



CUSTOMER DRAWING

NOTES:

1. PARTS ARE SHIPPED UNASSEMBLED.

2. THESE ASSEMBLIES ARE RoHS COMPLIANT.

3. SEE SHEET 2 FOR SPECIFICATIONS.

					<div>UNLESS OTHERWISE SPECIFIED</div> <div>1. ALL DIMENSIONS IN INCHES [mm]</div> <div>- TWO PLACE DECIMALS ±0.02 [0.5]</div> <div>- THREE PLACE DECIMALS ±0.005 [0.13]</div>	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®	
B	28475	02-21-22	PC	TJK		DATE DRAWN	BY	CHKD	APVD			
A	ECO 27926	8-17-17	SRC	TJK		12-21-16	SRC	SRC	TJK			
REV	ECO NUMBER	DATE	BY	APVD	NAME			PART No.		REV		
REVISIONS					DO NOT SCALE DRAWING	CABLE POWER JACK, RoHS				ST10UC SERIES		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	