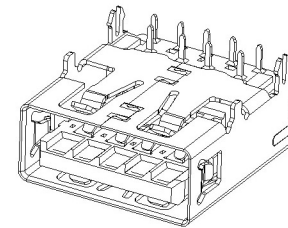


Pin #	SIGNAL NAME	DESCRIPTION	MATING SEQUENCE
1	VBUS	POWER	SECOND
2	D-	USB 2.0 DIFFERENTIAL PAIR	THIRD
3	D+		
4	GND	GROUND FOR POWER RETURN	SECOND
5	StdA_SSRX-	SUPERSPEED RECEIVER DIFFERENTIAL PAIR	LAST
6	StdA_SSRX+		
7	GND_DRAIN	GROUND FOR SIGNAL RETURN	
8	StdA_SSTX-	SUPERSPEED TRANSMITTER DIFFERENTIAL PAIR	
9	StdA_SSTX+		
Shell	Shield	CONNECTOR METAL SHELL	FRIST



Material

Housing Material: PA9T, UL94V-0, black

Contact Terminal: Brass

Metallic Shell: Brass

Plating

Underplating: Nickel

Contact Plating: 1μ" Gold

Solder Tail: 100μ" Min. Tin

Metallic Shell: Nickel

Electrical

Voltage Rating: 100 V AC

Current Rating: 0.25A (Signal pins 2,3,5,6,7,8,9) 3A (Power Pins 1,4)

Contact Resistance: 30mΩ Max.

Insulation resistance: 1000MΩ Min.

Dielectric withstanding voltage: 100V AC/Minute

Mechanical

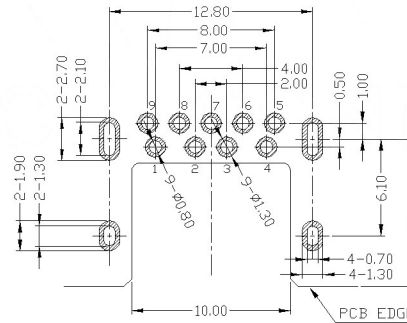
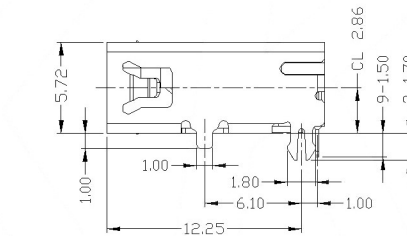
Durability: 1500 cycles

Mating Force: 35N (3.57Kgf) Max

Unmating Force: 10N (1.02Kgf) Min. initial, 8N min after test

Environmental and Processing

Operating Temperature: -40°C to +85°C



RECOMMENDED PCB LAYOUT

U231-09XN-3BRC10-5

- 1: Au 10μ"
- 5: Au 15μ"
- 6: Au 30μ"
- 1: PBT
- 2: PA6T
- 3: PA9T
- 4: LCP
- 5: BRASS

MARK	DESCRIPTION	REVISIONS	DATE	REVISED	APPROVED	UNSPECIFIED TOLERANCES
ΔX						ANGULAR ±5°
ΔX						L ≤ 4 ±0.2
ΔX						4 < L ≤ 16 ±0.3
ΔX						16 < L ≤ 63 ±0.4
						L > 63 ±0.5

DSND	DATE	SCALE: N/A	MODEL TYPE: USB 3.0
DWN	DATE	VIEW:	PART NO.:
CHKD	DATE	UNIT: mm	DWG NO.:
APPD	DATE	SIZE: A4	U231-09XN-3BRC10-5
		WEIGHT 1.0g	SHEET 1/1
		REVISION A0	

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