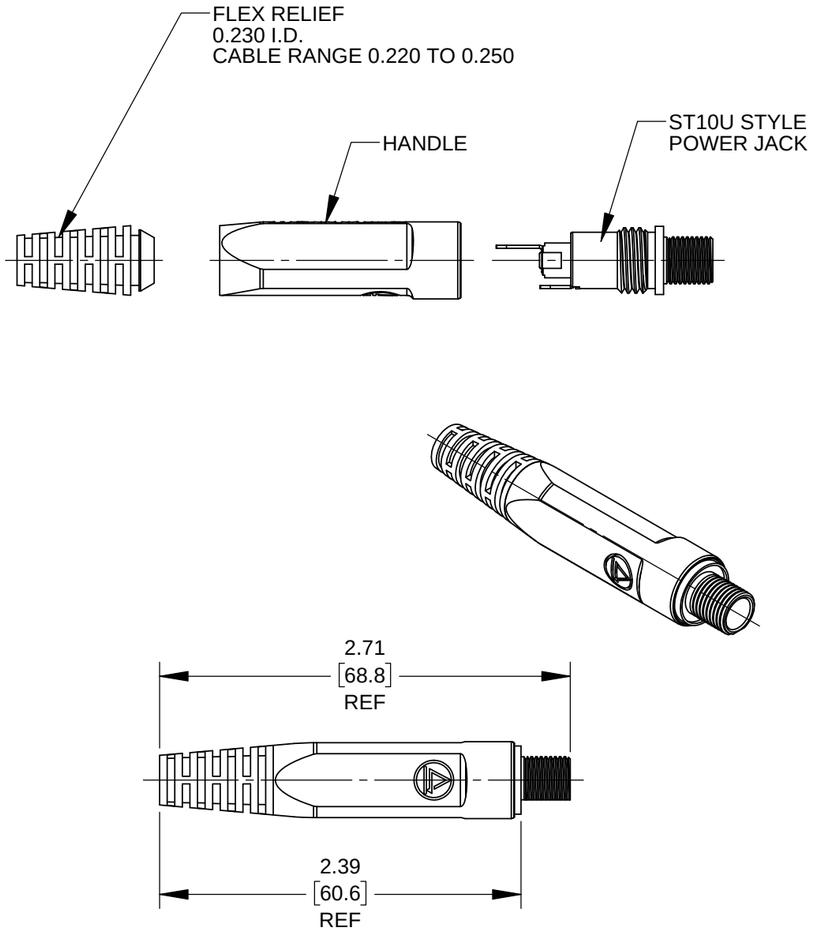
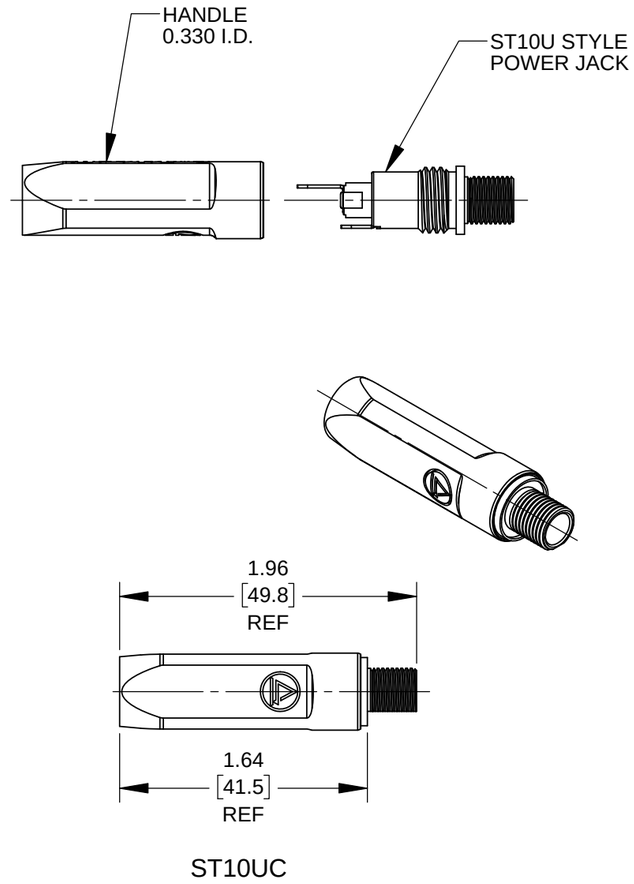
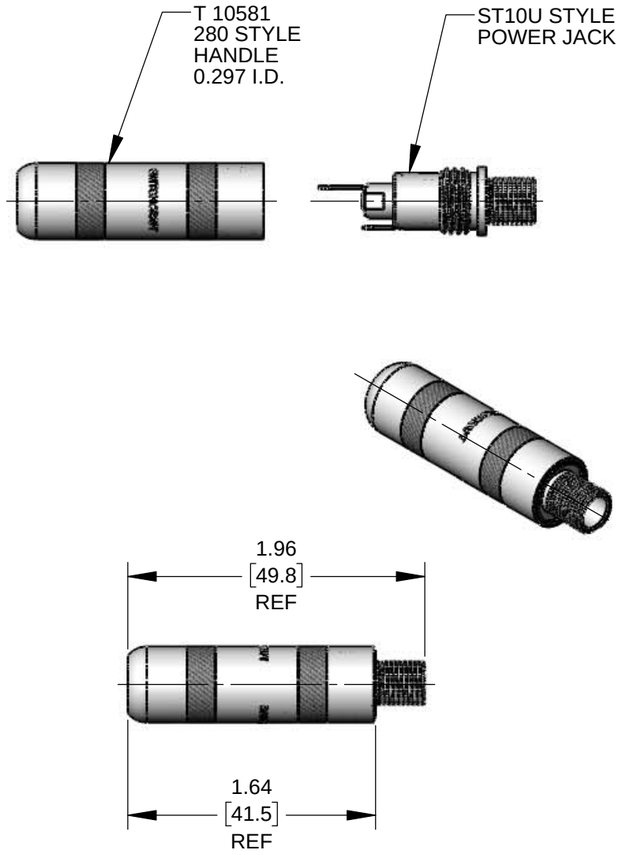


ST10UCFL



ST10UC



ST10UC1

CUSTOMER DRAWING

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

REV	ECO NUMBER	DATE	BY	APVD
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

SIZE	WIDTH	MULT	LBS/M	TEMPER
*	*	*	*	*

FINISH *
SPEC No. *

MATERIAL *
SPEC No. *

FIRST USED ON *

SCALE 1:1

DATE DRAWN	BY	CHKD	APVD
12-21-+16	SRC	SRC 12-21-16	TJK 8-17-17

Switchcraft®

SHEET 1 OF 2

NAME: CABLE POWER JACK

PART No.: ST10UC SERIES

REV: A

SolidWorks CAD File B

Mechanical Specifications

Life: Mechanical only	5000 cycles minimum using S10 style plugs
Vibration:	Mil-Std 202G Method 201A (jack or when mated with locking plug)
Operating Forces:	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(-40ºF 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,	Copper alloy, nickel plated
Flex relief	Thermoplastic elastomer
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 (º C)			
	90º C max	**95º C max**	**100º C max**	**105º 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.

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

SolidWorks CAD File B

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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ST10UCF ST10UC1 ST10UC