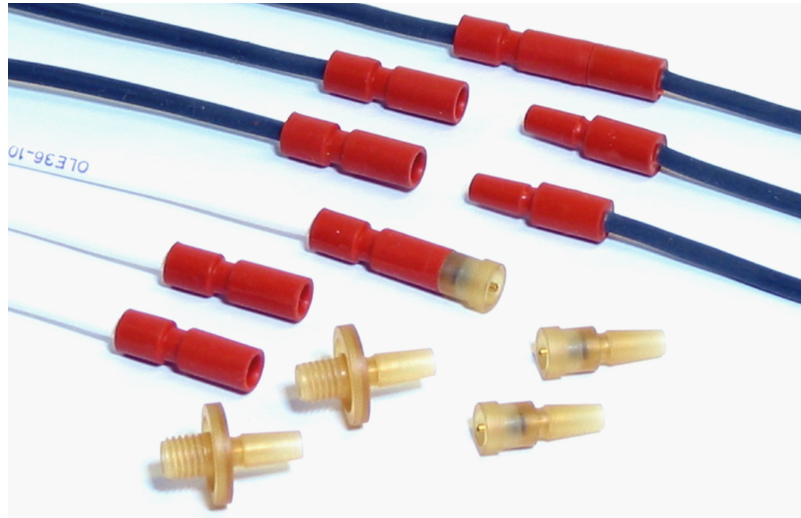


Midgi Series

Patent Pending



High Voltage Miniature Connectors

Features:

- Corona Free Tapered Interface
- 12 KVDC Operating Voltage
- Temperature Range: -55°C to $+125^{\circ}\text{C}$
- Sea Level to 70,000 ft. Operation
- Space Saving
- Fast Connect/Disconnect
- Positive Mating
- Reliable Performance
- Vibration and Shock Resistant
- Radiation Resistant

Typical Applications:

- Electronic Countermeasures
- Radar
- CRT Displays
- Traveling Wave Tubes
- Lasers
- High Voltage Power Supplies
- Medical Applications
- Heads-up Displays
- High Voltage Lighting

Connectronics
Corp. Interconnection Specialists



Corporate Office
& Manufacturing Facilities:
2745 Avondale • P.O. Box 3355
Toledo, Ohio 43607

Phone: 419-537-0020
Fax: 419-537-0007
E-mail: info@connectronicscorp.com
Visit Us On Our Web Site @
www.connectronicscorp.com

DESCRIPTION:

CONNECTRONICS "MIDGI" SERIES CONNECTORS OFFER THE SMALLEST, MOST RELIABLE PERFORMANCE HIGH VOLTAGE, CORONA FREE INTERCONNECTION AVAILABLE TODAY. IT'S UNIQUE AIR EXCLUDING, LOCKING INTERFACIAL SEAL AND ONE PIECE MOLDED CONSTRUCTION INSURES THE HIGHEST QUALITY OF OPERATION, MAXIMUM MATING RETENTION AND LOWEST COST.

TECHNICAL DATA:

ELECTRICAL:

VOLTAGE : 12 KVDC
MAXIMUM CURRENT : 3.0 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 - 16 KVDC AT 70,000 FT. ALTITUDE.

MATERIALS AND FINISHES:

IN-LINE PLUG AND RECEPTACLE ASSEMBLIES.

WIRE: #22 AWG WITH SILICONE RUBBER OR SILICONE COATED F.E.P. INSULATION. (AVAILABLE IN COLORS - CONSULT FACTORY)

MOLDED PLUG BODY: SILICONE RUBBER.

SOCKET CONTACT: MEETS APPLICABLE PORTIONS OF MIL-C-39029.

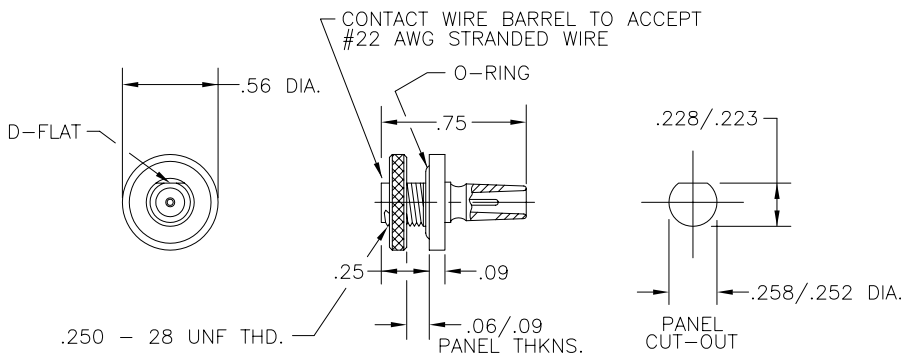
RECEPTACLE ASSEMBLY:

PIN CONTACTS - HALF HARD BRASS PER QQ-B-626, GOLD PLATED PER MIL-G-45204.

RECEPTACLE BODY - POLYETHERIMIDE RESIN, OR GLASS FILLED EPOXY.

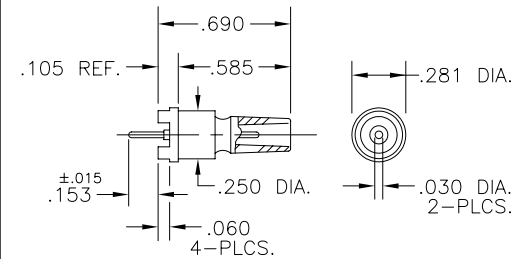
JAM NUT MOUNT RECEPTACLE ASSEMBLY

BASE PART NO. 10523-01



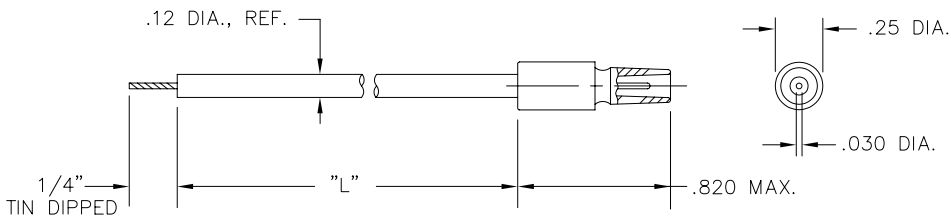
P.C. BOARD MT. RECEPTACLE ASSEMBLY

BASE PART NO. 10463-01



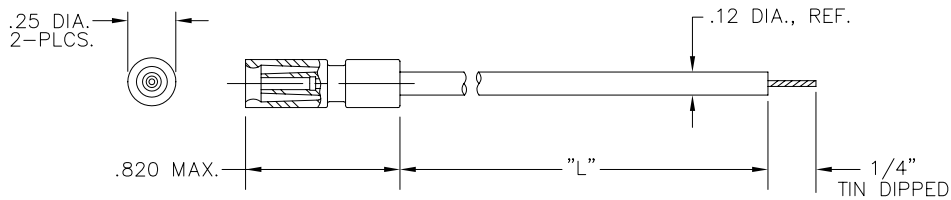
MOLDED IN-LINE RECEPTACLE

BASE PART NO. 10257-XX



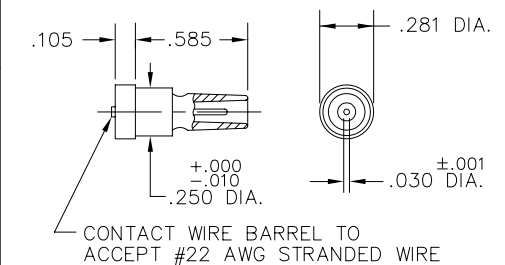
MOLDED IN-LINE PLUG

BASE PART NO. 10184-XX



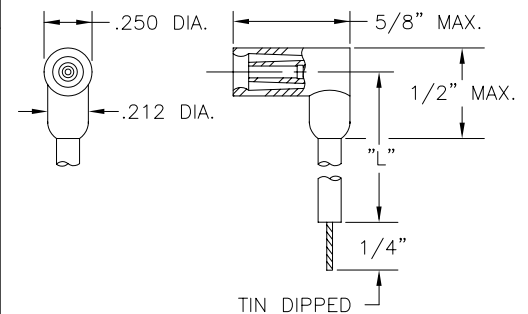
PANEL MT. RECEPTACLE ASSEMBLY

BASE PART NO. 10072-01



RIGHT ANGLE PLUG ASSEMBLY

BASE PART NO. 10185-XX



ORDERING INFORMATION:

ASSEMBLIES UTILIZING WIRE MAY BE PURCHASED IN ANY DESIRED COLOR OR LENGTH - CONSULT FACTORY FOR DASH NUMBERS PERTAINING TO SPECIFIC LENGTHS. REFER TO BASE PART NUMBERS LISTED WHEN INQUIRING ABOUT DASH NUMBERS. RECEPTACLE ASSEMBLIES CAN BE ORDERED AS KITS OR TERMINATED WITH WIRE TO MEET SPECIFIC REQUIREMENTS. GANGED RECEPTACLE ASSEMBLIES MAY BE PURCHASED IN ANY CONFIGURATION REQUIRED TO MEET YOUR SPECIFIC APPLICATION. CONSULT FACTORY FOR ADDITIONAL INFORMATION.

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

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