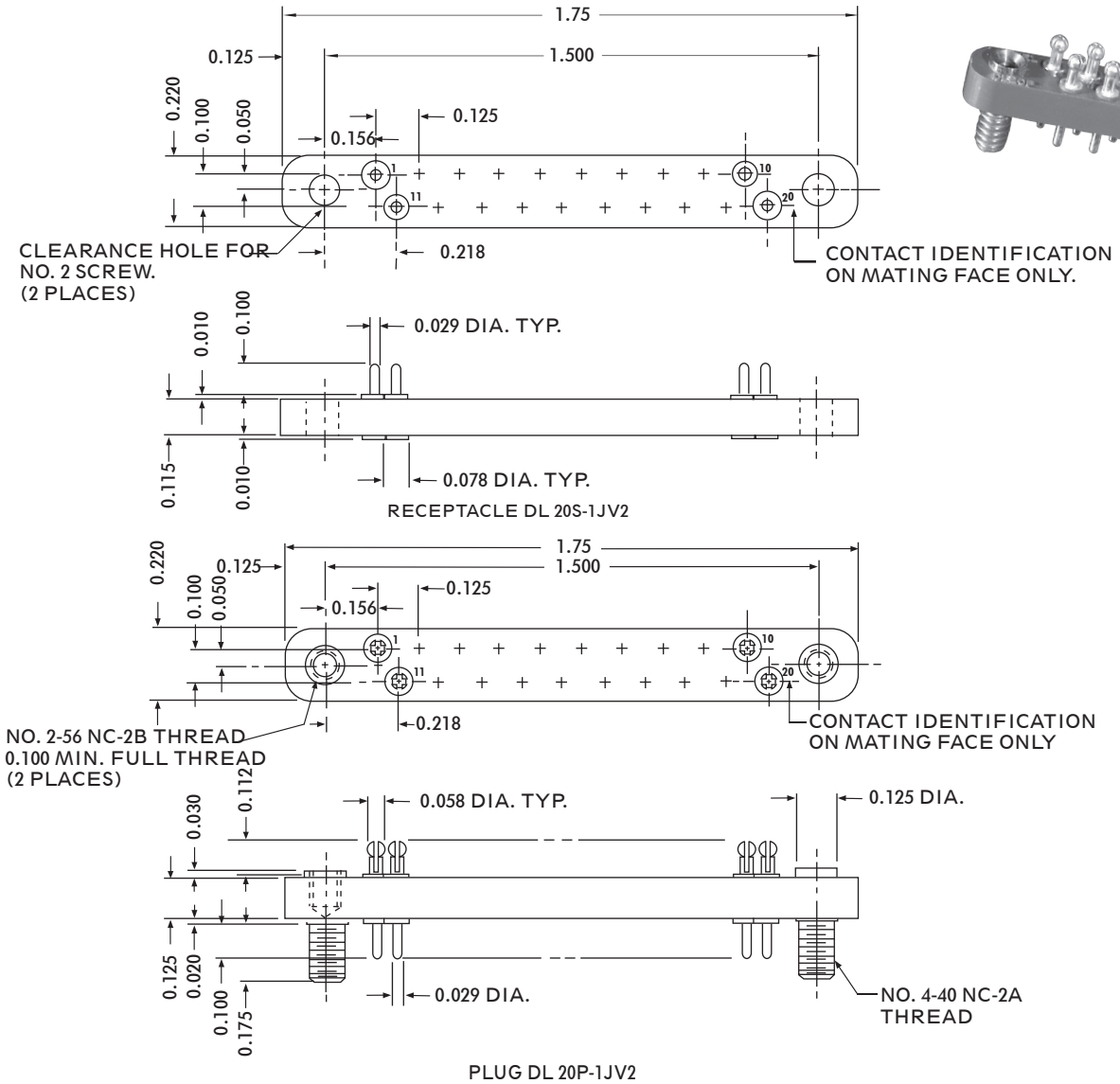




DL 17P-22 L2FT3

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 63

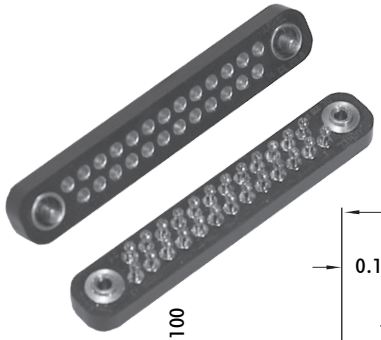


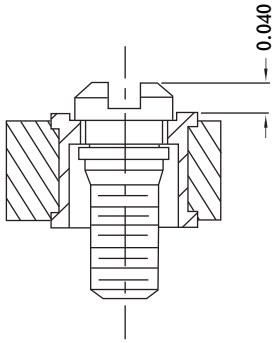


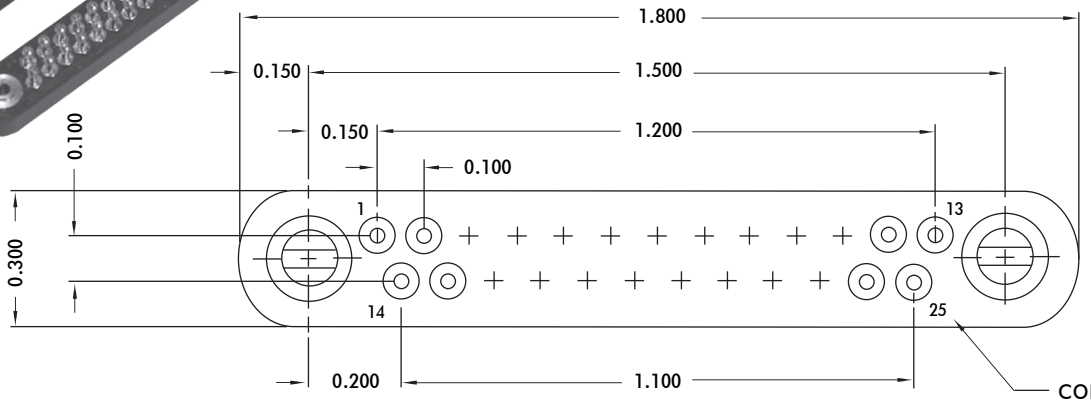
SPECIFICATIONS

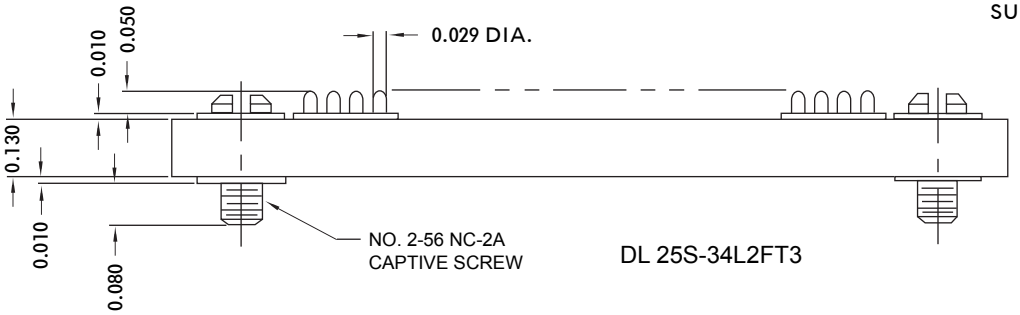
Contact Rating	
Socket Contacts	Brass, 1/2 Hard per QQ-B-626
Pin Contacts	Beryllium Copper, per QQ-C-530, Condition A
Contact Finish	Gold Plated (0.00005 Inch) per MIL-G-45204, Type II, Class I over Copper Plate
Insulation Material	Diallyl Phthalate, Glass Filled per MIL-M-14, Type GDI-30F
Mounting Hardware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

Questions? Contact Armel Electronics at: 1.800.840.0666

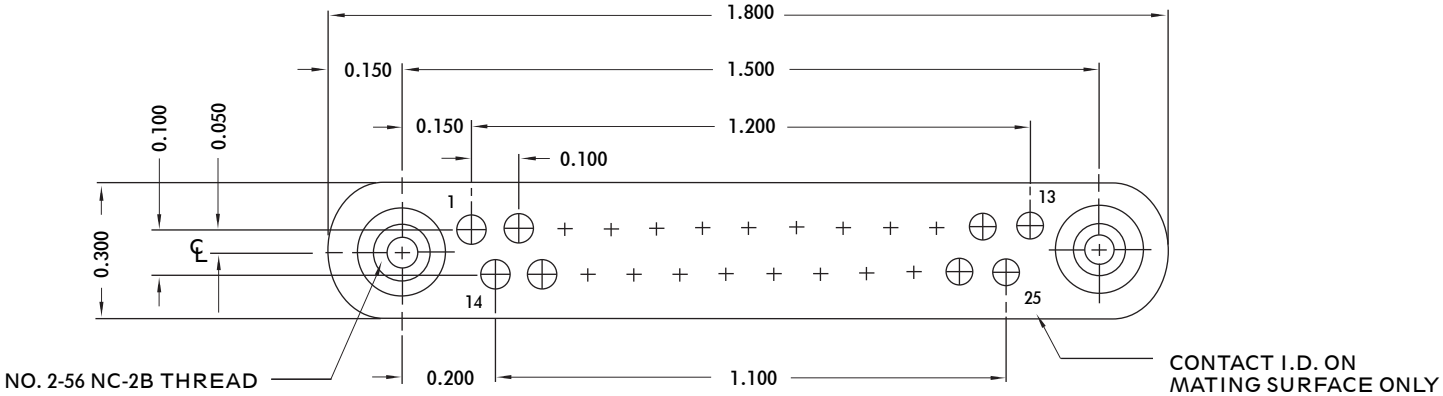


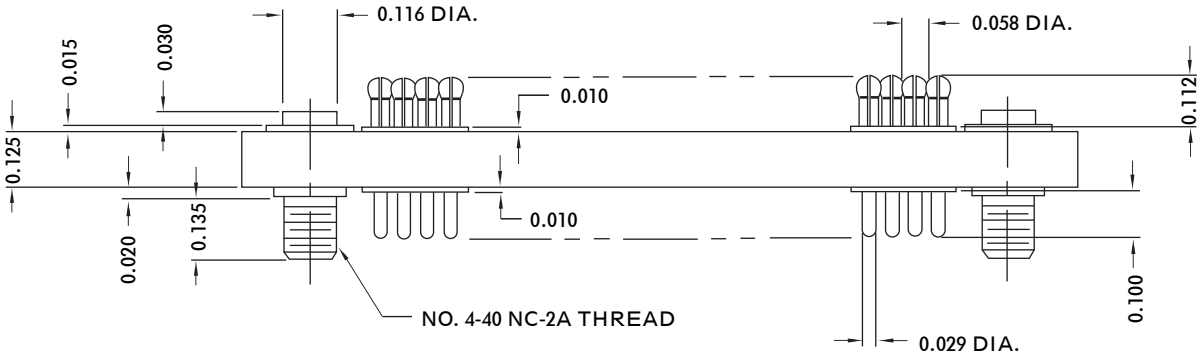






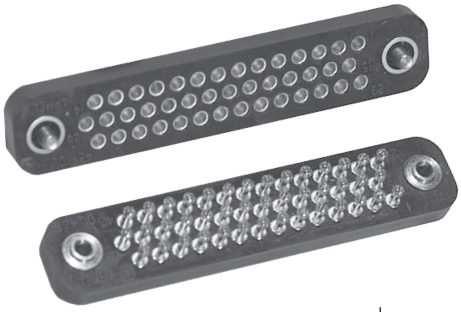
DL 25S-34L2FT3

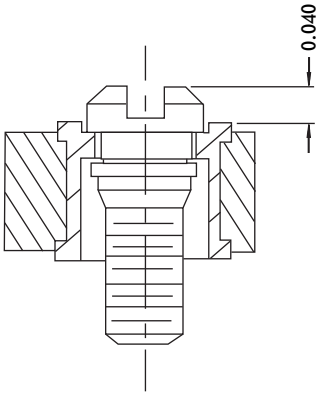


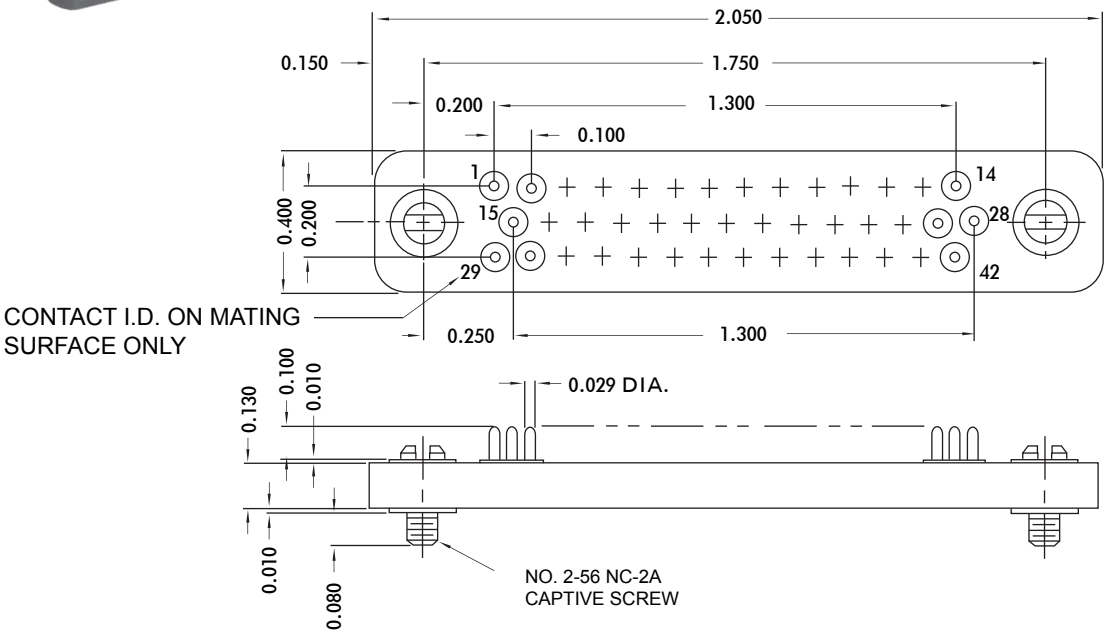


DL 25P-22L2FT3

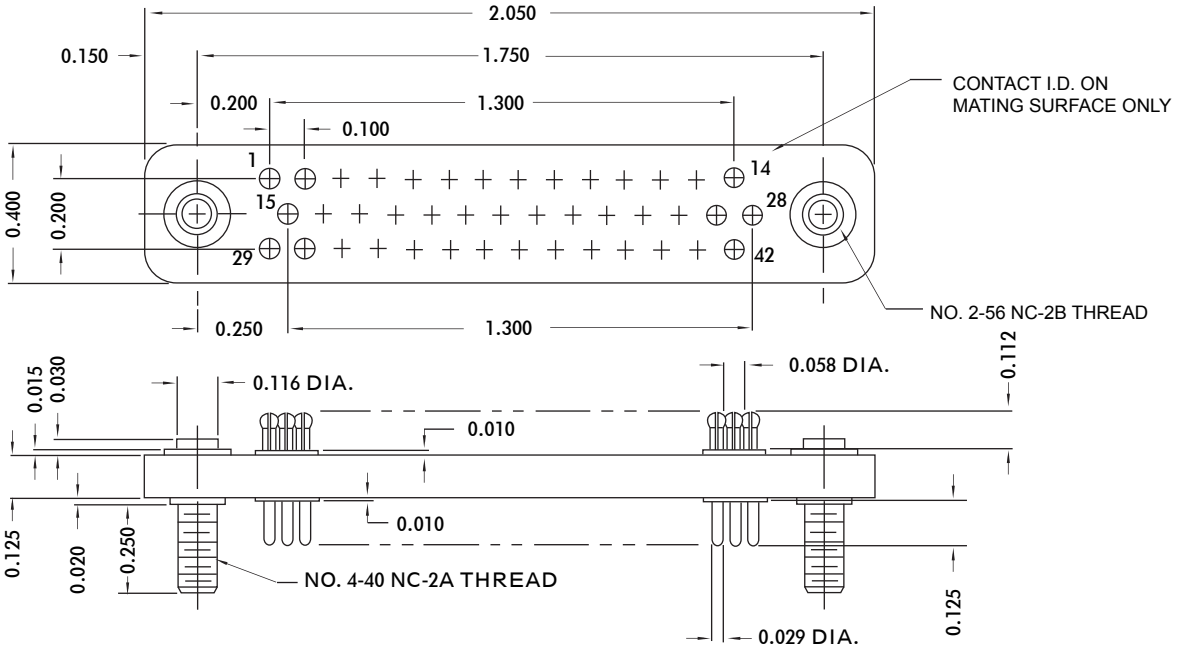
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 63







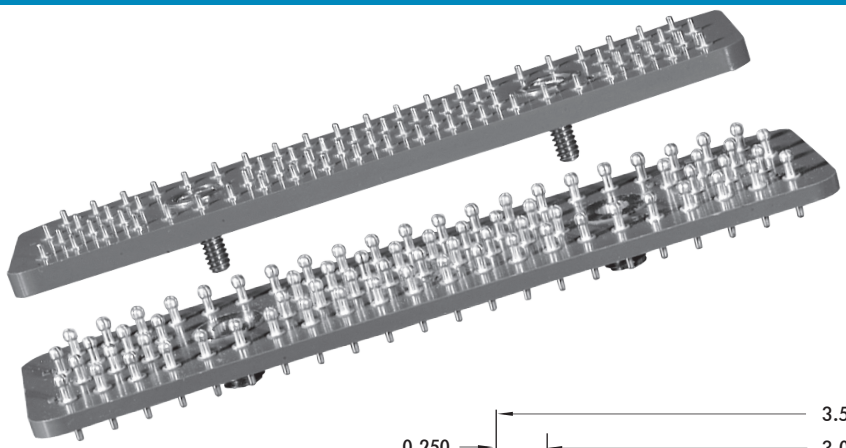
DL 42S-34L2FT3

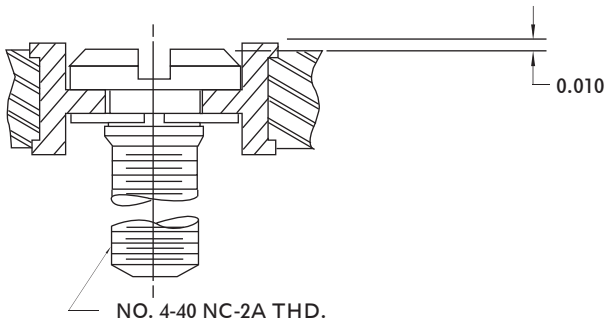


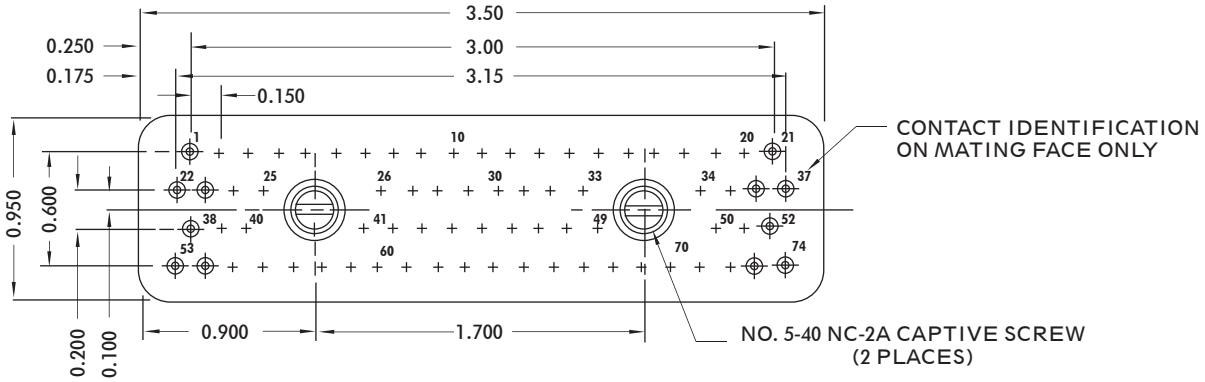
DL 42P-22L2FT3

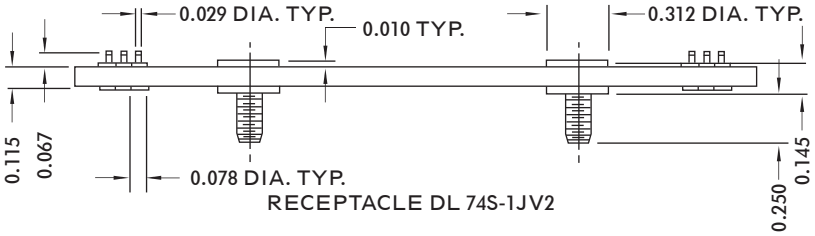
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 63

Questions? Contact Armel Electronics at: 1.800.840.0666

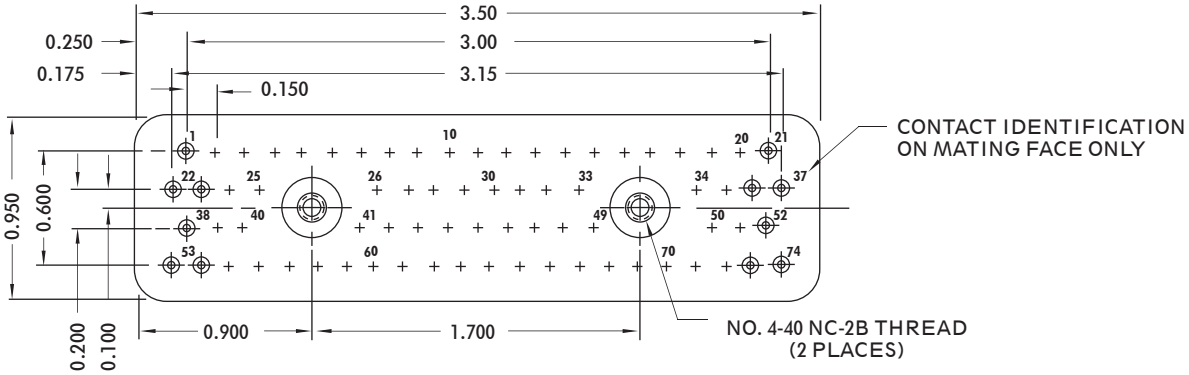


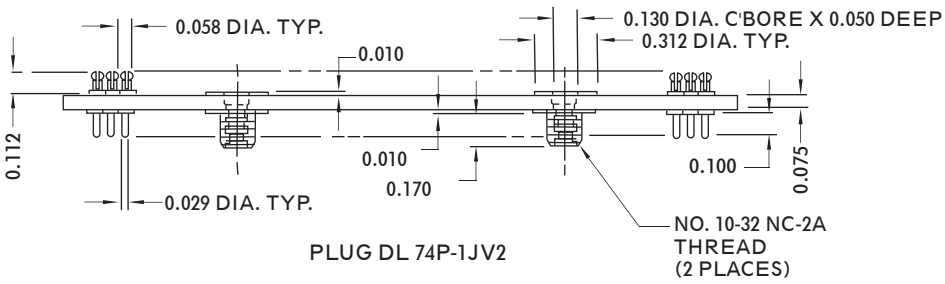






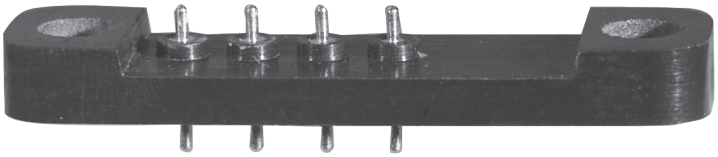
RECEPTACLE DL 74S-1JV2

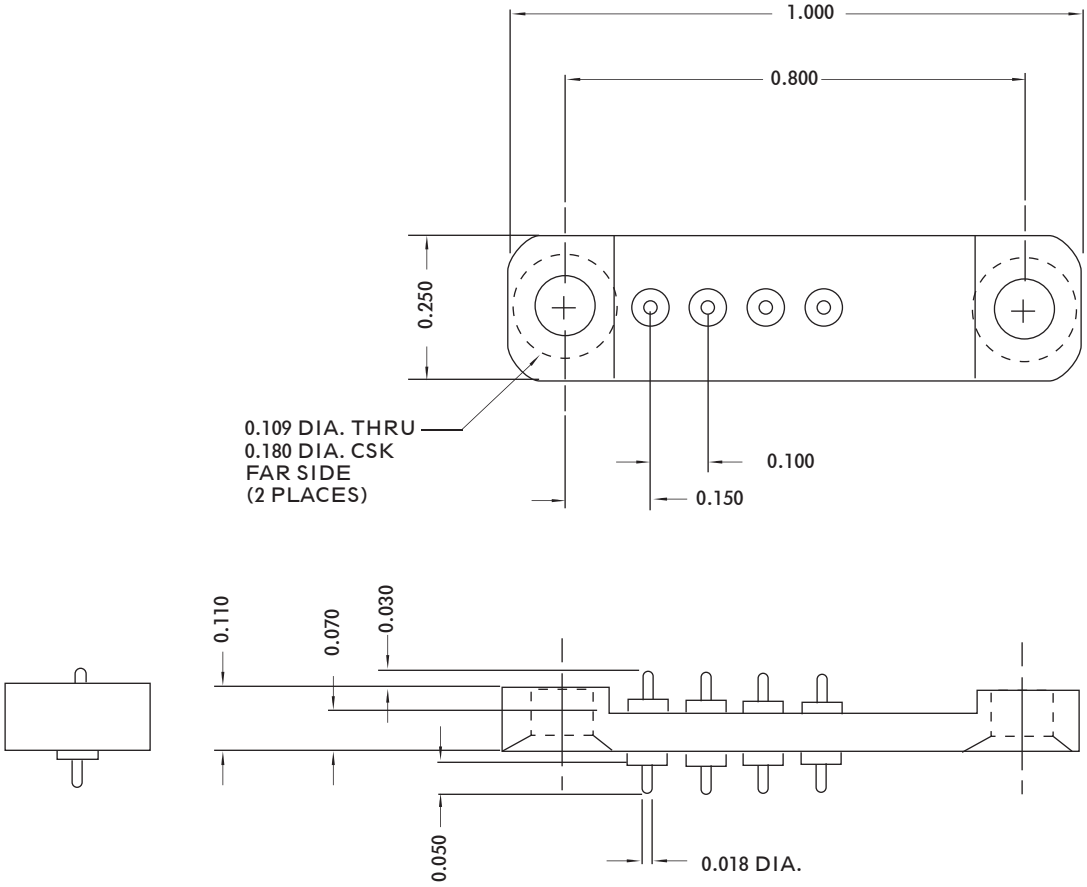




PLUG DL 74P-1JV2

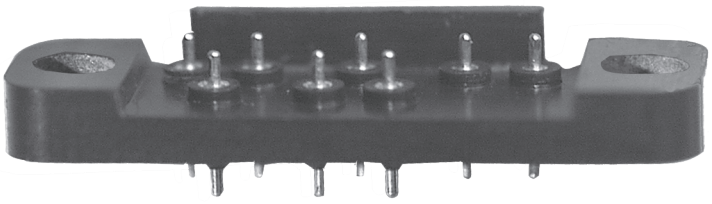
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 63

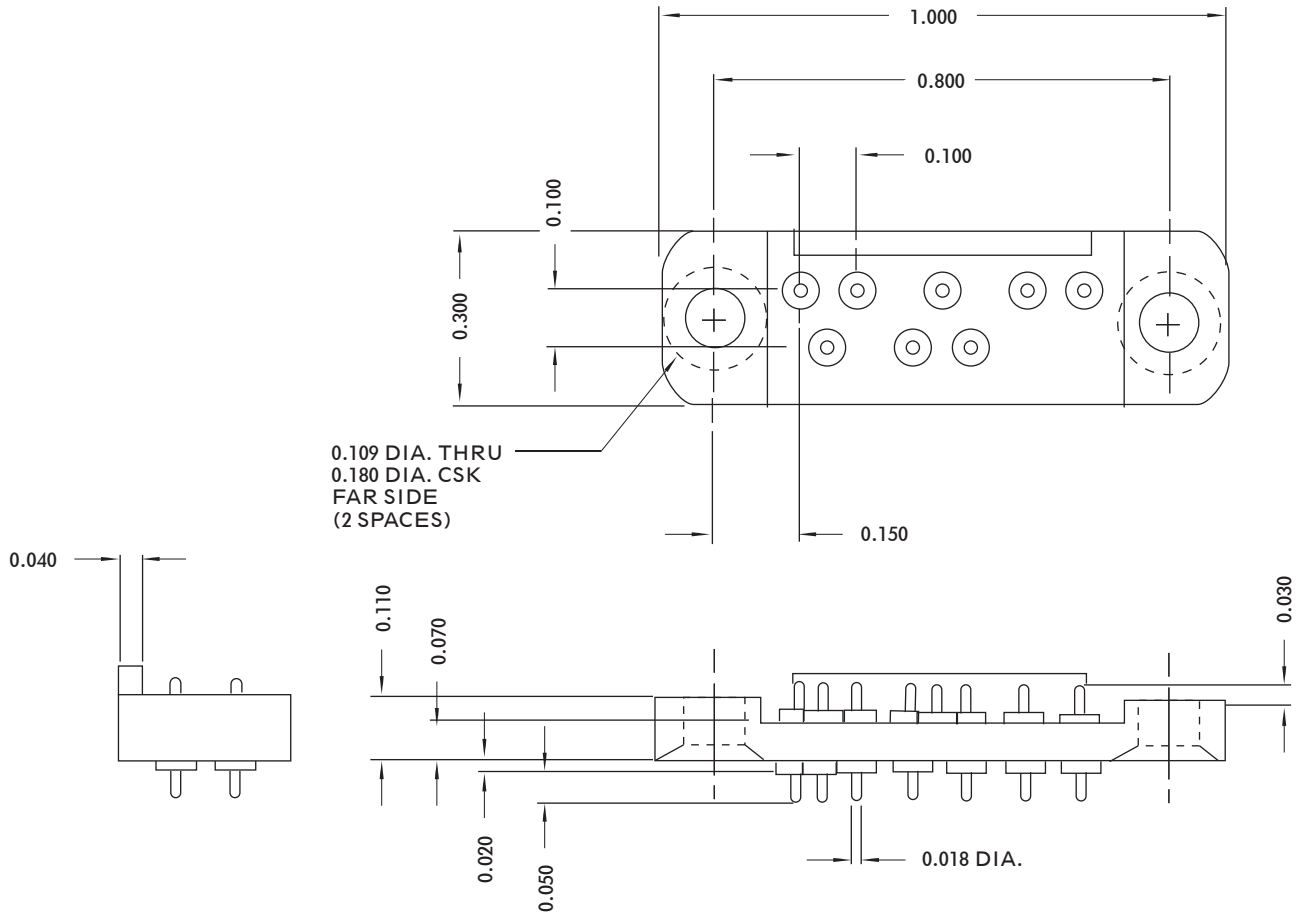




DPC-4-L2T3

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 68





DPC-8L2T3

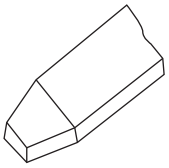
SPECIFICATIONS

Current Rating	1 Ampere
Dielectric Withstanding Voltage	500 Volts

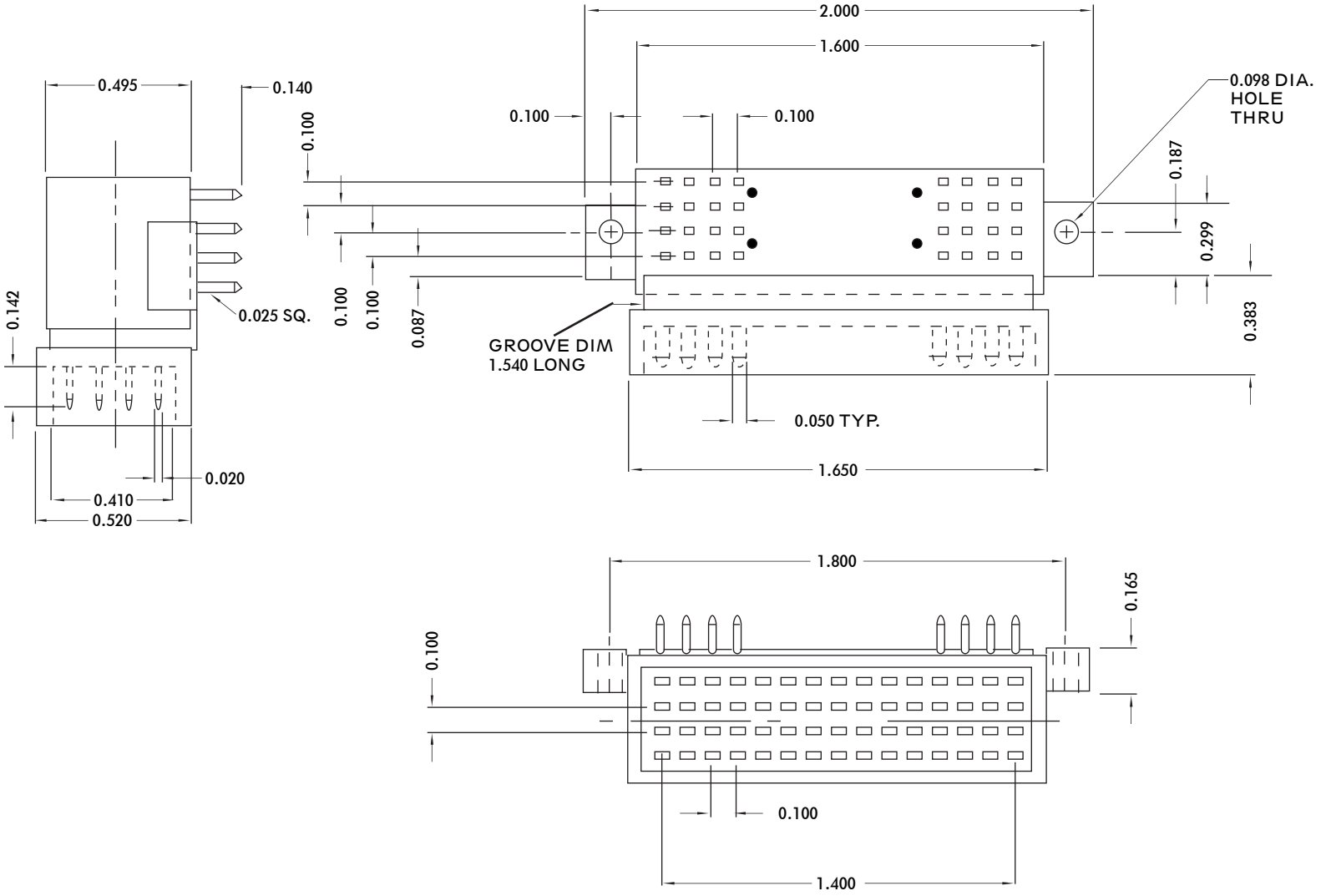
CONTACTS :

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

WFP 60 SERIES

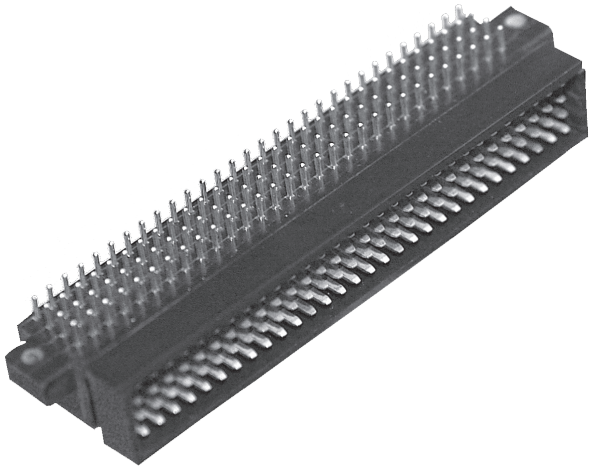


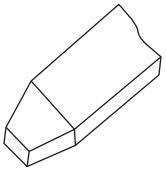
BLADE
CONTACTS



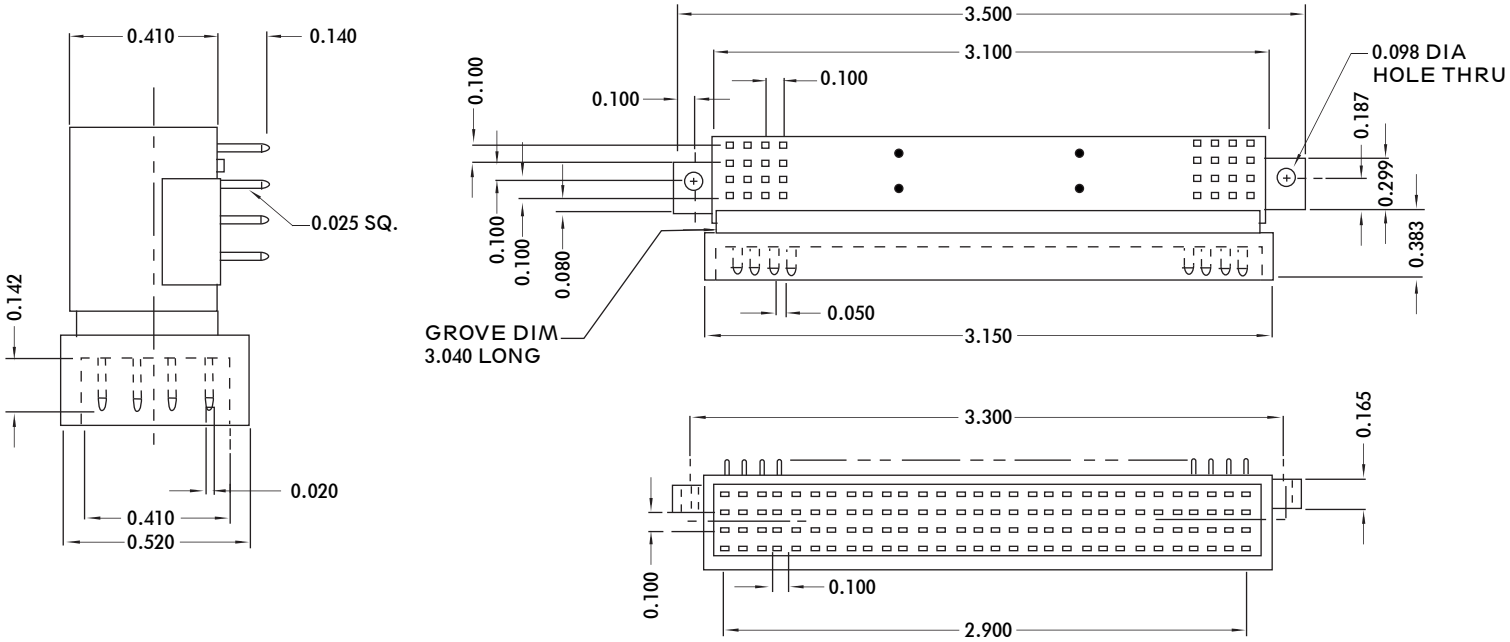
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE PAGE 70

Questions? Contact Armel Electronics at: 1.800.840.0666





BLADE
CONTACTS



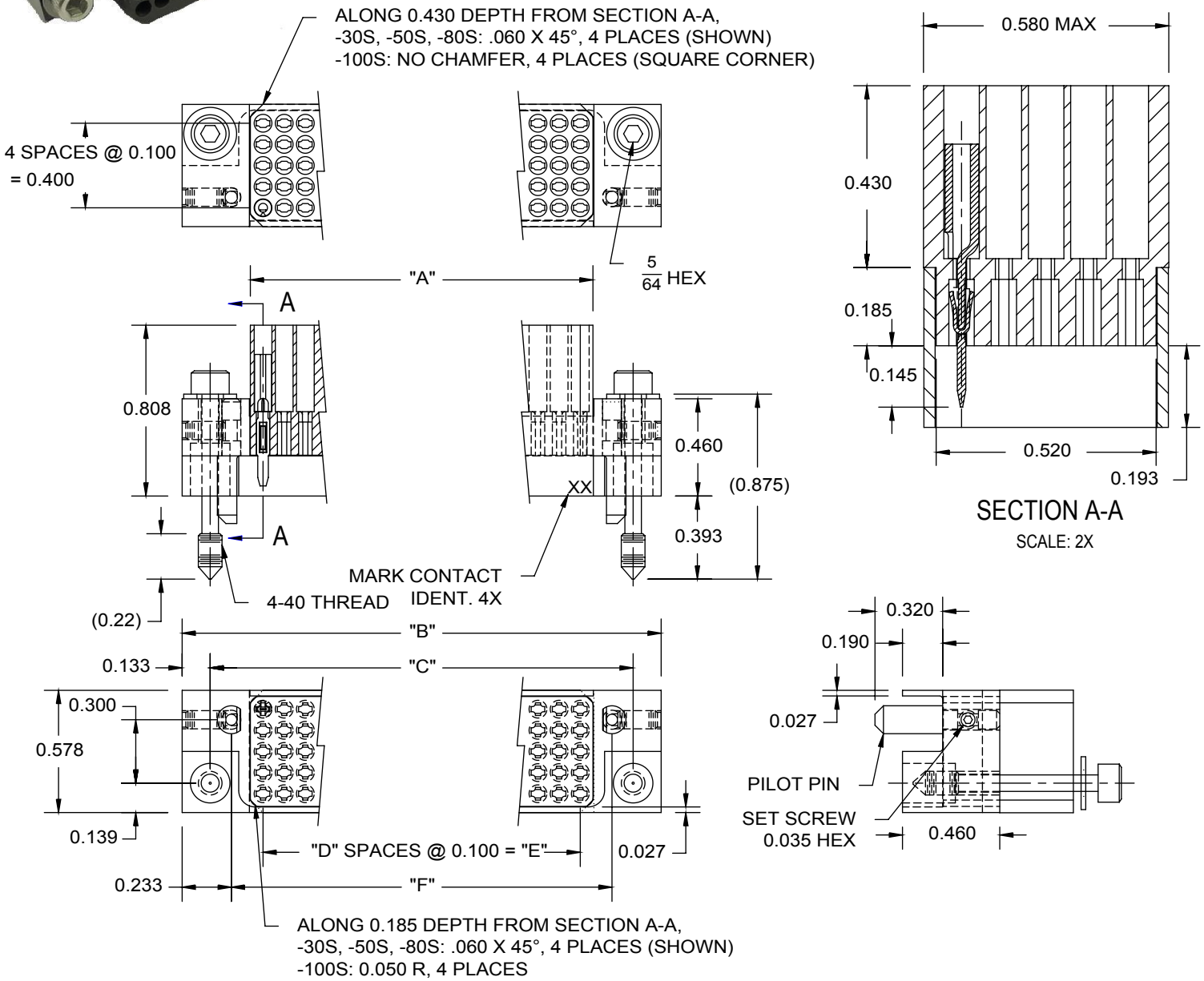
SPECIFICATIONS

Current Rating . . . . . 5 Amperes
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
Contact Tails. . . . . Hot Solder Dipped, 60/40 Tin Lead per QQ-S-571
(OTHER PLATINGS AVAILABLE UPON REQUEST)
Insulation Material. . . . . .Diallyl Phthalate per MIL-M-14, Type SDG-F, Color Black

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

Questions? Contact Armel Electronics at: 1.800.840.0666

SPECIFICATIONS

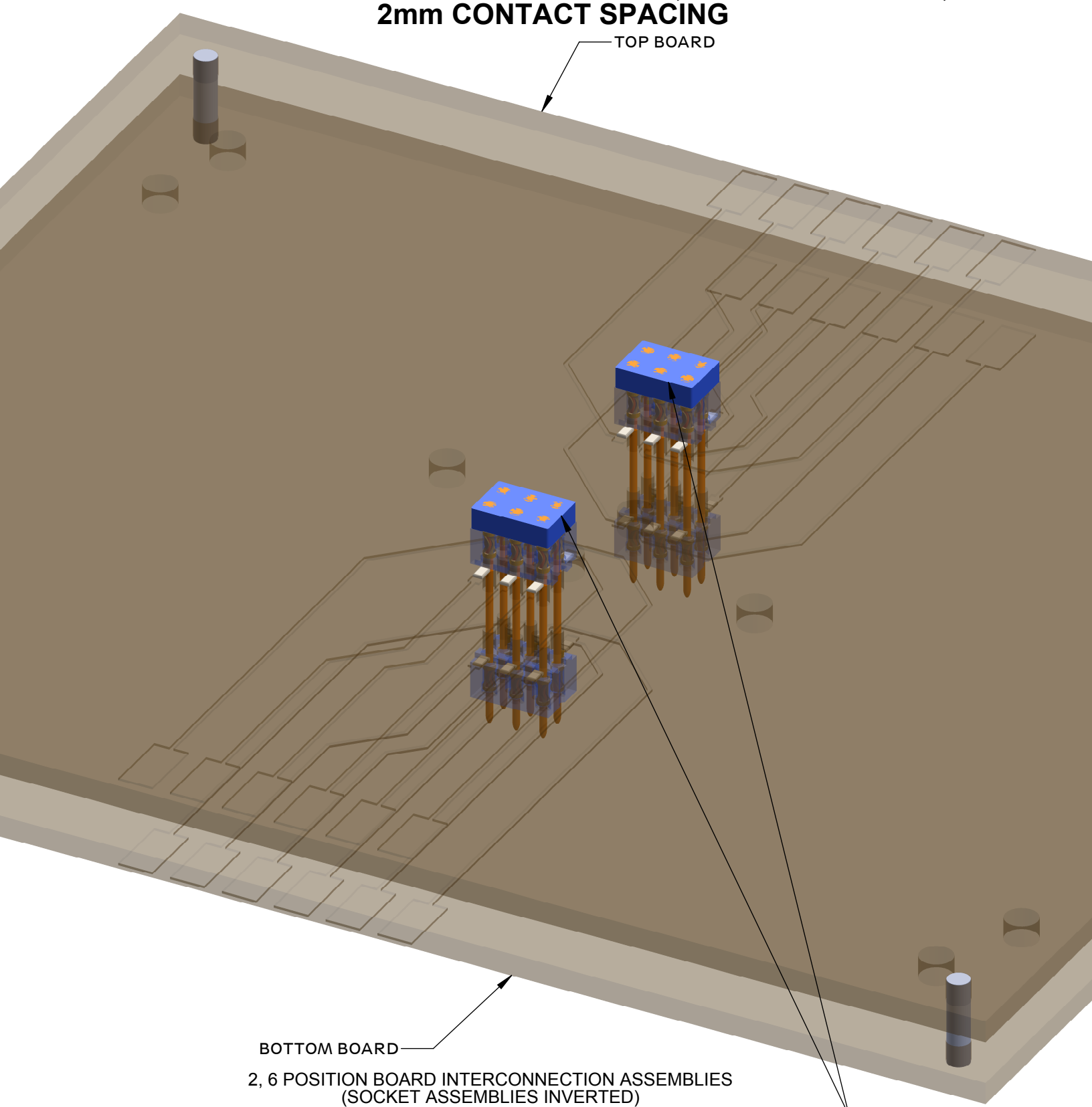
ELECTRICAL

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

PARALLEL BOARD INTERCONNECTS, SURFACE MOUNT, 2mm CONTACT SPACING

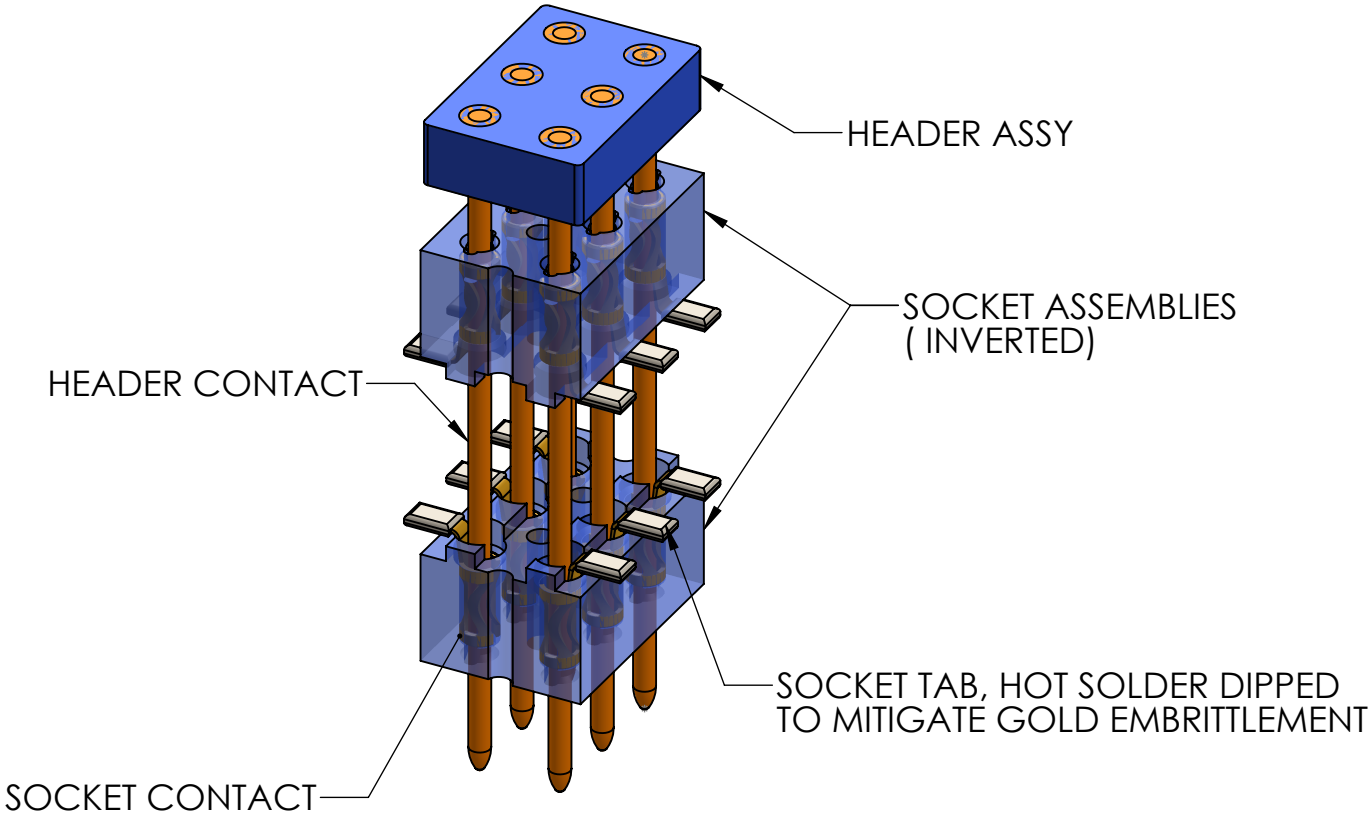


2, 6 POSITION BOARD INTERCONNECTION ASSEMBLIES
(SOCKET ASSEMBLIES INVERTED)
UP TO 60 POSITIONS AVAILABLE
(SOCKET INSULATORS AND CIRCUIT BOARDS SHOWN TRANSPARENT)

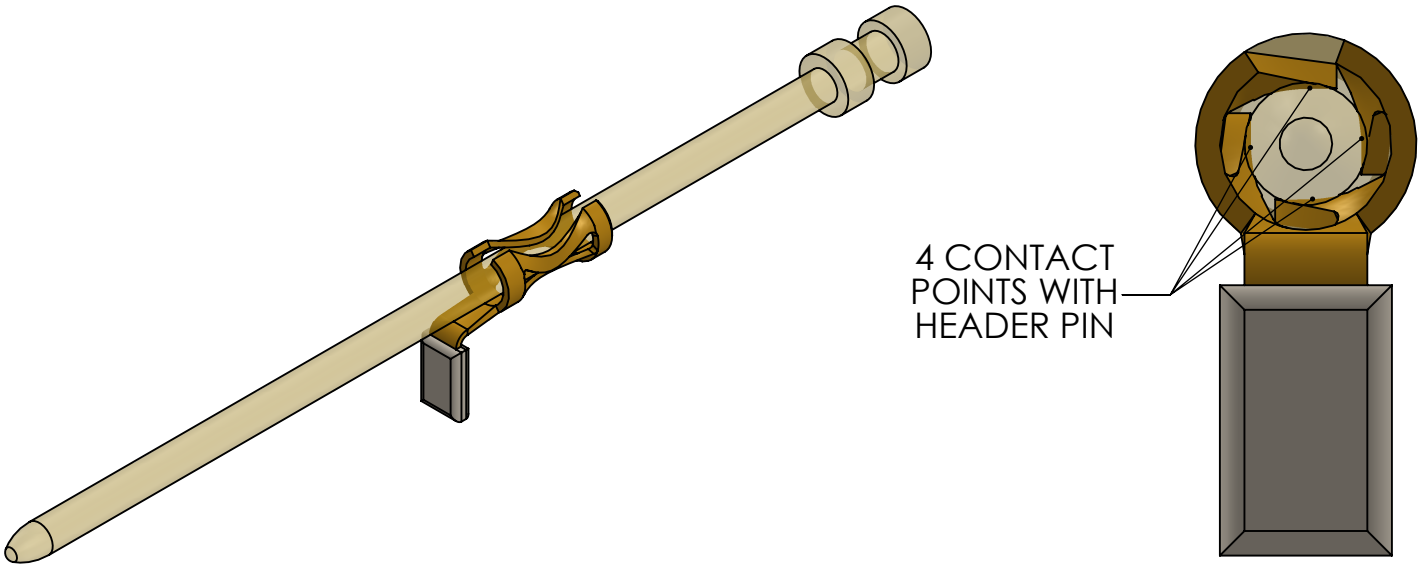
FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE CATALOG PAGES 75 & 77

Questions? Contact Armel Electronics at: 1.800.840.0666

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

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

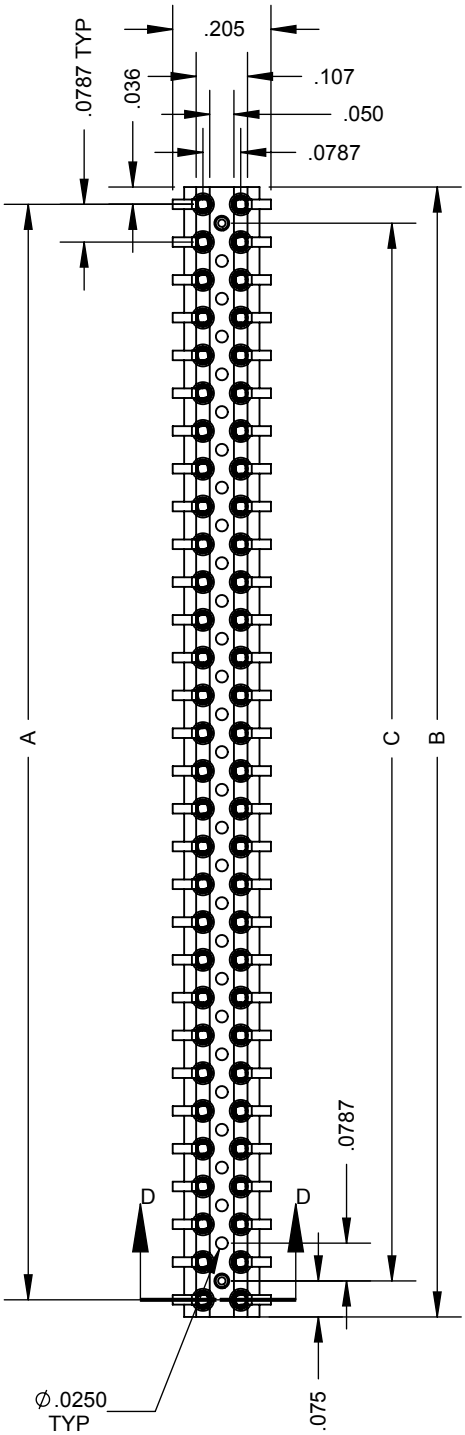
Contact Finish.....(0.000025 In. Min. Thk.) Cobalt Gold Plate, Grade C over (0.000025 In. Min. Thk.) Gold Plate (24 Carat) per MIL-G-45204, Type I, Grade A over (0.0001 In. Min. Thk.) Nickel Plate per QQ-N-290, Type VII, Class 1 (Low Stress Nickel) over (0.0001 In. Min. Thk.) Copper Plate Per MIL-C-14550, 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

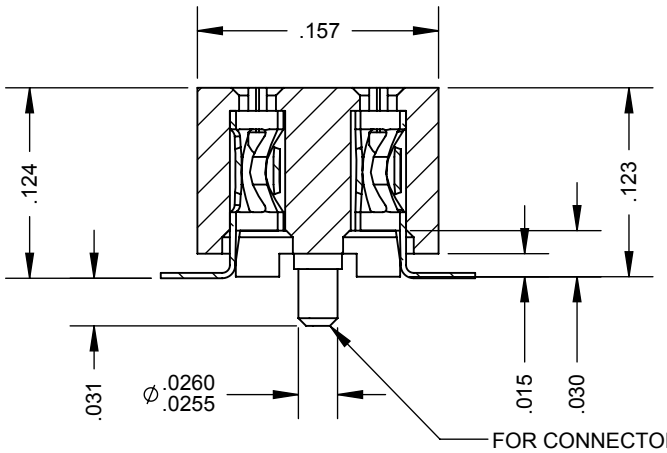
Alignment Pin Material.....Nylon 6/6

Questions? Contact Armel Electronics at: 1.800.840.0666

DIMENSIONS FOR SOCKET ASSEMBLIES FROM 2 TO 60 CONTACTS



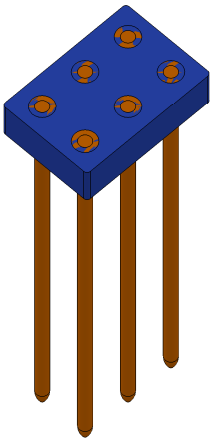
SOCKET ASSEMBLY TABLE					
PART NO	ASSY NO	A±.002	B+0/-.008	C±.002	CONTACTS
M2-60S-02-2L2FT3	3292-0	2.282	2.352	2.204	60
M2-58S-02-2L2FT3	3292-1	2.204	2,274	2.125	58
M2-56S-02-2L2FT3	3292-2	2.125	2.195	2.046	56
M2-54S-02-2L2FT3	3292-3	2.046	2.116	1.968	54
M2-52S-02-2L2FT3	3292-4	1.968	2.038	1.889	52
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

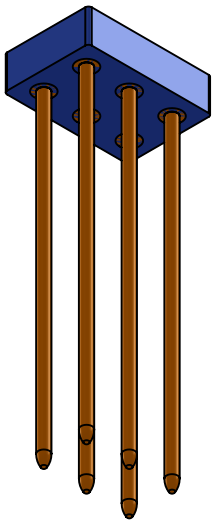


SOCKET CONTACTS SHOWN WITHOUT SOLDER DIP

FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE CATALOG PAGES 75 & 77

6 POSITION HEADER ASSY





ACTUAL SIZE (SCALE 1:1)

SPECIFICATIONS

ELECTRICAL

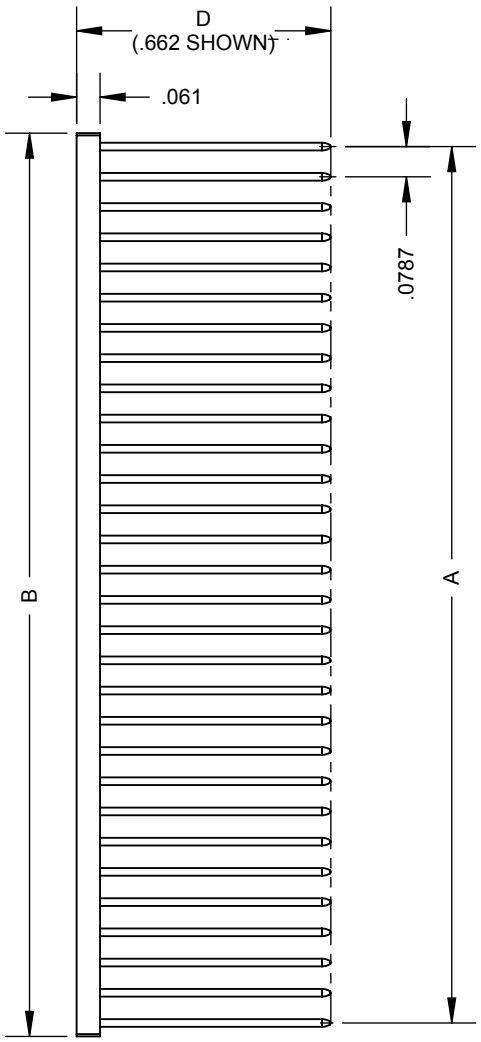
Current Rating.....2 amperes @ 80˚C Ambient
Dielectric Withstanding Voltage.....
Contact to Contact
Sea Level.....1000 VRMS @ 60 Hz

MECHANICAL

Contact Material.....Brass Wire Alloy C36000 H02 Temper per ASTM B16.
Contact Finish.....(0.000025 In. Min. Thk.) Cobalt Gold Plate, Grage 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

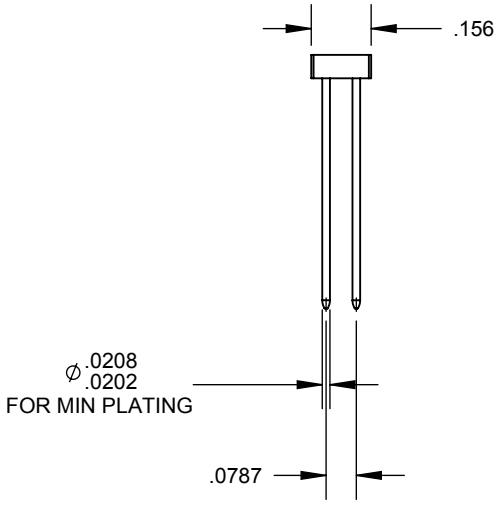
Questions? Contact Armel Electronics at: 1.800.840.0666

DIMENSIONS FOR HEADER ASSEMBLIES FROM 2 TO 60 CONTACTS



HEADER ASSEMBLY TABLE				
PART NO	DRAWING NO	A±.002	B+0/-.008	CONTACTS
M2-60P-*-02-2L2FT3	9942-*-0	2.282	2.352	60
M2-58P-*-02-2L2FT3	9942-*-1	2.204	2,274	58
M2-56P-*-02-2L2FT3	9942-*-2	2.125	2.195	56
M2-54P-*-02-2L2FT3	9942-*-3	2.046	2.116	54
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

*	D ± .005
1	.662
2	.837
3	.600
4	.750



FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS SEE CATALOG PAGES 75 & 77

GENERAL SPECIFICATIONS

PART NUMBER

DEP23K-3 J F V2

- V2 — SUFFIX 4 CONTACT PLATING
- F — SUFFIX 3 SUPPLEMENTARY CONTACT TERMINAL FINISH
- J — SUFFIX 2 INSULATION MATERIAL
- -3 — CONTACT TERMINATION
- K — SUFFIX 1 CONTACT STYLE
- 23 — NUMBER OF CONTACTS
- DEP — SERIES

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)

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.

Questions? Contact Armel Electronics at: 1.800.840.0666