

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-15P			C	PER ECN 13033	07/23/18	JEM
SHEET 1 OF 1	DATE: 02/28/94		B	PER ECN 12845	04/12/18	JEM
DRAWN: JEM	APPROVED: HN		A	PER ECN 5124	06/30/99	HN

WARNING - THIS DOCUMENT CONTAINS TECHNICAL DATA WHOSE EXPORT IS RESTRICTED BY THE ARMS EXPORT CONTROL ACT (TITLE 22, U.S.C., SEC 2751, ET. SEQ.) OR THE EXPORT ADMINISTRATION ACT OF 1979, AS AMENDED, TITLE 50, U.S.C., APP 2401 ET SEQ. VIOLATIONS OF THESE EXPORT LAWS ARE SUBJECT TO SEVERE CRIMINAL PENALTIES. DISSEMINATE IN ACCORDANCE WITH PROVISIONS OF DOD DIRECTIVE 5230.25.

Description: 15 Series, High Power 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: N/A
 Female Contacts: N/A

INSULATORS

N/A

PLATING

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

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

Housing Retention: 192 oz. (12 lbs.) Min.

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, 30 & 40 AMPS
 Impedance: 33 Ohm

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

SOLDERABILITY: MIL-STD-202, Method 208

ENVIRONMENTAL

Operating Temperature: -55°C to+ 165°C
 Insulation Resistance: N/A
 Vibration: MIL-STD-202, Method 204, Test Condition D
 Shock: MIL-STD-1344, Method 2005, Test Condition 4
 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, Condition B