Materials

- (1) Insulator: LCP + 30% glass fiber, UL 94 V-0, gray
- (2) Pin: brass, nickel plated
- (3) Shell: brass, nickel plated
 (4) Spring contact: phosphor bronze, nickel plated
 (5) Switch contact: brass
 (6) Shell contact: brass, nickel plated

Electrical Requirements Dielectric strength: 1 min @ 500 Vac Insulation resistance: 100 MΩ @ 500 Vdc Contact resistance: 30 m Ω or less

Mechanical Requirements

- Insertion force: 0.4-4 kgf
- Withdrawal force: 0.4-4 kgf
- Life cycle: 5000 mating cycles while maintaining 0.4 kgf min. insertion force, 0.4 kgf min. withdrawal force and less than 100 m Ω contact resistance.

- Environmental Requirements Cold test: -25 ±3 °C for 48 hours without deformation Heat test: 70 °C, relative humidity 70-85% for 96 hours without deformation
- Humidity test: 40 °C, relative humidity 90-100% for 96 hours without deformation



Revision:	Date:	Description:	Prepared:	Notes:					
А	5/3/2022	Initial release		RoHS compliant		ΙĿ	NSIL	ITY	
			Verified:	Function test: no open, no short circuit, no intermittent		tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com			
			Dimensions are in millimeters. Tolerances: X: ± 0.3 mm	Description: Connector, dc jack, 5.5x2.1xL22.0 mm, nickel plating, molding style, switch					
			X.X: ± 0.1 mm X.XX: ± 0.05 mm			le: 2:1	$\bigcirc \bigcirc$	Sheet 1 of 2	
		5	4	3 2				1	



custom version of this cable assembly, call Tensility at 541-323-3228 or email engineering@tensility.com see a 2