


Notes:

7647-1100-00G

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

<b>MATERIAL:</b>				<small>UNLESS OTHERWISE SPECIFIED:          PALCO WORKING DIMENSIONS APPLY          DIMENSIONS IN INCHES OR (METRIC)          DO NOT SCALE PRINTS</small>	<table border="1"> <tr> <th>APPROVALS</th> <th>DATE</th> </tr> <tr> <td>DRAWN B. Knott</td> <td>7/9/2014</td> </tr> <tr> <td>CHECKED J.E.M.</td> <td>7/11/2014</td> </tr> <tr> <td>QA</td> <td></td> </tr> <tr> <td>MFG</td> <td></td> </tr> <tr> <td>ENGINEER B. Knott</td> <td>7/9/2014</td> </tr> <tr> <td>APPROVED J.E.M.</td> <td>7/11/2014</td> </tr> </table>		APPROVALS	DATE	DRAWN B. Knott	7/9/2014	CHECKED J.E.M.	7/11/2014	QA		MFG		ENGINEER B. Knott	7/9/2014	APPROVED J.E.M.	7/11/2014	<p><b>PALCO CONNECTOR</b>          22 GREAT HILL RD., NAUGATUCK, CT 06770</p>	
APPROVALS	DATE																					
DRAWN B. Knott	7/9/2014																					
CHECKED J.E.M.	7/11/2014																					
QA																						
MFG																						
ENGINEER B. Knott	7/9/2014																					
APPROVED J.E.M.	7/11/2014																					
<table border="1"> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APPR.</th> </tr> <tr> <td>A</td> <td>ECN 11931</td> <td>7/11/2014</td> <td>JEM</td> </tr> </table>				REV.	DESCRIPTION	DATE	APPR.	A	ECN 11931	7/11/2014	JEM	<small>TOLERANCES ARE:          FRACTIONS: ± .004          DECIMALS: .XX X .01          .XXX X .005          ANGLES: ± 1/2°</small>		<p>TITLE          Adaptor, PkZ (R) to BNC (R)</p>								
REV.	DESCRIPTION	DATE	APPR.																			
A	ECN 11931	7/11/2014	JEM																			
<small>THE INFORMATION IN THIS DOCUMENT IS          CONFIDENTIAL AND PROPRIETARY AND MAY          NOT BE USED FOR ANY PURPOSE WITHOUT          THE WRITTEN PERMISSION OF PALCO.</small>				<table border="1"> <tr> <td>SIZE <b>B</b></td> <td>FSCM 58167</td> <td>DWG NO 7647-1100-00</td> <td>REV A</td> <td>PLATTING OPT. G</td> </tr> <tr> <td colspan="2">SCALE</td> <td>F.S.R.# 10956</td> <td colspan="2">SHEET 1 OF 1</td> </tr> </table>		SIZE <b>B</b>	FSCM 58167	DWG NO 7647-1100-00	REV A	PLATTING OPT. G	SCALE		F.S.R.# 10956	SHEET 1 OF 1								
SIZE <b>B</b>	FSCM 58167	DWG NO 7647-1100-00	REV A	PLATTING OPT. G																		
SCALE		F.S.R.# 10956	SHEET 1 OF 1																			

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 MULTIPORT 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 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.

