

Electronics

LEPRA/CON Ultra-Miniature Connectors — Snap-Lock Series

Product Facts

- 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



Performance Data Summary
For Snap-Lock Connectors

Electrical

Impedance — Designed to be compatible with 50 Ohm coaxial cables (Dual Shield RG 196).
Dielectric Withstanding Voltage — 450 volts RMS at sea level (Operating).
Contact Resistance — 8 milliohms max. at 3 amps. Average resistance: 4 milliohms
Insulation Resistance — 10⁴ megohms min.
Voltage Standing Wave Ratio (VSWR) — 3.4 max., 1.3 min. to 12 GHz.

Environmental

Temperature Range — -85°F to +257°F [-65°C to +125°C].
Vibration — MIL-STD-202, Method 204, Test condition D. No change in electrical discontinuity in excess of 1 microsecond.
Shock — MIL-STD-202, Method 213A, Test Condition C. No electrical discontinuity or evidence of physical damage.

Mechanical

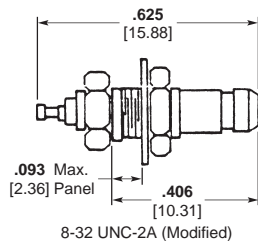
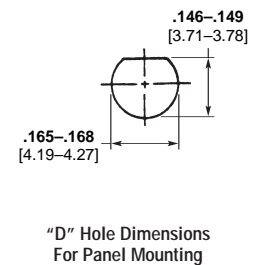
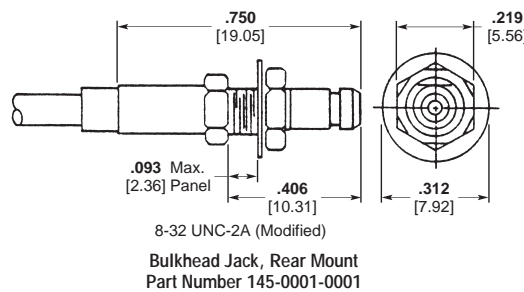
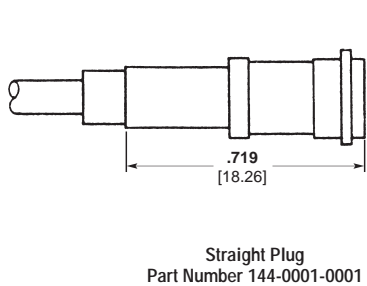
Cable Acceptance Dimensions — Center conductor: .012 [0.31] nom. Dielectric: .040 [1.02] max. Shield: .080 [2.03] max. Jacket: .090 [2.29] max..

All-Crimp Assembly —

Center contacts and shield are crimped individually.
Durability — 500 mating cycles.

Materials

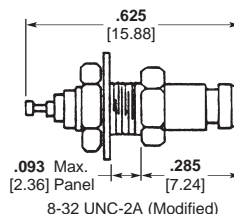
Body and Body Components — Brass per QQ-B-626 Comp 360.
Contact Material — Copper Alloy.
Crimp Sleeves — Leaded Copper.
Insulators — TEFLON per ASTM-D-1710.
Lockwashers — #425 Bronze Alloy.
Plating — Gold per MIL-G-45204, Type II, Grade C, Class 1.



Receptacle, Rear Mount
Part Number 145-0003-0001



Receptacle, Front Mount
Part Number 145-0002-0001



Connector/Cable Assembly Crimp Tools — Center Contact and Shield

| Tool | Part No. |
|-----------------|---------------|
| SKT & Pin Crimp | 010-1004-0000 |
| Housing Crimp | 010-0081-0000 |