

SPECIFICATIONS

MATERIALS:

Pin Contacts:	PhBr per ASTM B139, BeCu per ASTM B196, or Cu alloy
Socket Contacts:	
Contact Wires:	BeCu per ASTM B197
Termination:	PhBr per ASTM B139 or Cu alloy
Support Elements:	Cu alloy
Hardware:	Corrosion resistant steel per ASTM A582 or Brass per ASTM B16 or Cu alloy
Insulator:	Glass Filled Diallyl Phthalate per ASTM D5948 Modified polyphenylene sulfide per MIL-M-24519, Type GST-40F
Pin Shields:	Aluminum 5052-H32 per QQ-A-250/8

FINISHES:

Pin Contacts:	Gold per ASTM B488 or MIL-DTL-45204 Type II, Class 1.27 min. , Code C over Nickel, 0.000050 min., per SAE-AMS-QQ-N-290 over Copper per SAE AMS 2418
Socket Contacts:	
Contact Wires:	Gold per ASTM B488 or MIL-DTL-45204 Type II, Class 1.27 min. , Code C over Nickel, 0.000050 min., per SAE-AMS-QQ-N-290 over Copper per SAE AMS 2418
Termination:	Gold per ASTM B488 or MIL-DTL-45204 , Class 0.50 min. , Grade C over Nickel, 0.000050 min., per SAE-AMS-QQ-N-290 over Copper per SAE AMS 2418 or solder dip over Nickel, 0.000050 min., per SAE-AMS-QQ-N-290 over Copper per SAE AMS 2418
Support Elements:	Nickel, 0.000050 min., over Copper per SAE AMS 2418
Hardware:	CRES - Passivate per SAE-AMS2700 Cu alloy - Nickel plate, 0.000050 min.
Pin Shields:	Gold Anodize per MIL-A-8625, Type II, Class 2

PERFORMANCE:

Current Rating:	4 amp @ 30°C Rise (higher ratings may be supported--contact factory)
Insulation Resistance:	10 ⁶ megohms min. - EIA-364-21 & MIL-DTL-55302 (par. 4.5.8) @500 VDC
Contact Resistance:	5 milliohms max, - EIA-364-06 & MIL-DTL-55302 (par. 4.5.5)
Breakdown Voltage between contacts:	1400V RMS min
Dielectric Withstanding Voltage:	1050V RMS min
Temperature:	-65°C to +125°C (-85°F to +257°F)
De-mating Force:	0.30 to 2.00 oz. per contact x number of contacts - MIL-STD-55302 (par. 4.5.4)
Contact Life:	100,000 mating cycles - Exceeds MIL-DTL-55302 (par. 4.5.9)
Solderability:	IPC/EIA J-STD-002, Category 3
Humidity:	IAW EIA-364-31, Method IV, except 7A & 7B (not required)
Vibration:	IAW EIA-364-28 & MIL-DTL-55302 (par. 4.5.10)
Shock:	IAW EIA-364-27 & MIL-DTL-55302 (par. 4.5.14)
Salt Spray:	IAW EIA-364-26 & MIL-DTL-55302 (par. 4.5.11)
Temperature Cycling:	IAW EIA-364-32 & MIL-DTL-55302 (par. 4.5.13)

DIMENSIONS:

Catalog product dimensions are nominal.
For linear and positional tolerances, contact factory.

All information contained herein is believed to be reliable as of the date of publication, but is subject to change without notice. Current product drawings and specifications are available upon request from IEH.

IEH warrants its products to be free of defects affecting normal use. If any shipment is found to be defective we will accept return for repair or replacement at our option within one year of shipment. IEH is not responsible for incidental or consequential damages arising out of the use of our products.