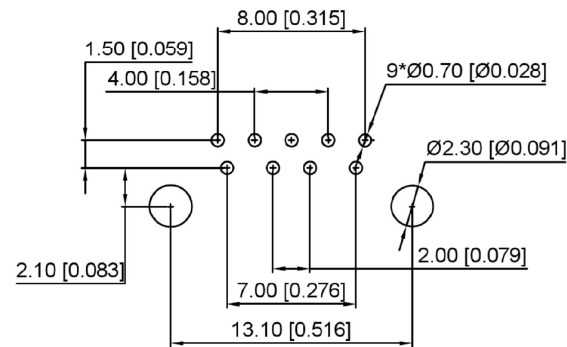
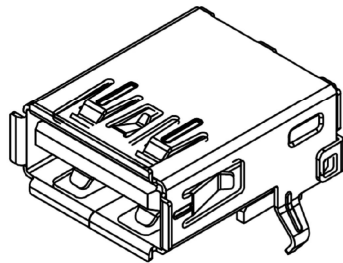
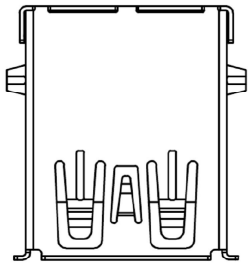
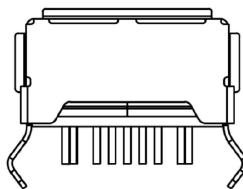
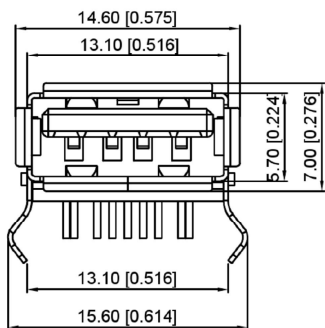




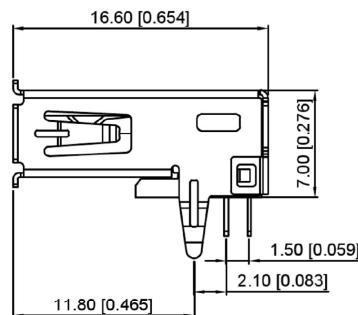
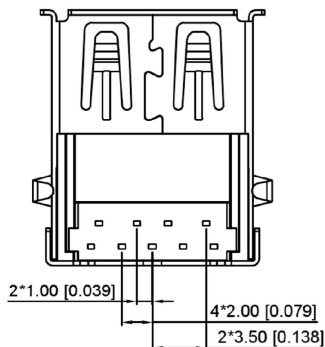
RECOMMENDER PCB LAYOUT TOP VIEW
(COMPONENT SIDE TOLERANCE±0.05)



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	SigA_SSRX-	SUPER SPEED RECEIVER DIFFERENTIAL PAIR	LAST
6	SigA_SSRX+		
7	GND_DRAIN	GROUND FOR SIGNAL RETURN	
8	SigA_SSTX-	SUPER SPEED TRANSMITTER DIFFERENTIAL PAIR	
9	SigA_SSTX+		
Shell	Shield	CONNECTOR METAL SHELL	FIRST

Material
Housing Material: PBT, UL94V-0, blue
Contact Terminal: Copper Alloy
Metallic Shell: SPCC/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) 1.8A (Power Pins 1,4)
Contact Resistance: 30mΩ Max.
Insulation resistance: 1000MΩ Min.
Dielectric withstanding voltage: 100V AC/Minute
Mechanical
Durability: 5000 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

U231-09XN-1BLRC19-S X
1: Au 1U"
5: Au 15U"
6: Au 30U"
1: SPCC
5: BRASS
S: Scrolls F: Flat
T: TIN
N: NICKEL
B: BLACK W: WHITE BL: BLUE
1: PBT
2: PA6T
3: PA9T
4: LCP



DSND	SCALE: N/A	MODEL TYPE: USB 3.0
DWN	VIEW:	PART NO.:
CHKD	UNIT: mm/in	DWG NO.:
APPD	SIZE: A4	U231-09XN-1BLRC19-SX
DONG GUAN XI BANG ELECTRONIC CO., LTD		WEIGHT
		SHEET
		REVISION
		1/1
		A0

				ANGLAR	±5°
				L ≤ 4	±0.2
				4 < L ≤ 16	±0.3
				16 < L ≤ 63	±0.4
				L > 63	±0.5
REVISIONS				UNSPECIFIED TOLERANCES	
www.alpsr.com www.gdxjdz.com www.xbswitch.com					

