



TOLERANCE: ±0.05, THICKNESS: 1.2mm  
RECOMMENDED PCB LAYOUT  
(TOP VIEW)  
KEEP OUT AREA

NOTE:

1. MATERIAL:

- 1.1 INSULATOR:HIGH TEMPERATURE PLASTIC UL 94 V-0;BLUE
- 1.2 CONTACT:COPPER ALLOY(T=0.20mm)
- 1.3 SHELL:SUS201(T=0.30mm)

2. ELECTRICAL CHARACTERISTICS;

- 2.1 CONTACT RESISTANCE:30mΩ Max
- 2.2 CONTACT CURRENT RATING:1.5A
- 2.3 DIELECTRIC WITHSTANDING VOLTAGE:500 V R. M. S.
- 2.4 INSULATION RESISTANCE 1000 MEGOHMS Min

3 MECHANICAL CHARACTERISTICS:

- 3.1 MATING FORCE:35 N Max
- 3.2 UNMATED FORCE:10 N Min INITIAL; 8 N Min AFTER TEST
- 3.3 DURABILITY:5,000 CYCLES

4. PLATING

- 4.1 TERMINAL CONTACT:SELECT GOLD PLATING ALL OVER  
50u" MIN NICKEL AND 100u"MIN MATTE Tin ALL OVER 50u"  
MIN NICKEL ON SOLDER AREA
- 4.2 SHELL:50u"MIN. NICKEL ALL OVER

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



Champyang International Ltd., Co

REV	DESCRIPTION.	APPD.	Date
A0	RELEASED	Allen	2019-07-04

FILE NO :	AU302( Series)	TITLE	USB3.0 AF STD CL-0.75mm H2.11 L14.2mm DIP		UNIT	mm inch	
TOLERANCE(公差):	0.000 mm ± 0.075 mm 0.00 mm ± 0.15 mm 0.0 mm ± 0.25 mm	PART NO.	AU302-0109-x32-D		SCALE	1:1	
		DRAWN BY	Ben	DATE	2019-07-04	REV.	A0
		CHECKED BY	Allen	DATE	2019-07-04		