


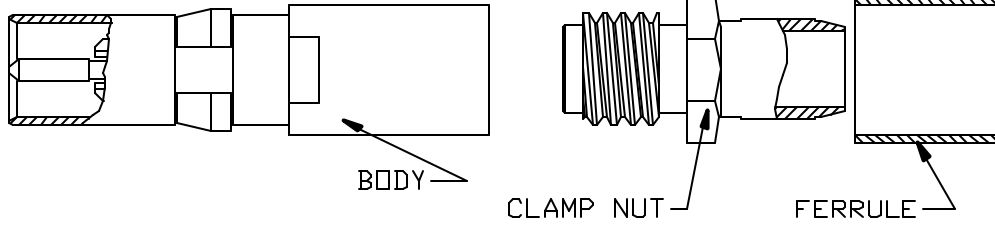
Notes:

26-1080-1201B

- 1) Design and Interface per IDS 26.
- 2) Ferrule and Crimp Nut Supplied Loose.
- 3) Crimp Using .213 Hex Die (M22520/5-05).
- 4) Blindmate RF/Microwave Contact for Standard Density Multiport RF D-Subminiature Connectors.
- 5) Size 8 PkZ®, 50 Ohm, 32 GHz Straight Receptacle.
- 6) Crimp/Clamp to RG-55, RG-142, and RG-223 Cables.
- 7) .000030" Min. Gold Over Nickel.

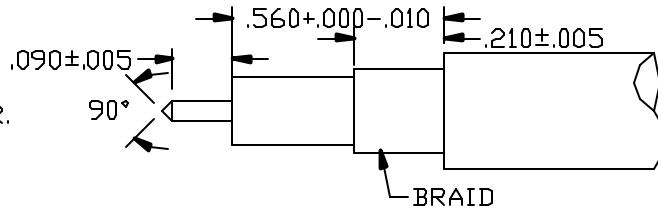
| | | | | | | | | | |
|------|---------------|----------|-------|---|-------------|---|---------------------------------|----------------|---------------|
| L | PER ECN 10295 | 04/21/10 | JEM | PALCO CONNECTOR 22 GREAT HILL RD., NAUGATUCK, CT 06770 UNLESS OTHERWISE SPECIFIED, PALCO WORKMANSHIP STANDARDS APPLY TOLERANCES ON: DECIMALS: XX ± .01 .XXX ± .005 ANGLES ±1/2° 32' DIMENSIONS IN INCHES OR (METRIC) DO NOT SCALE PRINTS | DRAWN MY | CHECKED HN | ENGINEER YT | APPROVED HN | FSCM 58167 |
| K | PER ECN 9699 | 12/09/08 | JEM | | | DESCRIPTION PKZ, RECEPTACLE, CRIMP/CLAMP TYPE | | | |
| J | PER ECN 5724 | 12/22/00 | HN | | | DATE 11/23/88 | DRAWING NO. 26-1080-1201A, B | PLATING OPT. | |
| I | PER ECN 4307 | 01/19/98 | HN | | | | | | |
| H | PER ECN 2893 | 05/02/95 | HN | | | | | | |
| REV. | DESCRIPTION | DATE | APPR. | CATALOG ITEM | | | | | |

| | | | | | | |
|---------------------------|----------------|---|-----|-----------------------|----------|---------------------|
| CABLE ASSEMBLY PROCEDURE | |  | REV | DESCRIPTION | DATE | APPR |
| P/N | 26-1080-1201 | | L | PER ECN 10295 | 04/23/10 | MS |
| PAGE 1 OF 1 | DATE: 04/23/10 | | | | | |
| DRAWN: JEM | APPROVED: MS | | | | | |
| FOR USE WITH RG 142 CABLE | | 22 GREAT HILL ROAD, NAUGATUCK, CT. 06770 | | PHONE: (203) 729-9090 | | FAX: (203) 723-1794 |



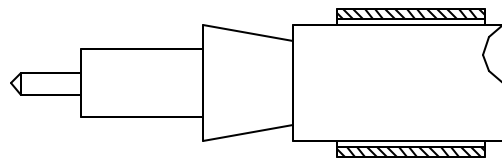
STEP 1

STRIP CABLE TO DIMENSIONS SHOWN. POINT CENTER CONDUCTOR.



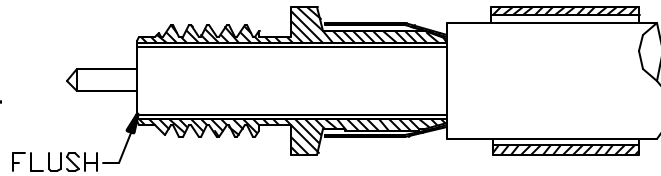
STEP 2

SLIDE FERRULE OVER CABLE. FLARE BRAID BY ROTATING DIELECTRIC.



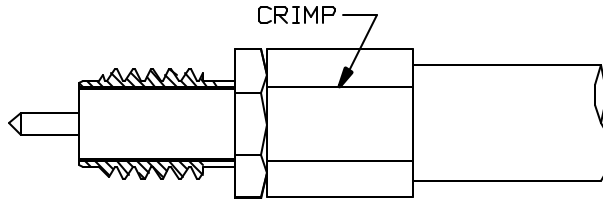
STEP 3

INSERT THE BARREL OF THE CRIMP NUT BETWEEN THE CABLE BRAID AND DIELECTRIC. POSITION SO THE END OF THE CABLE DIELECTRIC IS FLUSH WITH THE END OF CRIMP NUT.



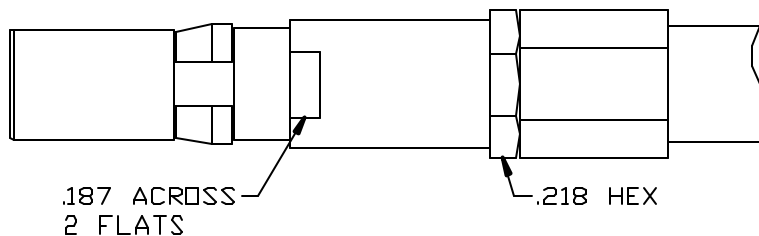
STEP 4

SLIDE FERRULE AGAINST SHOULDER AND CRIMP USING .213 HEX DIE (M2520/5-05)



STEP 6

THREAD CONNECTOR BODY ONTO CRIMP NUT ASSEMBLY. TIGHTEN TO 7- 10 IN-LBS.



| | |
|---------------------------|----------------|
| INTERFACE DESIGN STANDARD | |
| IDS-26 | |
| PAGE 1 OF 1 | DATE: 02/28/94 |
| DRAWN: JEM | APPROVED: HN |

PALEO
CONNECTOR

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

| REV | DESCRIPTION | DATE | APPR |
|-----|---------------|----------|------|
| D | PER ECN 6752 | 10/24/02 | HN |
| E | PER ECN 7265 | 01/27/04 | HN |
| F | PER ECN 9935 | 05/22/09 | JEM |
| G | PER ECN 10145 | 01/20/10 | JEM |

DESCRIPTION: 26 SERIES PkZ®, SIZE 8 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. WITHDRAWAL.
CENTER CONTACTS _____ 32 OZ. MAX. INSERTION.
.5 OZ. MIN. WITHDRAWAL.
HOUSING RETENTION _____ 12 LBS. MIN.
AXIAL MATING TOLERANCE _____ .090

ELECTRICALS

FREQUENCY RANGE: DC TO 32 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 CABLE.
1.15 + .02 (f) GHz., RG-174 & RG-316 CABLES.
1.15 + .01 (f) GHz., RG-142, 223, 303 & 400 CABLES.

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: MIL-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.

