

USBFTV SC – SPRING-LOADED RECEPTACLE

MAIN CHARACTERISTICS

- Sealed against fluids and dust (IP67)
- Shock, vibration and traction-resistant
- No cabling operation in-field and no tools required
- Improved EMI-protection
- Mating cycles: 500
- Mating force after 500 cycles: 40 N
- Unmating force after 500 cycles: 55 N

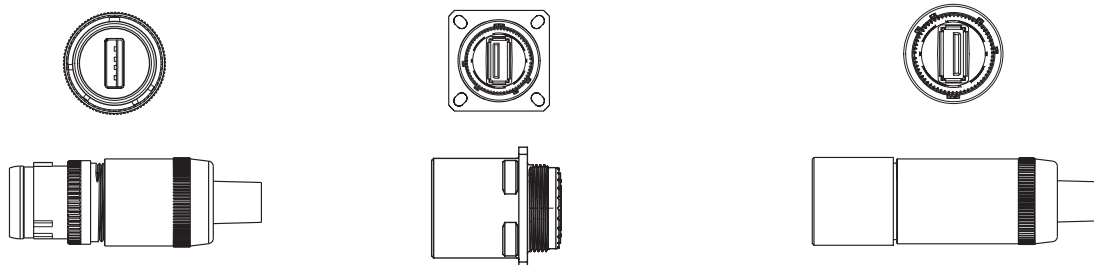


ENVIRONMENTAL PROTECTION

- Sealing (when mated): IP67 (Temporary immersion)
- Salt Spray: 48-hour with nickel-plating > 500-hour with olive drab cadmium
- Fire-retardant / low-smoke: UL94 V0 and NF F 16 101 & 16 102
- Vibrations: 10 – 500 Hz, 10 g, 3 axes: no discontinuity > 1 micros
- Shocks: IK06; weight of 250 g drop from 40 cm [15.75 in] onto connectors (mated pair)
- Humidity: 21 days, 109.4°F (43°C), 98% humidity

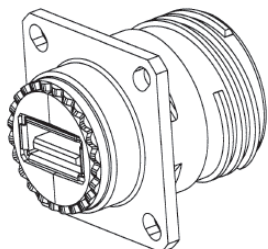
DATA TRANSMISSION

USB Specification 2.0
Data Rate: Up to 480 Mb/s for high-speed

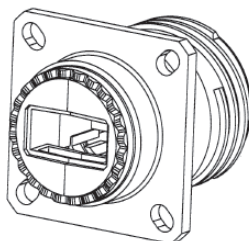


PLUG		RECEPTACLES				
PLATING	STANDARD	INLINE FEMALE USB-A	SQUARE FLANGE FEMALE USB-A		JAM NUT FEMALE USB-A	
			(4 TINNED HOLES)	SOLDER (4 TINNED HOLES)		
Marine Bronze	USBFSC6BZ	USBFSC11BZ	USBFSC21BZ	USBFSC22BZ	USBFSC71BZ	USBFSC72BZ
Nickel	USBFSC6N	USBFSC11N	USBFSC21N	USBFSC22N	USBFSC71N	USBFSC72N
Olive Drab Cadmium	USBFSC6G	USBFSC11G	USBFSC21G	USBFSC22G	USBFSC71G	USBFSC72G

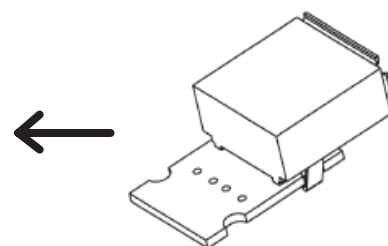
BACK TERMINATIONS – USBFSC RECEPTACLES



Type 1: Female USB-A



Type 2: Solder four tinned holes to solder cable



View of the PCB of Type 2 with four tinned holes for solder termination