


Notes:

7647-0100-00G

- 1) Design and Interface per IDS 76.
- 2) 75 Ohm Size 8 PkZ® Plug to BNC Receptacle Adapter.
- 3) Performance to 2 GHz.
- 4) .000050" Min. Gold Over Nickel.

MATERIAL:		<small>UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES OR FEET DIMENSIONS IN PARENTHESES ARE IN MILLIMETERS</small> <small>DO NOT SCALE PRINTS</small> TOLERANCES ARE: FRACTIONS ± .001 DECIMALS ± .005 ANGLES ± .1°		PALES CONNECTOR 22 GREAT HILL RD., NAUGATUCK, CT 06770					
		<small>APPROVALS</small> DRAWN: B. Knott 7/9/2014 CHECKED: J.E.M. 7/11/2014 QA: _____ MFG: _____	<small>DATE</small> 7/9/2014 7/11/2014						
		<small>THE INFORMATION ON THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY AND IS NOT TO BE USED FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF P.C.</small>		<small>TITLE</small> Adaptor, PkZ (P) to BNC (R)					
<small>REV.</small> A	<small>ECN 11931</small> DESCRIPTION	<small>DATE</small> 7/11/2014	<small>JEN</small> APPR	<small>ENGINEER</small> B. Knott 7/9/2014 <small>APPROVED</small> J.E.M. 7/11/2014	<small>SIZE</small> B	<small>FSCM</small> 58167	<small>DWG NO</small> 7647-0100-00	<small>REV</small> A	<small>PLATTING OPT.</small>
				<small>SCALE</small> 1	<small>P.S.R. #</small> 10956	<small>SHEET 1 OF 1</small>			

INTERFACE DESIGN STANDARD			REV	DESCRIPTION	DATE	APPR
IDS-76			01	PRELIMINARY	01/07/10	JEM
PAGE 1 OF 1	DATE: 01/07/10					
DRAWN: JEM	APPROVED: JEM					
		22 GREAT HILL ROAD, NAUGATUCK, CT. 06770 PHONE: (203) 729-9090 FAX: (203) 723-1794				

DESCRIPTION: 76 SERIES PkZ®, SIZE 8, 75 OHM MICROWAVE CONTACTS FOR STANDARD DENSITY MULTI-PORT RF D-SUB CONNECTORS

MECHANICAL

MATERIALS

BODIES:

PLUG BODIES - BRASS PER ASTM B 16.
RECEPTACLE BODIES - BRASS PER ASTM B 16.

PLATING:

GOLD PER MIL-G-45204.
COPPER PER MIL-C-14550.
NICKEL PER QQ-N-290.

INSULATORS - VIRGIN TEFLON (PTFE) PER ASTM D 1710 AND ASTM D 1457.
RETAINING RING - BERYLLIUM COPPER PER ASTM B 196.
MALE CONTACT - BERYLLIUM COPPER PER ASTM B 197.
FEMALE CONTACTS - BERYLLIUM COPPER PER ASTM B 197.
WEATHER SEAL GASKET (OPTIONAL) - SILICONE RUBBER PER ZZ-R-765.
EMI GASKET - BERYLLIUM COPPER PER ASTM B 196.

FINISHES (ADD LETTER TO END OF PART NUMBER)

"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

OUTER BODIES _____ 3 LBS MAX. INSERTION.
2 OZ. MIN. WITHDRAWL.
CENTER CONTACTS _____ 32 OZ. MAX. INSERTION.
.5 OZ. MIN. WITHDRAWL.
HOUSING RETENTION _____ 12 LBS. MIN.
AXIAL MATING TOLERANCE _____ .090

ELECTRICALS

FREQUENCY RANGE: DC TO 3 GHz.
VOLTAGE RATING STRAIGHT: 1000 VRMS.
VOLTAGE RATING ANGLED: 800 VRMS.
CURRENT RATING: 5 AMPS.
INSULATION RESISTANCE: 2000 MEGOHMS MIN.
INSERTION LOSS: $.06 \sqrt{f(\text{GHz})}$ dB

CONTACT RESISTANCE: CENTER CONTACT 5 MILLIOHMS
CONTACT RESISTANCE: OUTER CONTACT 3 MILLIOHMS
VSWR: 1.08 + .009(f) GHz., RG-402 (75 OHMS) CABLE.
1.15 + .02 (f) GHz., MINI RG-59 CABLES.
1.15 + .01 (f) GHz., RG-59 CABLE.

ENVIRONMENTAL

OPERATING TEMPERATURE: -65°C to +165°C
VIBRATION: MIL-STD-202, METHOD 204, TEST CONDITION D.
SHOCK: MIL-STD-202, METHOD 213, TEST CONDITION I.
SALT SPRAY: MIL-STD-1344, METHOD 1001, CONDITION B.
DURABILITY: 500 CYCLES.

THERMAL SHOCK: MEL-STD-202, METHOD 107, TEST CONDITION B, EXCEPT HIGH TEMPERATURE SHALL BE +85°C.
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106. NO MEASUREMENT AT HIGH HUMIDITY. INSULATION RESISTANCE 2000 MEGOHMS AFTER HUMIDITY.

