

Signal Name	
1	Vcc
2	D-
3	D+
4	ID
5	GND

Recommended cutout

Revision:	Date:	Description:	Prepared:	Notes:	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</p>
A	5/13/2021	Initial release	Verified:	RoHS compliant	
			Dimensions are in millimeters. Tolerances: X: ± 0.2 mm X.X: ± 0.2 mm X.XX: ± 0.2 mm	Function test: no open, no short circuit, no intermittent	
				Description: Connector, USB micro B jack, surface mount, through hole, 90°, nickel shell, IPX7 waterproof, reel	
				Size: A	Part number: 54-00283
				Scale: 4:1	Sheet 1 of 2

Materials

- ① Shell, stainless steel, nickel plating
- ② Pins, phosphor bronze, gold plating
- ③ Insulator, Nylon PA10T+ 30% GF, black
- ④ Seal, Silicone Rubber, black

Electrical

Rated voltage: 30 Vdc
 Rated current: 3 A (pin 1, 5), 0.5 A (pin 2, 3, 4)
 Dielectric strength: 1 min @ 500 Vac
 Insulation resistance: 1000 M Ω min
 Contact resistance: 30 m Ω or less

Mechanical

Insertion force: 3.5 kgf maximum
 Withdrawal force: 0.8 kgf minimum
 Durability: 5000 cycle minimum
 Plug interface conforms to USB 2.0 specification

Environmental

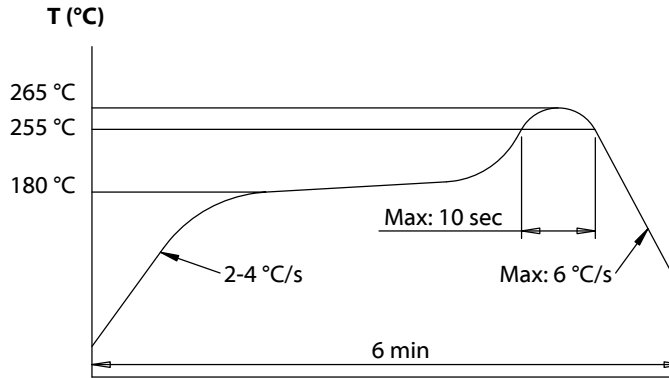
Waterproof: IPX7

Operating range

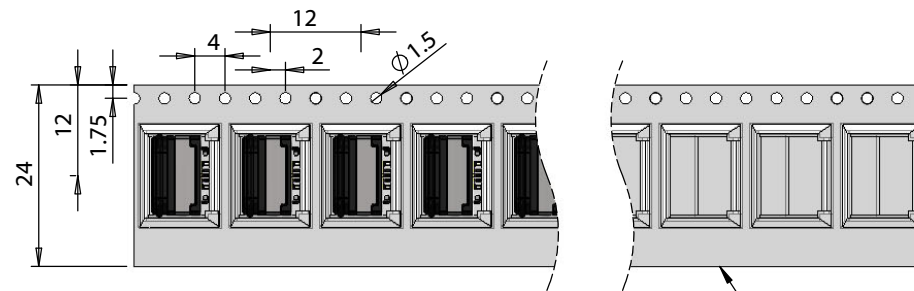
-40 ~ 85 °C

Packaging

Tape and Reel
 1000 pieces per reel
 10 reels per carton



Reflow soldering temperature profile



20 pieces empty at beginning of reel

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				Description:	Size: Part number:	
				Connector, USB micro B jack, surface mount, through hole, 90°, nickel shell, IPX7 waterproof, reel	A 54-00283	
					Scale: 1:1	Sheet 2 of 2