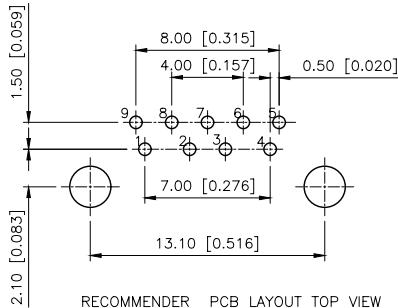
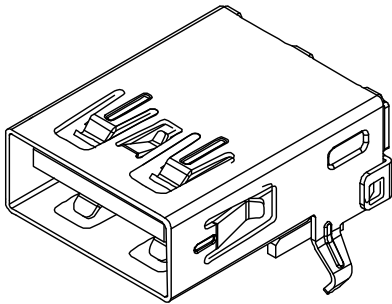
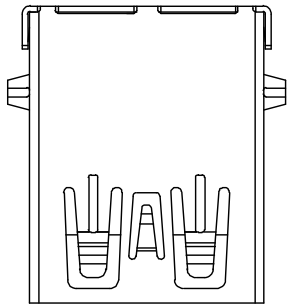
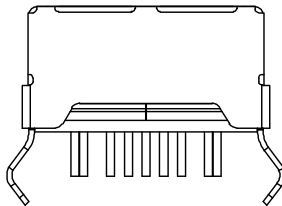
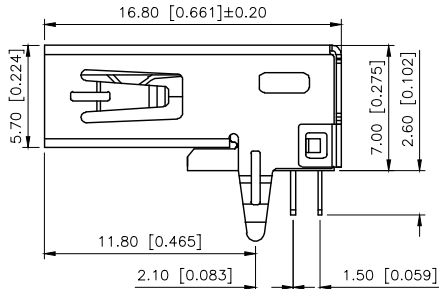
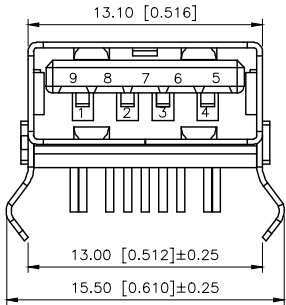


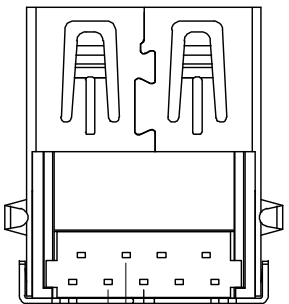
REVISIONS					
REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A0	N/A		INITIAL RELEASE	/	/
A1	N/A		图面升级整理图面	2025.05.07	阿树



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



Material
Housing Material:LCP, UL94V-0, blue
Contact Terminal: Copper Alloy
Metallic Shell:Spcc
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



4-2.00 [0.079]
2-1.00 [0.040]

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

U231-091N-1BLRC19-F5

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

AuGLAR	±5°
X.	±0.40
X.x	±0.30
X.xx	±0.20
X.xxx	±0.15
UNSPECIFIED TOLERANCES	



DESIGN	阿树	VIEW:	MODEL TYPE: USB 3.0
CHECKED		UNIT: mm/in	PART NO.: U231-091N-1BLRC19-F5
APPROVED		SIZE: A4	DWG NO.: X-U231-091N-1BLRC19-F5
SCALE			PAGE
N/A			1/1
REVISION			A1