

"SNAP-LOK"™ FEATURES AND CUSTOMER BENEFITS

- Simple Coupling design eliminates the need for tools and saves assembly time.
- Positive locking mechanism provides its own fail-safe features.
- Inspection of the mated connector is fast, simple and effective.
- Push-Pull design allows higher panel density.
- Quick-connect and disconnect features.

"SNAP-LOK"™ TECHNICAL AND PERFORMANCE DATA

Performance

ELECTRICAL

Impedance: Designed to be compatible with 50 ohm coaxial cables. Microdot part number 250-4063-000 (Dual Shield RG 196). Consult factory for other types.

Dielectric withstanding voltage: 450V RMS at sea level. (Operating)

Contact Resistance: Maximum — 8.0 milliohms at 3 Amps
Average Resistance — 4 milliohms
Insulation Resistance: 10⁴ megohms minimum

Voltage Standing Wave Ratio (VSWR): 3.4 Maximum — 1.3 Minimum to 12 GHz.

ENVIRONMENTAL

Temperature Range: -65°C to 125°C.

Vibration: No change in electrical discontinuity in excess of 1 microsecond. Test per MIL-STD-202, Method 204. Test Condition D

Shock: No electrical discontinuity or evidence of physical damage. Test per MIL-STD-202, Method 213A. Test Condition C.

MECHANICAL

Cable Acceptance Dimensions: Center Conductor .012"
Dielectric .040" Dia. Max.
Shield .080" Dia. Max.
Jacket .090" Dia Max

Air-Crimp Assembly: Center contacts and shield are crimped individually

Durability: 500 mating cycles.

MATERIALS

Body and Body Components: Brass per QQ-B-626 Comp 360

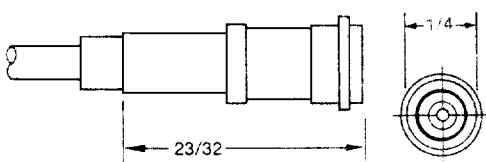
Contact Material: Copper Alloy

Crimp Sleeves: Leaded Copper

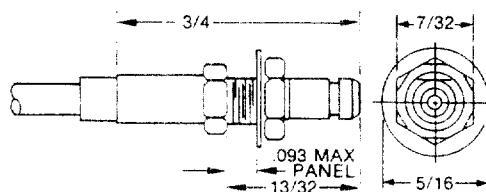
Insulators: Teflon per L-P-403

Lock Washers: To 425 Bronze Alloy

Plating: Gold plate per MIL-G-45204, Type II, Class I, Grade C.

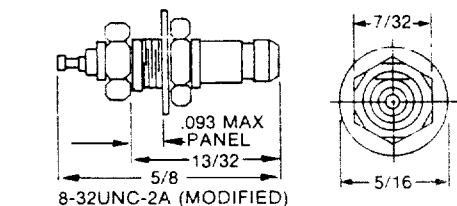
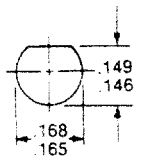


STRAIGHT PLUG 144-0001-0001

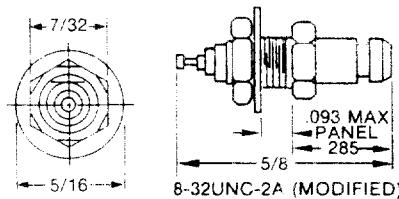


BULKHEAD JACK, REAR MOUNT 145-0001-0001

"D" HOLE DIMENSIONS FOR PANEL MOUNTING



RECEPTACLE, REAR MOUNT 145-0003-0001



RECEPTACLE, FRONT MOUNT 145-0002-0001

CONNECTOR/CABLE ASSEMBLY CRIMP TOOLS CENTER CONTACT AND SHIELD

| TOOL | PART NUMBER |
|-----------------|---------------|
| SKT & Pin Crimp | 010-1004-0000 |
| Housing Crimp | 010-0081-0000 |

SNAP-LOK LEPR/CON
144-0001-0001 PLUG 145-0001-0001 JACK

ASSEMBLY INSTRUCTIONS

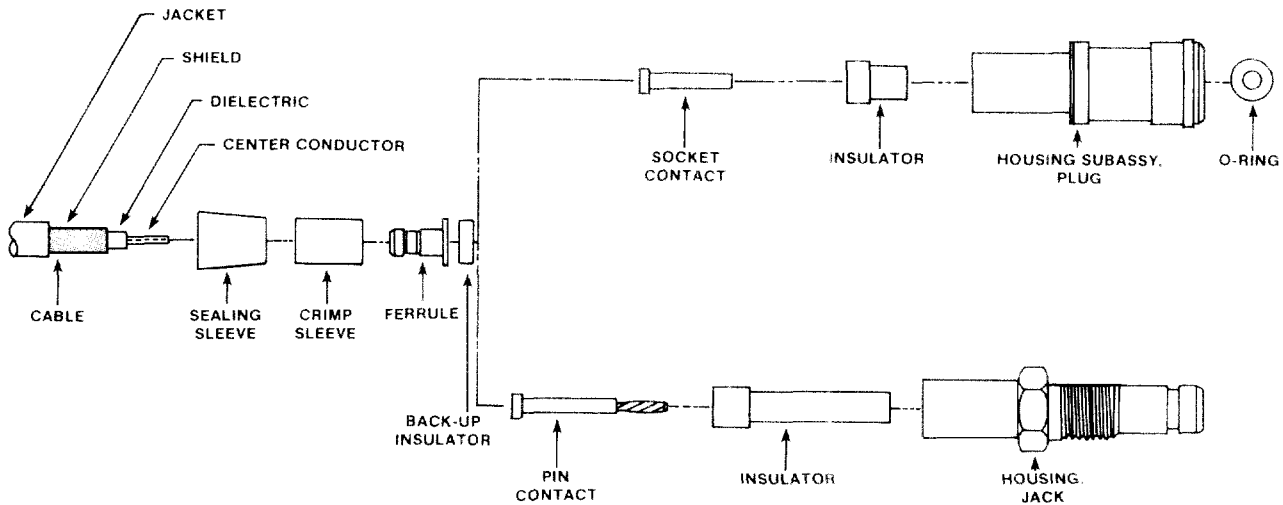
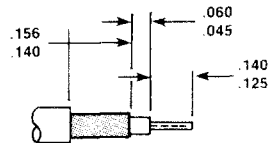


FIG. 1



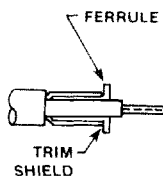
STEP 1

Slide sealing sleeve and crimp sleeve over cable in respective order.

STEP 2

Strip cable to dimensions shown in Fig. 1
 Caution: Do not nick center conductor or shield

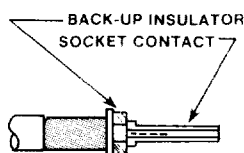
FIG. 2



STEP 3

Slide ferrule between shield and dielectric as shown in Fig. 2. Trim off excess shield material.

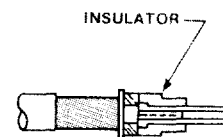
FIG. 3



STEP 4

Assemble back-up insulator and contact in position and crimp contact to center conductor using tool number 010-3009-0000 and positioner number 001-0169-0002. Normal positioner setting: 2 or alternate tool 010-1004-0000 (No locator required.)

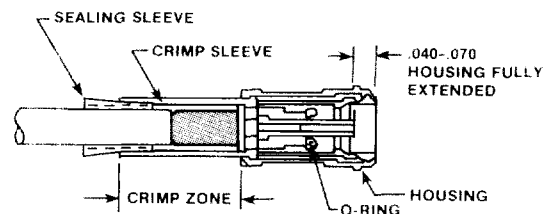
FIG. 4



STEP 5

Assemble insulator into position as shown in Fig. 4.

FIG. 5



STEP 6

Slide crimp sleeve forward over shield as shown in Fig. 5.

STEP 7

Slide sealing sleeve forward over cable to crimp sleeve as shown in Fig. 5.

STEP 8

Slide assembled components into housing as shown in Fig. 5.

STEP 9

Crimp rear of housing with tool number 010-0081-0000 or Thomas & Betts tool number WT 400.

STEP 10

Inspect crimp and dimension in Fig. 5. (Plug shown). For jack, pin recess from tip of insulator should be .010-.040.

STEP 11

Slide O-ring onto socket contact as shown. This completes assembly.