

CSCB Series



High Voltage Single Conductor Shielded Bayonet Connectors

Features:

- Corona Free Tapered Interface
- Operating Voltage
20 KVDC or 6.6 KV RMS
- Temperature Range
-55°C to +125°C
- Sea Level to 70,000 ft. Operation
- Space Saving Design
- Reliable Performance
- Vibration and Shock Resistant
- Hermetically Sealed
Panel Mounted Receptacle

Typical Applications

- Electronic Countermeasures
- Radar
- CRT Displays
- Traveling Wave Tubes
- Lasers
- High Voltage Power Supplies
- Medical Applications
- Head-up Displays
- Scientific Instruments

Connectronics
Corp. Interconnection Specialists
a **HEICO** company



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DESCRIPTION:

THE CONNECTRONICS CSCB SINGLE CONDUCTOR, SHIELDED, HIGH VOLTAGE, BAYONET COUPLING CONNECTOR SERIES OFFERS MAXIMUM HIGH VOLTAGE OPERATION IN A VERY SMALL SHIELDED DESIGN. THE TAPERED INTERFACE INSURES CORONA FREE OPERATION IN EXTREME ENVIRONMENT CONDITIONS, WHILE THE SPRING LOADED BAYONET COUPLING NUT PROVIDES A QUICK, QUARTER TURN "POSITIVE LOCK" MATING RETENTION SYSTEM. THE CSCB SERIES IS EXCELLENT FOR USE WHERE SIZE IS CRITICAL.

TECHNICAL DATA:

ELECTRICAL:

VOLTAGE : 20 KVDC OR 6.6 KV RMS
MAXIMUM CURRENT : 5.0 AMPS

ENVIRONMENTAL:

ALTITUDE : SEA LEVEL TO 70,000 FT.
TEMPERATURE : -55°C TO +125°C
STORAGE TEMPERATURE : -60°C TO +160°C

TEST CONDITIONS:

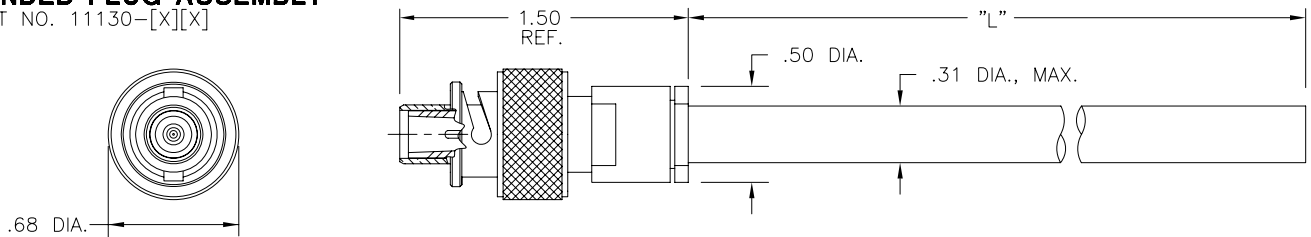
DIELECTRIC WITHSTANDING VOLTAGE : 30 KVDC AT 70,000 FT. ALTITUDE.
RECEPTACLES ARE HELIUM LEAK TESTED (100%) TO 1×10^{-7} cc/He/sec AT ONE ATMOSPHERE DIFFERENTIAL PRESSURE.

MATERIALS AND FINISHES:

SHELLS, COUPLING NUT & RELATED HARDWARE: HALF HARD BRASS PER QQ-B-626, ELECTROLESS NICKEL PLATED PER MIL-C-26074
RECEPTACLE INSULATOR: GLASS FILLED EPOXY PER MIL-M-14.
PLUG INSULATOR: SILICONE RUBBER PER ZZ-R-765.
RECEPTACLE O-RING(S): VITON.
SOCKET CONTACT: (SIZE 20) BERYLLIUM COPPER PER QQ-C-530, GOLD PLATED PER MIL-G-45204.
PIN CONTACTS: (SIZE 20) HALF HARD BRASS PER QQ-B-626, GOLD PLATED PER MIL-G-45204.
CABLE: #22 AWG SPC STRANDED CONDUCTOR, WITH A SEMICONDUCTIVE LAYER FOLLOWED BY A PRIMARY SILICONE RUBBER INSULATION, AND AN ADDITIONAL SEMICONDUCTIVE LAYER BENEATH AN SPC BRAIDED SHIELD AND A FINAL BLACK SILICONE RUBBER OUTER JACKET.

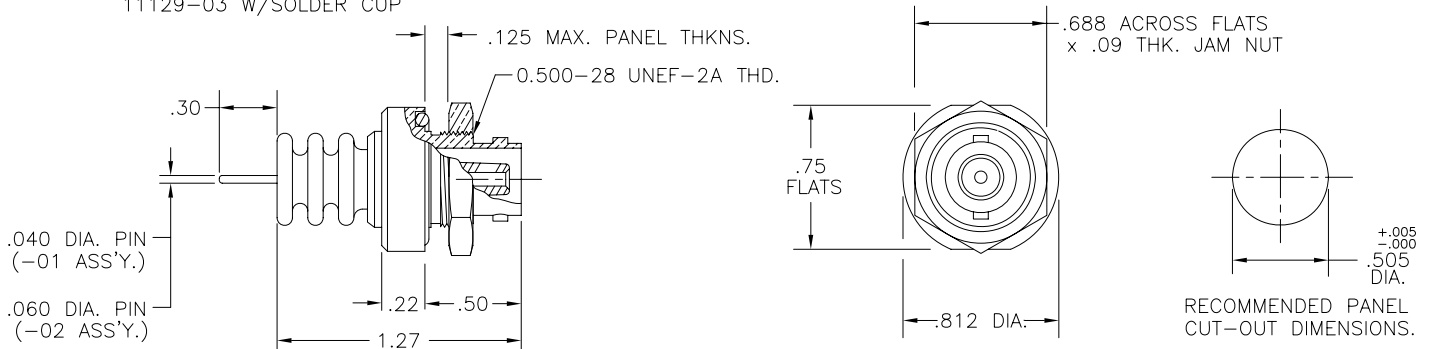
SINGLE ENDED PLUG ASSEMBLY

BASE PART NO. 11130-[X][X]



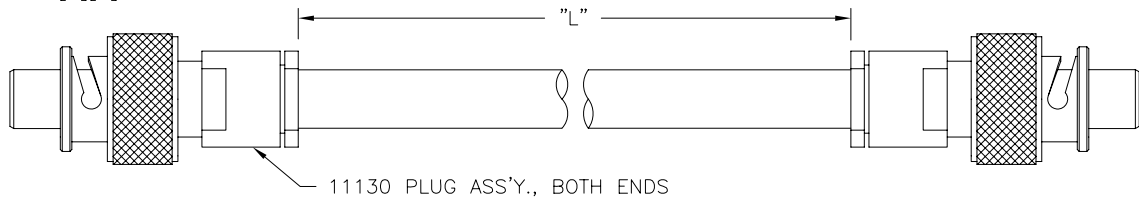
JAM NUT MOUNT RECEPTACLE ASSEMBLY

PART NO. 11129-[X][X]
11129-03 W/SOLDER CUP



DOUBLE ENDED PLUG ASSEMBLY

BASE PART NO. 11442-[X][X]



ORDERING INFORMATION:

PLUG ASSEMBLIES CAN BE MANUFACTURED TO SPECIFIC NEEDS WITH VARIOUS CABLE LENGTHS ("L"). A VARIETY OF DIFFERENT SHIELD TERMINATION HARDWARE CONFIGURATIONS FOR THE SINGLE ENDED PLUG ASSEMBLY ARE AVAILABLE. RECEPTACLE ASSEMBLIES CAN BE ORDERED AS KITS OR TERMINATED WITH WIRE. CONSULT FACTORY FOR ADDITIONAL INFORMATION.

CONNECTRONICS HAS A WIDE RANGE OF EXTRUDED SILICONE RUBBER INSULATED AND SILICONE COATED TEFLON INSULATED WIRE DESIGNED FOR USE WITH ALL CONNECTOR ASSEMBLIES LISTED. PLEASE CONSULT FACTORY FOR ADDITIONAL INFORMATION.

CONNECTRONICS IS THE LEADER IN CORONA FREE HIGH VOLTAGE INTERCONNECTION SYSTEMS.

VISIT CONNECTRONICS ON THE INTERNET @ www.connectronicscorp.com

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