

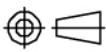
REV.	DESCRIPTION	DATE	APPR.
A	PER ECN 11570	02/07/13	JEM

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	CHECKED	ENGINEER
JEM	JEM	JEM
		DESCRIPTION SMA
DATE		DRAWING NO.
11/15/12		22-1965-03

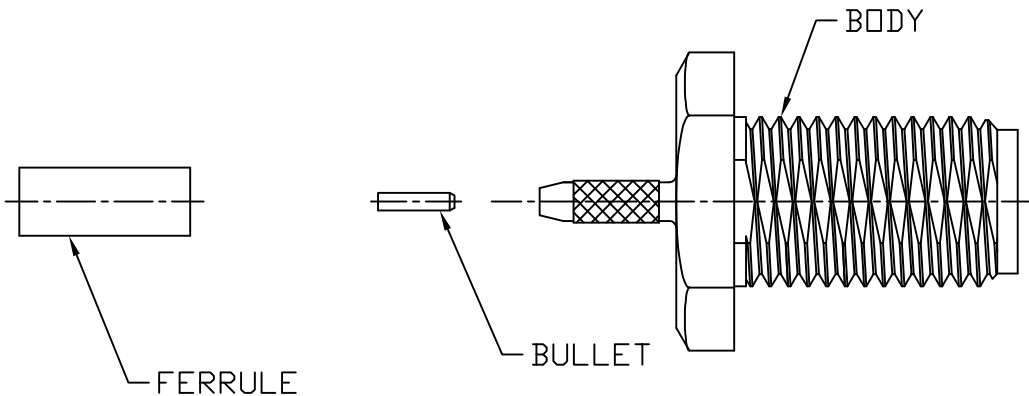
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CABLE ASSEMBLY PROCEDURE	
P/N	22-1965-0398
PAGE 1 OF 1	DATE: 11/15/12
DRAWN: JEM	APPROVED: JEM
FOR USE WITH HIROSE 1.32mm CABLE	

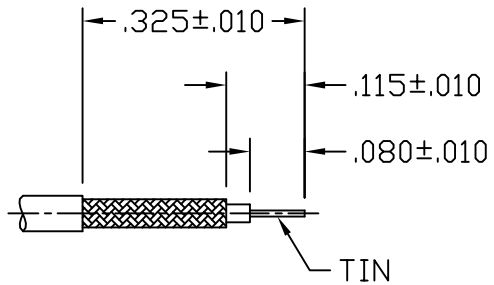
PALEO
CONNECTOR

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

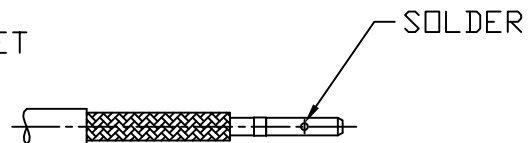
REV	DESCRIPTION	DATE	APPR
01	PRELIMINARY	11/15/12	JEM
A	PER ECN 11570	02/07/13	JEM



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



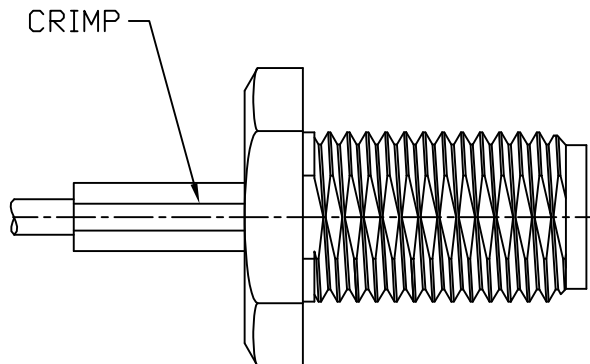
STEP 2
SLIDE BULLET ONTO CENTER CONDUCTOR. SOLDER BULLET TO CENTER CONDUCTOR. CLEAN SOLDER JOINT.



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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