

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-268			F	PER ECN 13488	09/10/19	JEM
SHEET 1 OF 1	DATE: 06/01/17		E	PER ECN 13033	07/24/18	JEM
DRAWN: JEM	APPROVED: RMB		D	PER ECN 12925	04/27/18	JEM
		C	PER ECN 12733	12/05/17	RMB	

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Description: 268 Series, 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-196 Or *
 Female Contacts: 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

* Brass Per ASTM-B-16

FINISH (Add Letter To End Of Part Number)

OPTIONS

"A" = .000050 Min. Gold Over Nickel
 "C" = .000050 Min. Gold Over Copper

Other Metal Parts: Plated To Meet The Environmental Requirements

MATING CHARACTERISTICS

Bodies: 24 oz. (1.5 lbs.) Max. Insertion
 2 oz. (0.125 lbs.) Min. Withdrawal
 Contacts: 14 oz. (0.875 lbs.) Max. Insertion
 .5 oz. (0.031 lbs.) Min. Withdrawal
 Axial Mating Tol.: .110"
 Housing Retention: 160 oz. (10 lbs.) Min.

ELECTRICAL

Frequency Range: DC To 40 GHz
 Voltage Rating Straight: 700 VRMS
 Voltage Rating Angled: 500 VRMS
 Insulation Resistance: 2000 Megohms Min.
 Insertion Loss: $.07\sqrt{f(\text{GHz})}$ dB
 Current Rating: 1.25 AMPS
 Impedance: 50 Ohms
 Contact Resistance: Center Contact 6 Milliohms
 Contact Resistance: Outer Contact 4 Milliohms
 VSWR: Configuration Dependent
 R.F. Leakage: -90 dB Min. @2-3 GHz

ENVIRONMENTAL

Operating Temperature: -65°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, Test Condition 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