

— HY-KON SERIES



— MIL-C-38999 High Voltage Contact Alternative

— Features:

- Corona Free Interface
- Operating Voltage: 13.5 KVDC
- Temperature Range: -55°C to $+125^{\circ}\text{C}$
- Sea Level to 70,000 ft. Operation
- Shock and Vibration Proof Operation
- Field or Factory Assembled into #12 Gauge Contact Positions for MIL-C-38999 Series I, III, IV Connectors.

Connectronics
Corp. Interconnection Specialists

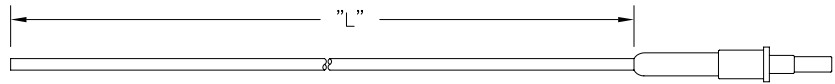


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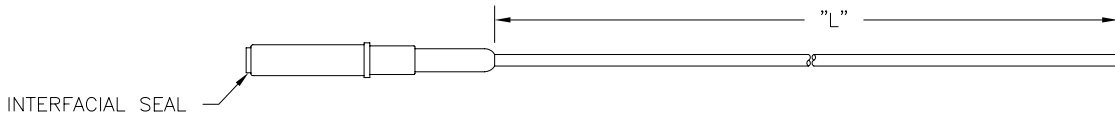
HY-KON PLUG ASSEMBLY (REPLACES MIL-C-39029/58-365, SIZE 12 PIN CONTACT)

BASE PART NO. 10871-XX



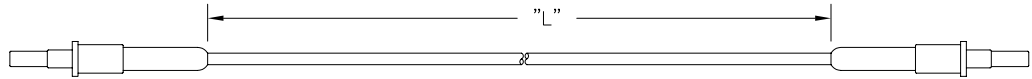
HY-KON RECEPTACLE ASSEMBLY (REPLACES MIL-C-39029/58-353, SIZE 12 SOCKET CONTACT)

BASE PART NO. 10872-XX



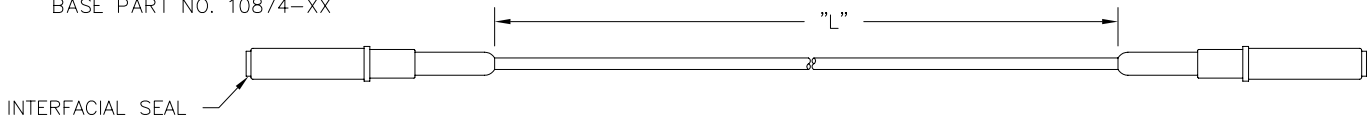
DOUBLE-ENDED HY-KON PLUG ASSEMBLY

BASE PART NO. 10873-XX



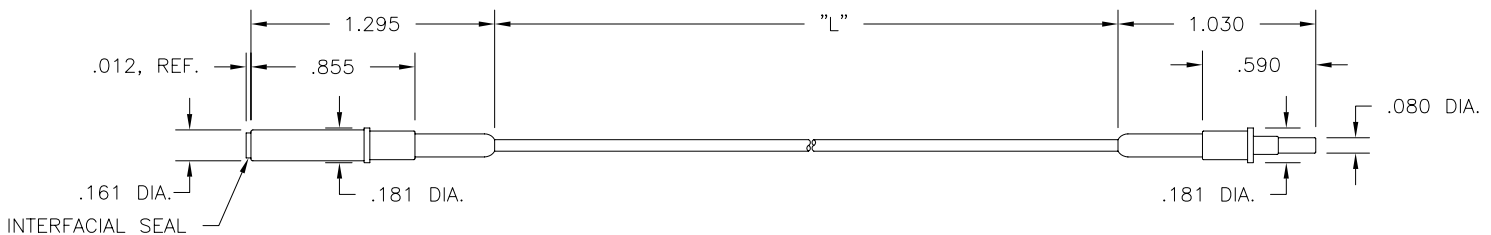
DOUBLE-ENDED HY-KON RECEPTACLE ASSEMBLY

BASE PART NO. 10874-XX



DOUBLE-ENDED HY-KON RECEPTACLE/PLUG ASSEMBLY

BASE PART NO. 10875-XX



DESCRIPTION:

CONNECTRONICS' LINE OF HY-KON HIGH VOLTAGE MINIATURE CONNECTORS ARE INDIVIDUAL INSERTABLE/REMOVABLE CONNECTOR REPLACEMENTS FOR SIZE 12 PIN AND SOCKET CONTACTS USED IN MIL-C-38999, SERIES I, III & IV CONNECTORS, THAT UTILIZE A REAR RELEASE CONTACT RETENTION CAVITY. WHEN ASSEMBLED INTO A 12 GAUGE CONTACT CAVITY WITHIN THE DESIGNATED L.V. CONNECTOR IT IS THEN CAPABLE OF CARRYING DC VOLTAGES OF UP TO 13.5 KV FOR AIRBORNE APPLICATIONS UP TO 70,000 FEET ALTITUDE AND OVER A TEMPERATURE RANGE OF -55°C TO +125°C.

TECHNICAL DATA:

ELECTRICAL:

VOLTAGE : 13.5 KVDC

MAXIMUM CURRENT : 4.5 AMPS

ENVIRONMENTAL:

ALTITUDE : SEA LEVEL TO 70,000 FT.

TEMPERATURE : -55°C TO +125°C

MATERIALS AND FINISHES:

PLUG AND RECEPTACLE BODY: THERMOPLASTIC, COLOR BLACK.
MOLDED STRAIN RELIEF AND INTERFACIAL SEAL: SILICONE RUBBER PER ZZ-R-765.
SOCKET CONTACT: BERYLLIUM COPPER PER QQ-C-530, GOLD PLATED PER MIL-G-45204.
PIN CONTACT: HALF HARD BRASS PER CDA-360, GOLD PLATED PER MIL-G-45204
WIRE: #24 AWG (19/36) SPC, SILICONE COATED FEP INSULATED WIRE
#24 AWG (19/36) SPC, FEP INSULATED WIRE
#22 AWG (19/34) SPC, FEP INSULATED WIRE

ORDERING INFORMATION

HY-KONS CAN BE ORDERED AS A SINGLE ENDED PLUG (PIN), SINGLE ENDED RECEPTACLE (SOCKET) OR AS DOUBLE ENDED PLUGS, DOUBLE ENDED RECEPTACLES OR DOUBLE ENDED PLUG/RECEPTACLE. -XX IN PART NUMBER WILL BE REPLACED BY A DASH NUMBER CORRESPONDING TO LENGTH OF WIRE. CONSULT FACTORY FOR REQUIRED INFORMATION.
HY-KON ASSEMBLIES MAY ALSO BE ORDERED AS COMPLETELY ASSEMBLED CABLE ASSEMBLIES UTILIZING 38999 CONNECTORS TO MEET YOUR SPECIFICATIONS. CONSULT FACTORY FOR ADDITIONAL INFORMATION.
SIZE 22 CONTACTS WITHIN THE TERMINATED CONNECTORS WILL ACCOMMODATE #22 AWG TEFLON OR #24 AWG TEFLON OR SILICONE COATED TEFLON INSULATED WIRE. CONSULT FACTORY FOR ADDITIONAL INFORMATION.
FOR INSTALLATION/REMOVAL PROCEDURE REQUEST CEP-159 FROM CONNECTRONICS CORP.

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