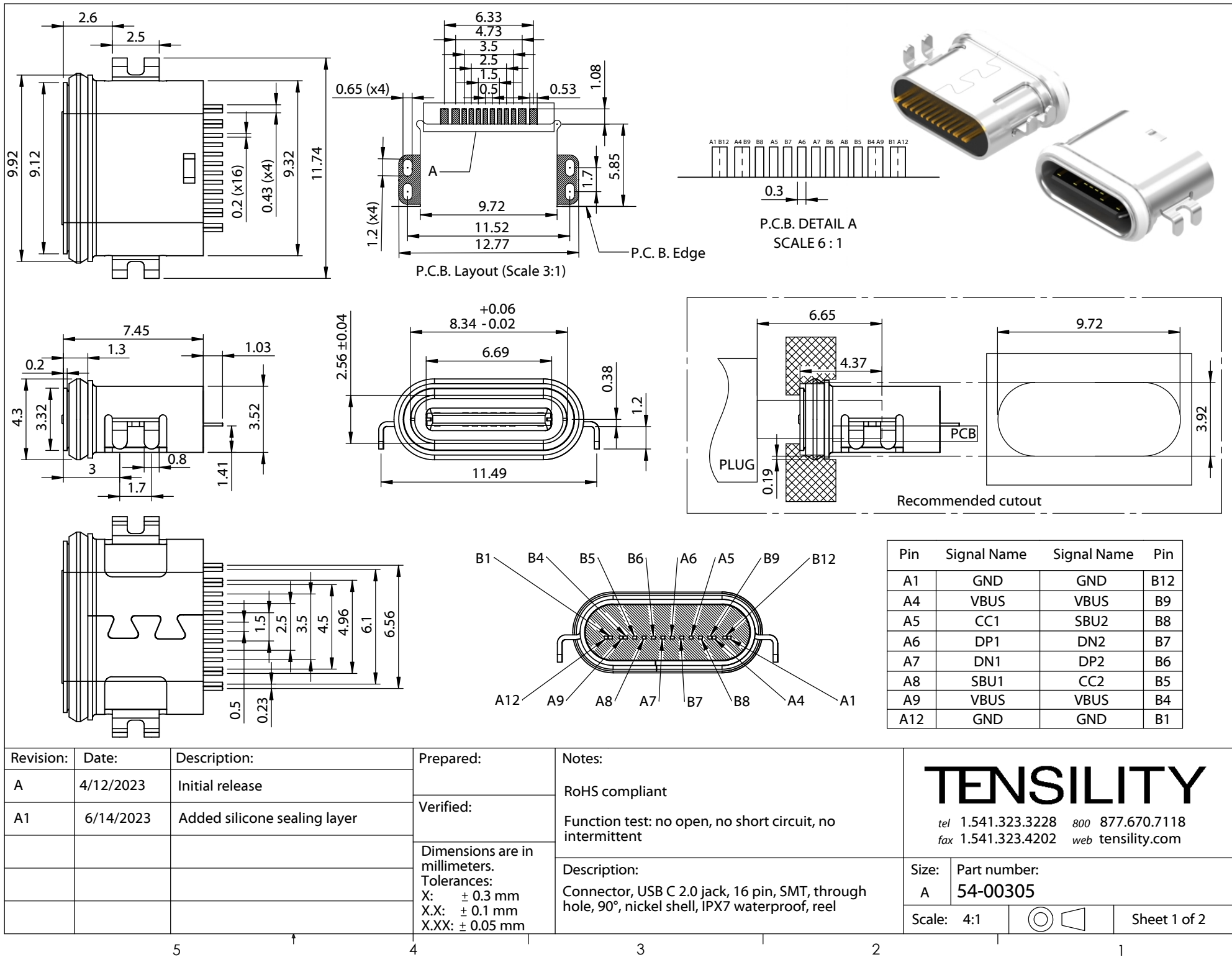




Ratings

Rated voltage: 30 Vdc

Rated current: 3 A

Operating Temperature Range

-40 ~ 85 °C

Materials

① Insulator: polyphthalamide (PPA), UL94 V-0, black

② Shell: zinc alloy, nickel plating

③ Shell: zinc alloy

④ Pins: copper alloy, gold plating

⑤ O-ring: silicone rubber, white

⑥ Silicone and Epoxy: black

Electrical Requirements

Dielectric strength: 1 min @ 100 Vac

Insulation resistance: 100 MΩ min

Contact resistance:

VBUS & GND pins and other pins: 40mΩ/pin or less

Shield: 50mΩ or less

Mechanical Requirements

Insertion force: 0.5-2 kgf maximum

Withdrawal force: 0.6-2 kgf minimum

Life cycle: 10000 mating cycles while maintaining less than 50 mΩ contact resistance (terminal) and 100 mΩ contact resistance (ground)

Environmental Requirements

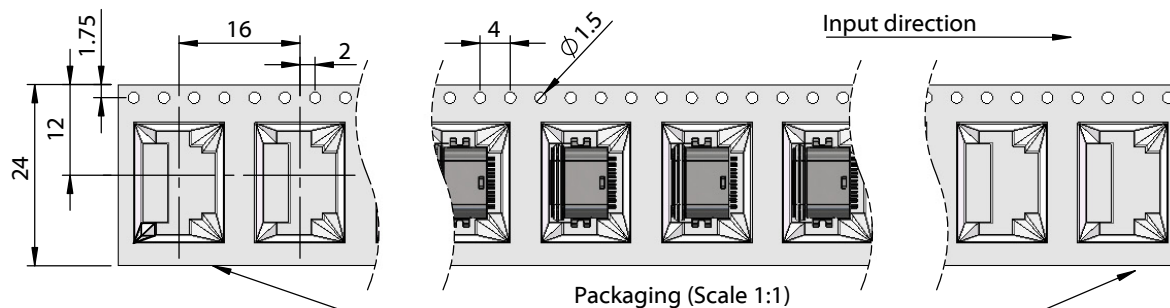
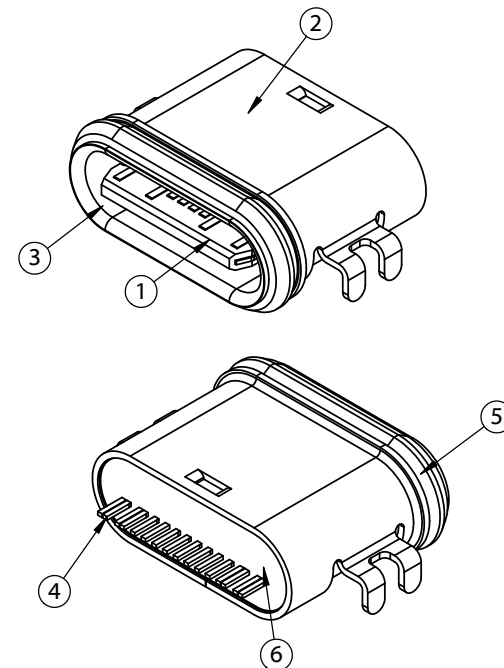
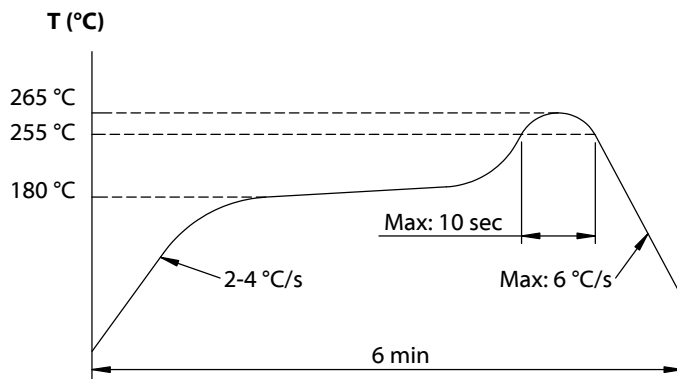
Waterproof: IPX7

Packaging

Tape and Reel

800 pieces per reel

10 reels per carton



300mm empty reel at both ends

Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	4/12/2023	Initial release	Verified:	RoHS compliant			
A1	6/14/2023	Added silicone sealing layer	Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Function test: no open, no short circuit, no intermittent	Size:	Part number:	
				Description:	A	54-00305	
				Connector, USB C 2.0 jack, 16 pin, SMT, through hole, 90°, nickel shell, IPX7 waterproof, reel	Scale: 4:1		Sheet 2 of 2