Materials

Outer shell: C3604 brass, nickel-plating
Front nut: C3604 brass, nickel-plating
Insulator: PPS (Polyphenylene sulfide) UL94 V-0, beige Pin: C38500 brass, 0.2 μm gold-plated, solder cup style Washer p/n 56-00006: cold rolled steel, nickel-plating Nut p/n 56-00007: C3604 brass, nickel-plating

Electrical Requirements

Breakdown voltage: 0.85 kV rms (contact to contact), 0.70 kV rms (contact to shell)

Contact to shell)

Dielectric strength: 1 min @ 500 Vac

Insulation resistance: 10000 MΩ @ 500 Vdc

Contact resistance: 30 mΩ or less, 5000 cycles

Mechanical Requirements Insertion force: 1.02 kgf average Withdrawal force: 0.82 kgf average Latch force: 18.4 kgf average

Life cycle: 5000 minimum mating cycles at 300 cycles per hour

Shock resistance: 100g, 6 ms

Resistance to vibration: 10-2000 Hz, 15g

Environmental Requirements

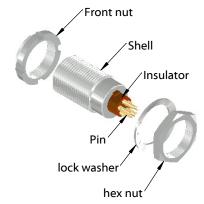
IP50 rating

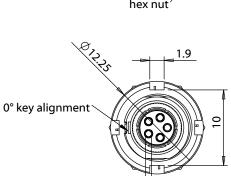
Assembly info

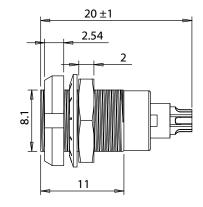
Wire gauge: 24 AWG max (Ø0.60 mm)

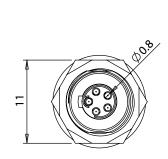
Mating info

Mates with PPL7 series plug (5 pin)







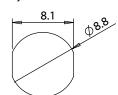


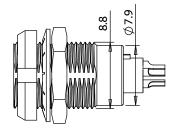
Installation Details

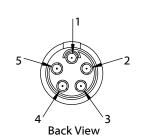
Panel thickness: 5.5 mm max Panel cutout Ø: 8.8 - 11.75 mm

Connector layout:

Ø0.8



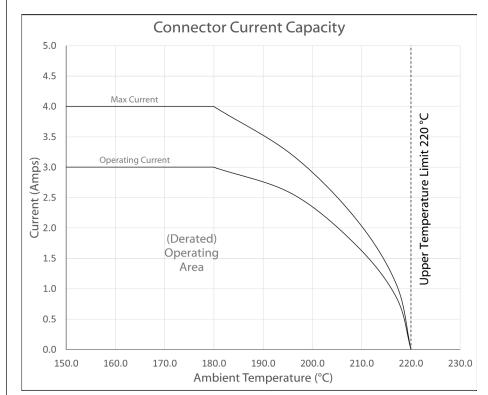




Revision:	Date:	Description:	Prepared:	Notes:						
Α	12/13/2017	Initial Release		RoHS and REACH compliant		F	JSII	ITY		
			Verified:	Function test: no open, no short circuit, no intermittent	tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com					
			Dimensions are in			lux 1.511.525.1262 web terisinty.com				
			 millimeters. Tolerances: 	Description:	Size:	Part number:				
			X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Connector, PPL7, 5C, 0° panel socket, front-back mount, 7x20 mm, chrome, solder	Α	51-00021				
					Scale:	2:1		Sheet 1 of 2		

5 3 2 Ratings Voltage: 300 V Current: 3.0 A

Operating Temperature Range -55 to 220 °C



Testing based on IEC 60512-5-2. Max current curve generated with isolated test article under controlled environmental conditions, and does not take into account external factors such as housings, mating cables, or other

	Notes:				
A 12/13/2017 Initial Release	RoHS and REACH compliant		FN	ISII	ITY
Verified: Dimensio	Function test: no open, no short circuit, no intermittent	tel	tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
millimeter Tolerance	Si Connector DDI 7 50 0° nanel content front had	Size: Part number: A 51-00021			
X: ± 0. X.X: ± 0. X.XX: ± 0.	mount, 7x20 mm, chrome, solder	Scale:	1		Sheet 2 of 2

5 4 3