

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-78P			F	PER ECN 13488	9/10/19	JEM
SHEET 1 OF 1	DATE: 08/04/98		E	PER ECN 13033	07/24/18	JEM
DRAWN: JEM	APPROVED: HN		D	PER ECN 12819	04/02/18	JEM
			C	PER ECN 11479	10/19/12	JEM

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78 Series, High Power Size 8

MATERIALS

BODIES

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

CONTACTS

Male Contact: N/A
 Female Contacts: N/A

INSULATORS

N/A

PLATING

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

FINISH (Add Letter To End Of Part Number)

MATING CHARACTERISTICS

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

Bodies: 48 oz. (3lbs Max.) Insertion
 2oz. (0.125lbs.) Min. Withdrawal

ELECTRICAL

Frequency Range: N/A
 Voltage Rating Straight: N/A
 Voltage Rating Angled: N/A
 Insulation Resistance: N/A
 Insertion Loss: N/A
 Current Rating: 10, 20 & 40 AMPS
 Impedance: 50 Ohms

Contact Resistance: 3 Milliohms
 Contact Resistance: N/A
 VSWR:
 N/A

ENVIRONMENTAL

Operating Temperature: -55°C to+ 165°C
 Insulation Resistance: 2000 Megohms Post Humidity
 Vibration: MIL-STD-202, Method 204, Test Condition D
 Shock: MIL-STD-202, Method 213, Test Condition I
 Thermal Shock: MIL-STD-202, Method 107, B, Except High Temperature Shall Be+85°C

Durability: 500 Cycles
 Moisture Resistance: MIL-STD-202, Method 106
 Corrosion: N/A
 Temperature Cycling: N/A
 High Temperature Test: N/A
 Salt Spray: MIL-STD-1344, Method 1001, Condition B