

NOTES:

1. DESIGN AND INTERFACE PER I. D. S. -20.
2. BULLET, JAM NUT, LOCK WASHER, "O"-RING & FERRULE ARE SHIPPED LOOSE.
3. RATED TO IP67.
4. MOUNTING HOLE PER DS-16A, FIGURE 3.
5. ACCOMMODATES HIROSE 068 (1.13mm) OR EQUIVALENT CABLES.
6. CRIMP USING .081 HEX DIE (DANIELS Y1547P).

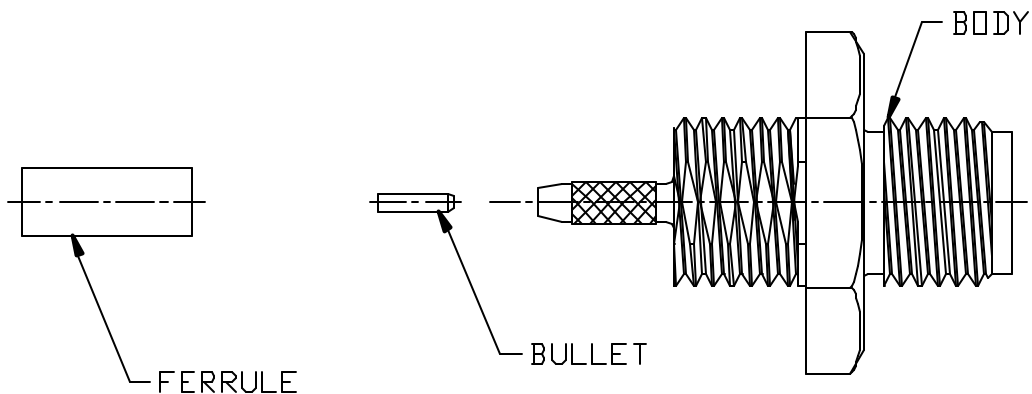
				PALCO CONNECTOR 22 GREAT HILL RD., NAUGATUCK, CT 06770 UNLESS OTHERWISE SPECIFIED, PALCO WORKMANSHIP STANDARDS APPLY TOLERANCES ON: DECIMALS: XX ± .01 .XXX ± .005 ANGLES ±1/2° 32' DIMENSIONS IN INCHES OR (METRIC) DO NOT SCALE PRINTS CATALOG ITEM	DRAWN JEM	CHECKED JEM	ENGINEER JEM	APPROVED JEM	FSCM 58167
					DATE 11/15/12	DESCRIPTION SMA WATERPROOF FRONT MOUNT BULKHEAD JACK			PLATING OPT. G, N
REV. A	DESCRIPTION PER ECN 11566	DATE 02/07/13	APPR. JEM						

CABLE ASSEMBLY PROCEDURE	
P/N	22-1917-0298
PAGE 1 OF 1	DATE: 11/15/12
DRAWN: JEM	APPROVED: JEM
FOR USE WITH HIROSE 1.13mm CABLE	

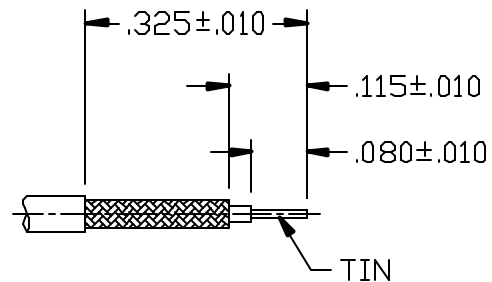
PALEO
CONNECTOR

22 GREAT HILL ROAD, NAUGATUCK, CT. 06770
PHONE: (203) 729-9090 FAX: (203) 723-1794

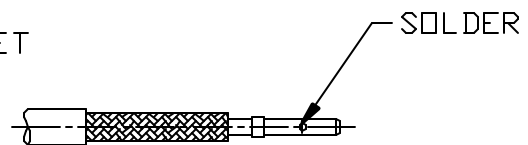
REV	DESCRIPTION	DATE	APPR
01	PRELIMINARY	11/15/12	JEM
A	PER ECN 11566	02/07/13	JEM



STEP 1
TRIM CABLE TO DIMENSIONS
SHOWN. TIN CENTER CONDUCTOR.
CLEAN.



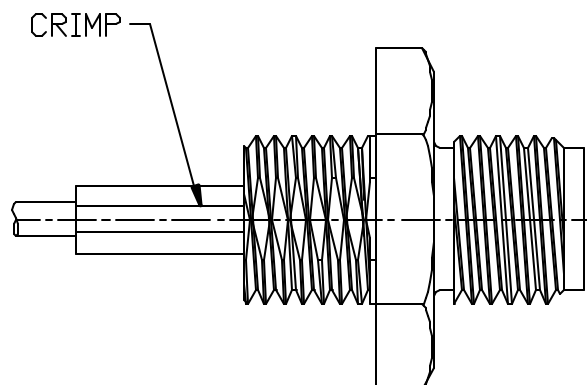
STEP 2
SLIDE BULLET ONTO
CENTER CONDUCTOR. SOLDER BULLET
TO CENTER CONDUCTOR. CLEAN
SOLDER JOINT.



STEP 3
SLIDE FERRULE ONTO CABLE.
FLARE BRAID BY ROTATING
CABLE DIELECTRIC.



STEP 4
INSERT CABLE INTO BODY
UNTIL CABLE BOTTOMS.
SLIDE FERRULE UP UNTIL
IT BOTTOM ON SHOULDER.
CRIMP USING .081 HEX
DIE (DANIELS Y1547P).



INTERFACE DESIGN STANDARD		 22 GREAT HILL ROAD, NAUGATUCK, CT. 06770 PHONE: (203) 729-9090 FAX: (203) 723-1794	REV	DESCRIPTION	DATE	APPR
IDS-22			D	PER ECN 5828	02/12/01	HN
PAGE 1 OF 2	DATE: 03/05/97		E	PER ECN 6802	11/07/02	HN
DRAWN: JEM	APPROVED: HN		F	PER ECN 7036	03/31/03	HN
		G	PER ECN 8609	08/02/06	JEM	

DESCRIPTION: SMA 22 SERIES (BRASS)

MECHANICAL

MATERIALS

BODIES, NUTS- BRASS 1/2 HD, PER ASTM-B-16, ALLOY 36000.
INSULATORS - TEFLON (PTFE) PER ASTM-D-1457.
CONTACTS, MALE AND FEMALE- BERYLLIUM COPPER PER ASTM-B-196.
GASKETS - SILICONE RUBBER PER ZZ-R-765.

FINISHES (ADD LETTER TO END OF PART NUMBER)

CONTACTS - .00005 GOLD OVER .00005 NICKEL PER MIL-G-45204
TO MEET THE ENVIRONMENTAL REQUIREMENTS OF MIL-C-39012.
OTHER METAL PARTS - .000020 GOLD PLATED
TO MEET THE ENVIRONMENTAL REQUIREMENTS OF MIL-C-39012.

MATING CHARACTERISTICS

CENTER CONTACT PIN AND SOCKET PER MIL-C-39012 (1 OZ. MIN) (2 LBS. MAX)
FORCE TO ENGAGE /DISENGAGE- 2 IN.-LBS. MAX. TORQUE.
COUPLING NUT RETENTION - 60 LBS. MIN.
CONNECTOR DURABILITY - 100 CYCLES PER MIL-PRF-39012.

	WALL THICKNESS OF BODY	
	THICK	THIN
COUPLING PROOF TORQUE, IN.-LBS	15 MIN.	7-10
RECOMMENDED TORQUE, IN.-LBS.	7-10	5-6.5

ELECTRICALS

IMPEDANCE: 50 OHMS.
FREQUENCY RANGE: DC TO 18 GHz.
INSULATION RESISTANCE: 5000 MEGOHMS.
TEMPERATURE RATING: -65°C TO +165°C

	<u>RG 402 (141)</u> <u>SEMI-RIGID</u>	<u>RG 405 (085)</u> <u>SEMI-RIGID</u>
DWV -	1,500 VOLTS RMS.	1,000 VOLTS RMS.
RF HIGH POTENTIAL -	1,000 VOLTS RMS.	670 VOLTS RMS.
CONTACT RESISTANCE -		
CENTER CONTACT:	2.0 MILLIOHMS MAX.	2.0 MILLIOHMS MAX.
OUTER CONTACT:	2.0 MILLIOHMS MAX.	2.0 MILLIOHMS MAX.
OUTER CONTACT TO CABLE:	0.5 MILLIOHMS MAX.	0.5 MILLIOHMS MAX.
VSWR -		
DC - 18.0 GHz:	1.05 + .005F (GHz)	1.05 + .005F (GHz)
CORONA LEVEL -	375 VOLTS MIN.	335 VOLTS MIN.
R.F. LEAKAGE -	-90 dB MIN.	-90 dB MIN.
INSERTION LOSS -	.03 x √F (GHz)	.03 x √F (GHz)

ENVIRONMENTAL

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.
CORROSION: MIL-STD-202, METHOD 101, TEST CONDITION B, 5% SALT SOLUTION.
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106, OMIT STEP 7B.

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