

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-26			J	PER ECN 13033	07/23/18	JEM
SHEET 1 OF 1	DATE: 02/28/94		I	PER ECN 12843	04/12/18	JEM
DRAWN: JEM	APPROVED: HN		H	PER ECN 12280	02/08/16	RMB

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Description: 26 Series, Size 8 PkZ®

MATERIALS

BODIES

Plug: Brass Per ASTM-B-16
 Receptacle: Brass Per ASTM-B-16

CLIP RING

Beryllium Copper Per ASTM-B-196

CONTACTS

Male Contact: Beryllium Copper Per ASTM-B-197
 Female Contacts: Beryllium Copper Per ASTM-B-197

O-RING (Opt.)

Environmental Silicone Rubber Per ZZ-R-765
 EMI Spring Beryllium Copper Per ASTM-B-196

INSULATORS

Virgin Teflon (PTFE) Per ASTM-D-1710

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. (3lbs Max.) Insertion
 2 oz. (0.125 lbs.) Min. Withdrawal
 Contacts: 32 oz. (2lbs.) Max. Insertion
 .5 oz. (0.032 lbs.) Min. Withdrawal
 Axial Mating Tol.: .090"
 Housing Retention: 192 oz. (12lbsS.) Min.

ELECTRICAL

Frequency Range: DC To 32 GHz	Contact Resistance: Center Contact 5 Milliohms
Voltage Rating Straight: 1000 VRMS	Contact Resistance: Outer Contact 3 Milliohms
Voltage Rating Angled: 800 VRMS	VSWR:
Insulation Resistance: 2000 Megohms Min.	RG-402 1.08 + .009*f(GHz.)
Insertion Loss: .06√f(GHz) dB	RG-174, 316 1.15 + .020*f(GHz.)
Current Rating: 5 AMPS	RG-142, 223, 303, 400 1.15 + .010*f(GHz.)
Impedance: 50 Ohms	

ENVIRONMENTAL

Operating Temperature: -65°C TO +165°C	Durability: 500 Cycles
Insulation Resistance: 2000 Megohms Post Humidity	Moisture Resistance: MIL-STD-202, Method 106
Vibration: MIL-STD-202, Method 204, Test Condition D	Corrosion: N/A
Shock: MIL-STD-202, Method 213, Test Condition I	Temperature Cycling: N/A
Thermal Shock: MIL-STD-202, Method 107, Test Condition B, Except High Temperature Shall Be +85° C	High Temperature Test: N/A
	Salt Spray: MIL-STD-1344, Method 1001, Condition B