

# SCID Series



## Small "Connectronics" In-Line Disconnect

### Features:

- Corona Free Tapered Interface
- 15 KVDC Operating Voltage
- Temperature Range  
–55°C to +125°C
- Sea Level to 70,000 ft. Operation
- Field or Factory Assembled
- Quick Push/Pull Mate & Lock
- Vibration and Shock Resistant

### Typical Applications:

- Electronic Countermeasures
- Airborne Radar
- CRT Displays
- Traveling Wave Tubes
- Lasers
- High Voltage Power Supplies
- Medical/Bio-Medical
- Automotive Lighting

**Connectronics**  
**Corp.** Interconnection Specialists



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## DESCRIPTION:

THE CONNECTRONICS' SCID CONNECTOR SERIES PROVIDES MAXIMUM HIGH VOLTAGE CORONA FREE OPERATION IN A VERY SMALL SIZE. THE UNIQUE AIR EXCLUSION LOCKING INTERFACIAL SEAL AND ONE PIECE MOLDED DESIGN INSURES THE HIGHEST QUALITY OF OPERATION, MAXIMUM MATING RETENTION AND LOWEST COST.

## TECHNICAL DATA:

### ELECTRICAL:

VOLTAGE : 15 KVDC  
 MAXIMUM CURRENT : 7.5 AMPS

### ENVIRONMENTAL:

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

### MATERIALS AND FINISHES:

#### RECEPTACLE ASSEMBLY:

RECEPTACLE BODIES - GLASS FILLED EPOXY PER MIL-M-14, TYPE SDG-F.  
 \*POLYETHERIMIDE RESIN

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

SOLDER FLANGE - HALF HARD BRASS PER QQ-B-626, TIN PLATED PER MIL-T-10727.

#### PLUG ASSEMBLY:

MOLDED PLUG BODIES - SILICONE RUBBER PER ZZ-R-765.

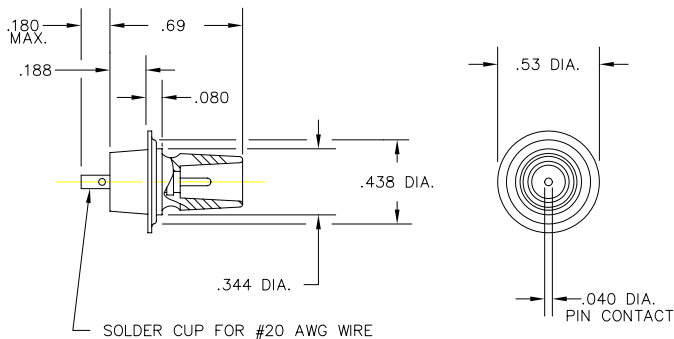
SOCKET CONTACTS - BERYLLIUM COPPER PER QQ-C-530, GOLD PLATED PER MIL-G-45204.

WIRE (STANDARD) - #20 AWG (19/32) SPC. SILICONE INSULATED, .166 DIA.

(OPTIONAL) - #22 AWG (19/34) HIGH STRENGTH STRANDED SILICONE INSULATED (.180 DIA.) WITH SEMI CONDUCTIVE LAYER OVER CONDUCTOR IS AVAILABLE ON ALL PLUG ASSEMBLIES. CONTACT CONNECTRONICS FOR ADDITIONAL INFORMATION.

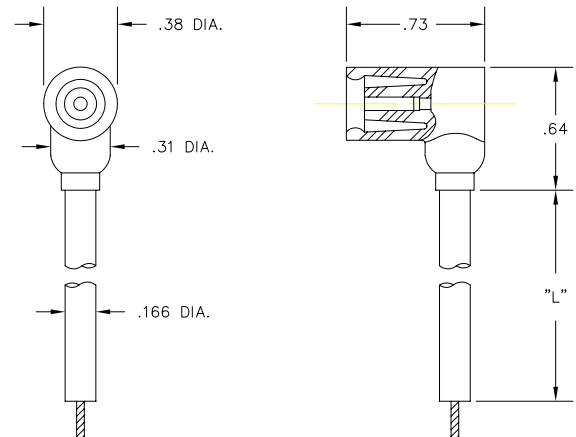
### SOLDER FLANGE RECEPTACLE ASSEMBLY

PART NO. 10047-01



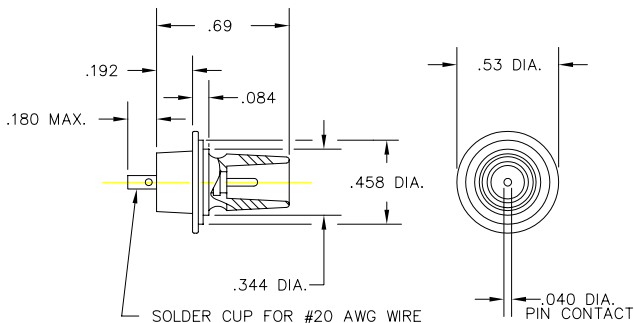
### RIGHT ANGLE PLUG ASSEMBLY

BASE PART NO. 10048-[X][X]



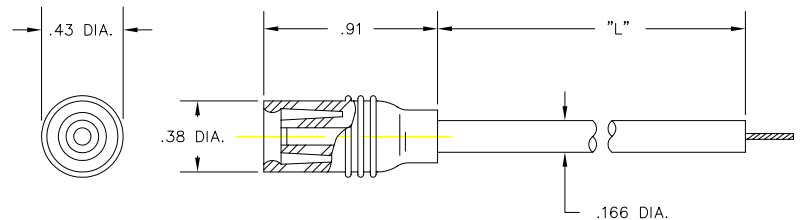
### PLASTIC FLANGE RECEPTACLE ASSEMBLY

PART NO. 10141-01



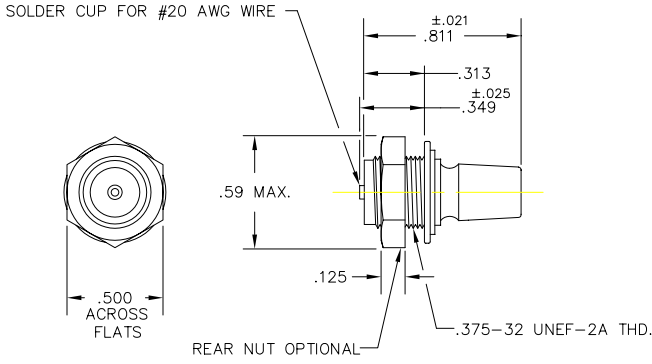
### STRAIGHT PLUG ASSEMBLY

BASE PART NO. 10130-[X][X]



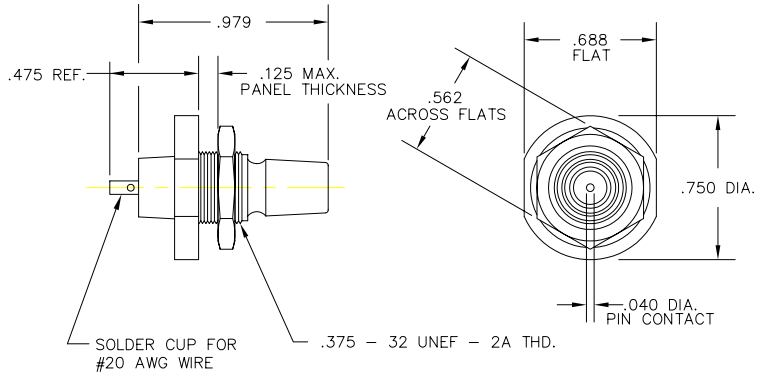
**THREADED, PLASTIC FLANGE RECEPTACLE ASSEMBLY**

PART NO. 10334-02  
10334-03 WITH REAR NUT



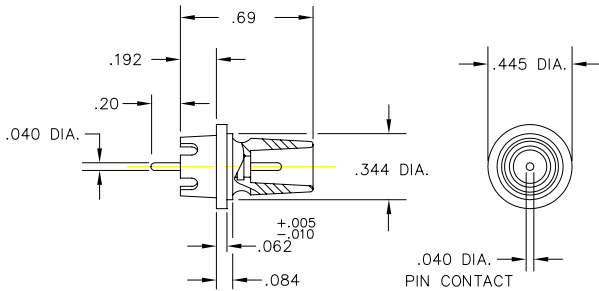
**JAM NUT MOUNT RECEPTACLE ASSEMBLY**

PART NO. 10198-01



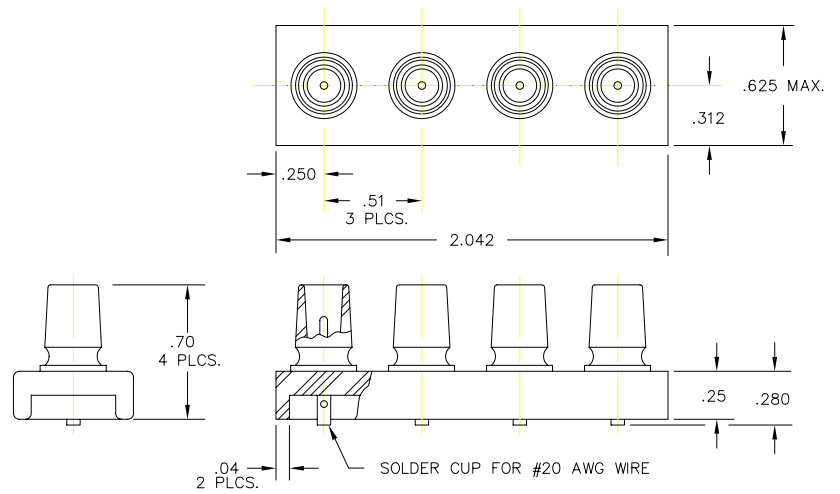
**P.C. BOARD MOUNT RECEPTACLE ASSEMBLY**

PART NO. 10582-01



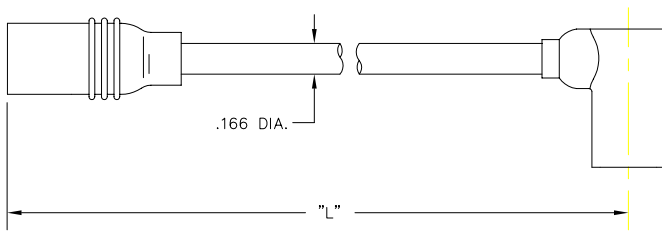
**4 POSITION RECEPTACLE ASSEMBLY**

PART NO. 10061-[X][X]



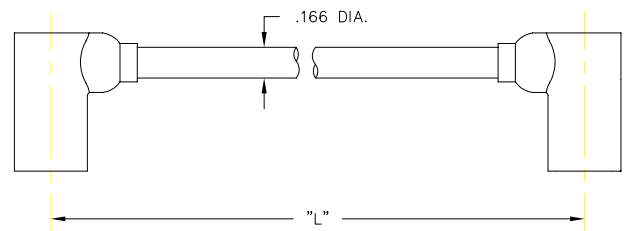
**DOUBLE ENDED PLUG ASSEMBLY**

BASE PART NO. 10076-[X][X]



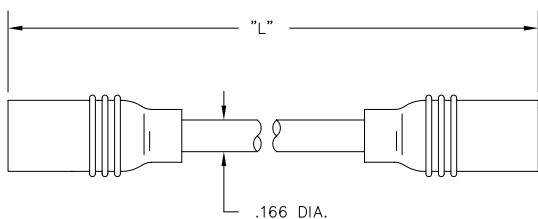
**DOUBLE ENDED PLUG ASSEMBLY**

BASE PART NO. 10075-[X][X]



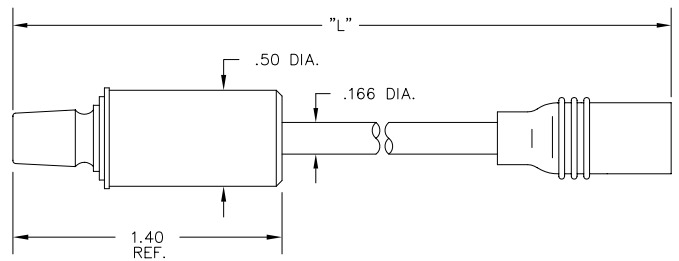
**DOUBLE ENDED PLUG ASSEMBLY**

BASE PART NO. 10491-[X][X]



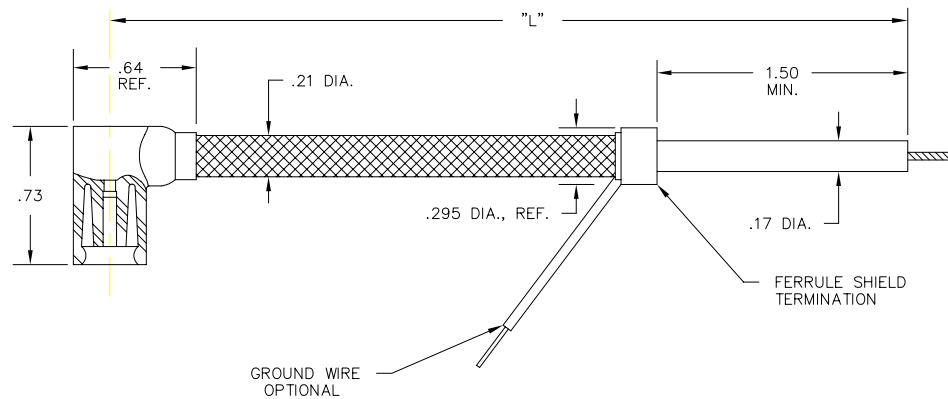
**DOUBLE ENDED RECEPTACLE & PLUG ASSEMBLY**

BASE PART NO. 10332-[X][X]



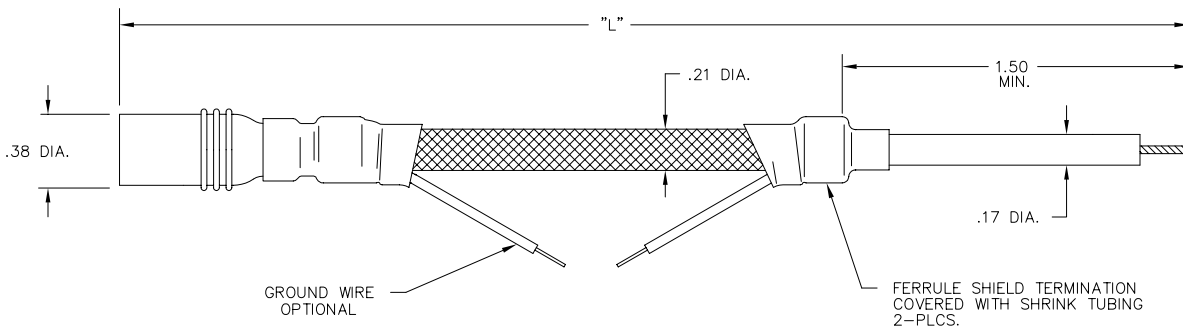
## RIGHT ANGLE SHIELDED PLUG ASSEMBLY

BASE PART NO. 10203-[X][X]



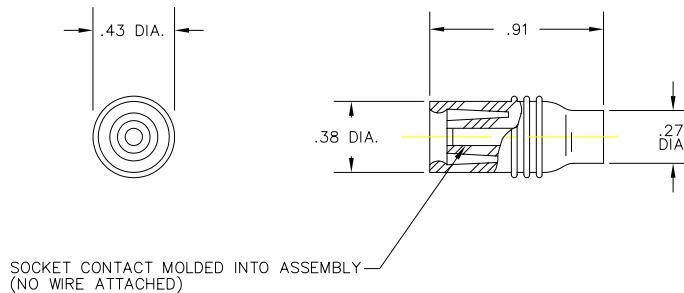
## STRAIGHT, SHIELDED PLUG ASSEMBLY

BASE PART NO. 10439-[X][X]



## MOLDED DUMMY PLUG ASSEMBLY

PART NO. 10473-01



## ORDERING INFORMATION:

RECEPTACLE ASSEMBLIES CAN BE ORDERED AS "KITS" FOR TERMINATING AT CUSTOMER'S FACILITY OR CAN BE TERMINATED WITH WIRE TO YOUR SPECIFICATIONS BY CONNECTRONICS.

FOR APPLICATIONS INVOLVING SHARP GROUND PLANES, WE RECOMMEND THE USE OF "SEMICON WIRE" TO IMPROVE ELECTRICAL PERFORMANCE. CONSULT CONNECTRONICS FOR PART NUMBER INFORMATION PERTAINING TO WIRE CONSTRUCTION AND LENGTH.

ASSEMBLIES UTILIZING WIRE MAY BE PURCHASED IN ANY DESIRED LENGTH TO MEET YOUR SPECIFIC NEEDS. REFER TO BASE PART NUMBERS LISTED WHEN INQUIRING ABOUT DASH NUMBERS.

A WIDE RANGE OF EXTRUDED SILICONE INSULATED AND SILICONE COATED TEFLON INSULATED HIGH VOLTAGE WIRE IS ALSO AVAILABLE FROM CONNECTRONICS. PLEASE CONSULT FACTORY FOR ADDITIONAL INFORMATION.

CONTACT CONNECTRONICS FOR YOUR UNIQUE DESIGN REQUIREMENTS AND LET US DESIGN AND MANUFACTURE WHAT YOU NEED.

VISIT CONNECTRONICS ON THE INTERNET @ [www.connectronicscorp.com](http://www.connectronicscorp.com)

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