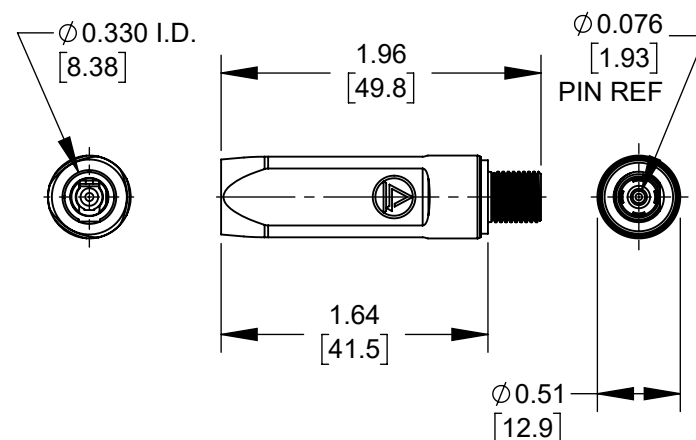
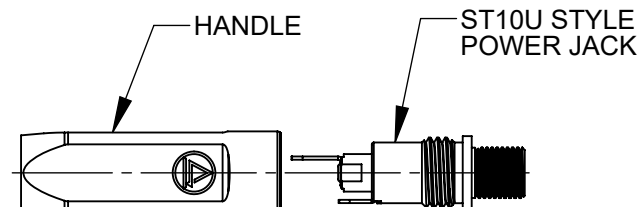
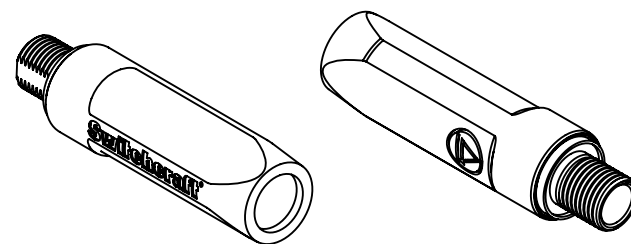
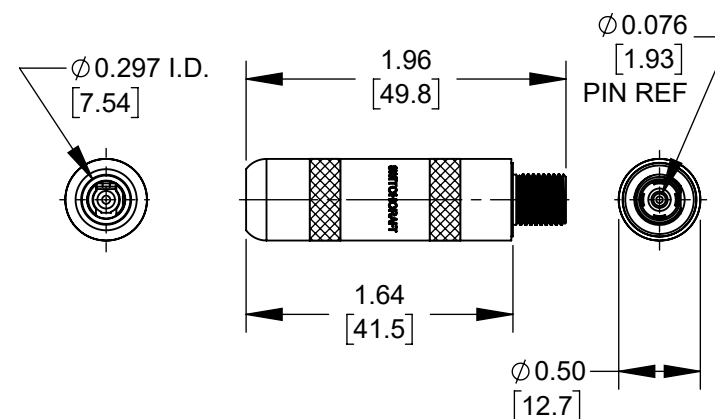
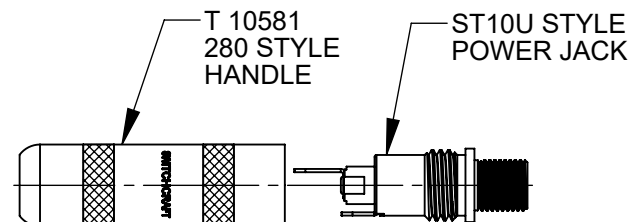
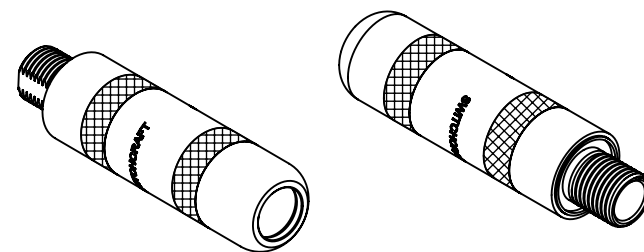


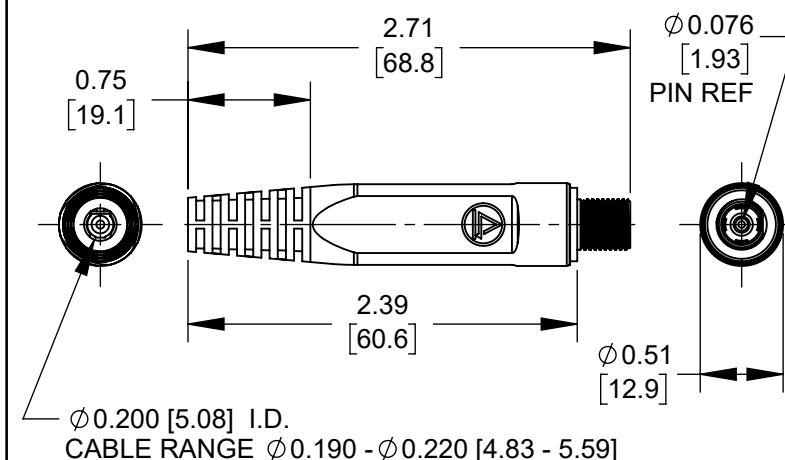
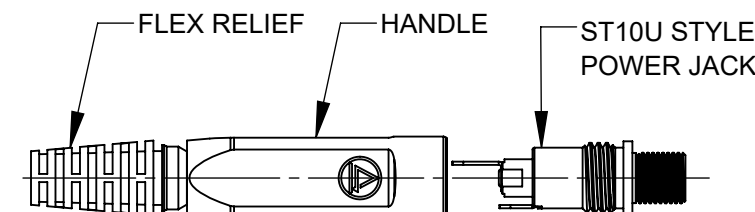
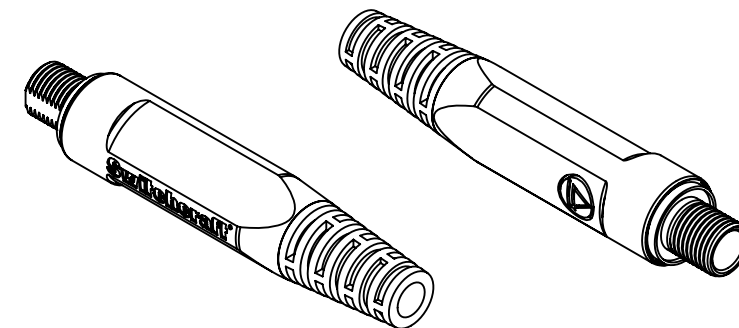
ST10UCFL



ST10UC



ST10UC1



ST10UCF B

CUSTOMER DRAWING

NOTES:

1. PARTS ARE SHIPPED UNASSEMBLED.
2. THESE ASSEMBLIES ARE RoHS COMPLIANT.
3. SEE SHEET 2 FOR SPECIFICATIONS.

| REV | ECO NUMBER | DATE | BY | APVD |
|-----------|------------|----------|-----|------|
| B | 28475 | 02-21-22 | PC | TJK |
| A | ECO 27926 | 8-17-17 | SRC | TJK |
| REVISIONS | | | | |

UNLESS OTHERWISE SPECIFIED

1. ALL DIMENSIONS IN INCHES [mm]
- TWO PLACE DECIMALS ±0.02 [0.5]
- THREE PLACE DECIMALS ±0.005 [0.13]

DO NOT SCALE DRAWING

THIS DRAWING DESCRIBES A DESIGN CONSIDERED PROPRIETARY IN NATURE, DEVELOPED AND MANUFACTURED BY SWITCHCRAFT INC. AND IS RELEASED ON A CONFIDENTIAL BASIS FOR IDENTIFICATION PURPOSES ONLY.

| | | | | | | | | | |
|--------------------------------|--|-----------|-------------------------|-----------------|---------------------------|--------------|--|--------|----------|
| SIZE | | WIDTH | | MULT | | LBS/M | | TEMPER | |
| FINISH SPEC No. | | | | | MATERIAL SPEC No. | | | | |
| FIRST USED ON | | | | SCALE 0.85:1 | | Switchcraft® | | | |
| DATE DRAWN 12-21-16 | | BY SRC | CHKD SRC 12-21-16 | | APVD TJK 8-17-17 | | | | |
| NAME CABLE POWER JACK, RoHS | | | | | PART No. ST10UC SERIES | | | | REV B |
| | | | | | SHEET 1 OF 2 | | | | |

SolidWorks CAD File B

Mechanical Specifications

Life: Mechanical only
Vibration: 5000 cycles minimum using S10 style plugs
Operating Forces: Mil-Std 202G Method 201A (jack or when mated with locking plug)
3 lb maximum insertion. 0.2 lb minimum withdrawal when using S10 type plug

Electrical Specifications

Voltage Rating: 24 V AC/DC
Current Rating: Refer to current rating table below
Insulation Resistance: 1000MΩ min. initial
Contact Resistance (initial): 10 mΩ max

Environmental Specifications

Operating Temperature Rating: -40 °C to +105 °C(-40°F to +221°F)
Insulation Resistance: MIL-STD 202G Method 302 Condition B Only
Thermal Shock: MIL-STD 202G Method 107G (jack or when mated with sealed locking plug)

Material Specifications

Handle, Housing:

B

 Copper alloy, nickel plated (ST10UC1)
Zinc Alloy, nickel plated (ST10UC, ST10UCF, ST10UCFL)
Flex relief: Thermoplastic elastomer, black
Insulator: Thermoplastic, black
Center Pin: Copper Alloy, Gold over Silver Plated
Center & Shunt Terminals: Copper Alloy, Matte Tin Plated
Sleeve Spring Contact: Copper Alloy, Gold over Silver Plated

CURRENT CARRY WHEN MATED TO A S10 STYLE PLUG

| Wire (awg) | Current Rating (Amps) at Operating Temperature (° C) | | | |
|---------------|--|-----------|------------|------------|
| | 90° C max | 95° C max | 100° C max | 105° C max |
| 16 | 13 | 12 | 11 | 10 |
| 18 | 12 | 11 | 10 | 9 |
| 20 | 11 | 10 | 9 | 8 |

Note: AC/DC Power Plugs & Jacks are for current carry only. Do not connect or disconnect under load.
The circuitry on-off switch should be off before connecting or disconnecting the Power Plug to Jack.

CUSTOMER DRAWING

| | | | |
|------------------------|---------------------------|----------|--|
| SCALE 1:1 | Switchcraft® | | |
| DATE DRAWN 12-21-16 | | | |
| | SHEET 2 OF 2 | | |
| DRAWN BY SRC | PART No. ST10UC SERIES | REV B | |

Mouser Electronics

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Switchcraft:

[ST10UCF](#) [ST10UC1](#) [ST10UC](#)