

INTERFACE DESIGN STANDARD		<i>The PHOENIX Company of Chicago, Inc.</i> 22 GREAT HILL RD., NAUGATUCK, CT 06770 WWW.PHOENIXOFCHICAGO.COM PHONE: (800) 323-9562	REV.	DESCRIPTION	DATE	APPR.
IDS 16			F	PER ECN 13730	03/12/20	JEM
SHEET 1 OF 1	DATE: 02/28/1994		E	PER ECN 13033	07/23/18	JEM
DRAWN: JEM	APPROVED: HN		D	PER ECN 12960	04/06/18	JEM
		C	PER ECN 8579	06/30/06	HN	

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16 SERIES, 75 OHMS PDM

MATERIALS

BODIES

Plug: Brass Per ASTM-B-16
 Receptacle: Beryllium Copper Per ASTM-B-196

CLIP RING

Beryllium Copper Per ASTM-B-194

CONTACTS

Male Contact: Brass Per ASTM-B-16
 Female Contacts: Beryllium Copper Per ASTM-B-196

INSULATORS

Teflon (PTFE) Per ASTM-D-1457

PLATING

Gold Per MIL-DTL-45204
 Copper Per MIL-C-14550
 Nickel Per QQ-N-290

FINISH (Add Letter To End Of Part Number)

OPTIONS

"A"= .000050 Min. Gold Over Nickel
 "B"= .000030 Min. Gold Over Nickel
 "C"= .000050 Min. Gold Over Copper
 "D"= .000030 Min. Gold Over Copper

MATING CHARACTERISTICS

Bodies: 48 oz. (3 lbs.) Max. Insertion
 2 oz. (0.125 lbs.) Min. withdrawal.
 Contacts: 16 oz. (1 lbs.) Max. Insertion
 5 oz. (0.031 lbs.) Min. Withdrawal
 Housing Retention: 192 oz. (12 lbs.) Min.

ELECTRICAL

Frequency Range: DC TO 2.0 GHz
 Voltage Rating Straight: 1000 VRMS
 Voltage Rating Angled: 800 VRMS
 Insulation Resistance: 5000 Megohms Min.
 Insertion Loss: .5 dB Max.
 Current Rating: 3.5 AMPS
 Impedance: 75 Ohms
 Contact Resistance: Center Contact 5 Milliohms
 Contact Resistance: Outer Contact 3 Milliohms
 VSWR:
 Max. Power: 500 Watts

ENVIRONMENTAL

Operating Temperature: -55°C To +165°C
 Insulation Resistance: N/A
 Vibration: MIL-STD-1344, Method 2005, Test Condition 4
 Shock: MIL-STD-1344, Method 2004, Test Condition A
 Thermal Shock: N/A
 Durability: 500 Cycles
 Moisture Resistance: N/A
 Corrosion: N/A
 Temperature Cycling: N/A
 High Temperature Test: N/A
 Salt Spray: MIL-STD-1344, Method 1001, Test Condition B