

REV	ECN No.	DATE	REMARK
A	NEW	2021.01.11	NEW RELEASE

NOTE:

1.MATERIAL SPECIFICATION:

1-1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC(LCP),
UL94 V-0. COLOR:BLACK.

1-2.CONTACTS:COPPER ALLOY(C18150)T=0.12mm

1-3.MID PLATE: STAINLESS STEEL(SUS301)T=0.15mm

1-4.SHELL: STAINLESS STEEL(SUS304)T=0.30mm

2.PLATING SPECIFICATION:

2-1.CONTACTS:

Ni 50u" MIN. UNDER PLATED OVER ALL.

Au PLATED ON THE MATING AREA OF CONTACT.

(GOLD PLATING THICKNESS FOLLOW THE P/N)

G/F PLATED ON THE SOLDER AREA.

2-2.SHELL:

Ni 30u" MIN. UNDER PLATED OVER ALL.

2-3.MID PLATE:

CLEAR ONLY

3.MECHANICAL PERFORMANCE,

3-1.INSERTION FORCE: 0.5~2.0kgf.

3-2.EXTRACTION FORCE: 0.8kgf~2.0kgf.

0.6kgf~2.0kgf. AFTER DURABILITY TEST.

3-3.DURABILITY: 10000 CYCLES.

4.ELECTRICAL PERFORMANCE,

4-1. CURRENT RATING:5.0A

VOLTAGE RATING:5.0V

4-2. LLCR:

VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.

SHIELD: 50mΩ/MAX.

LLCR-MAX. CHANGE OF ALL PINS: 10mΩ.

4-3.INSULATION RESISTANCE: 100MΩ MIN

4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

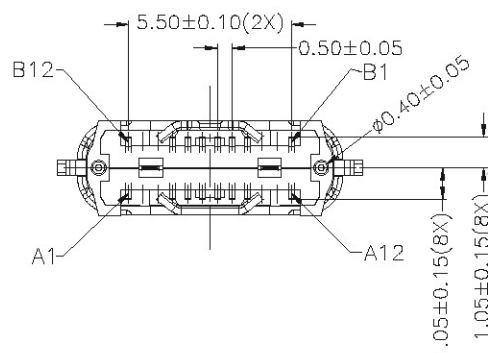
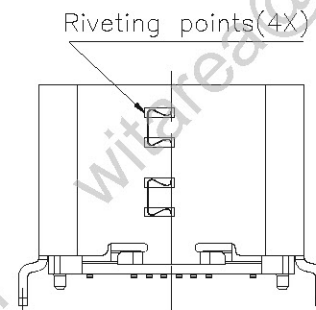
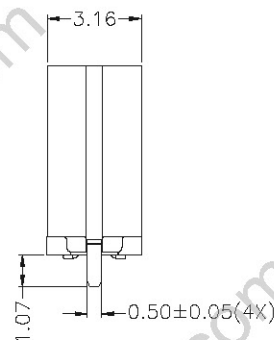
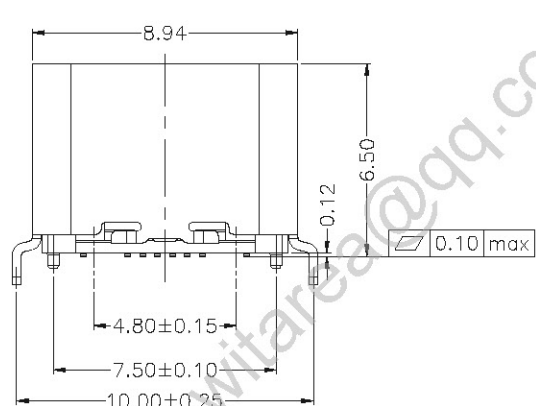
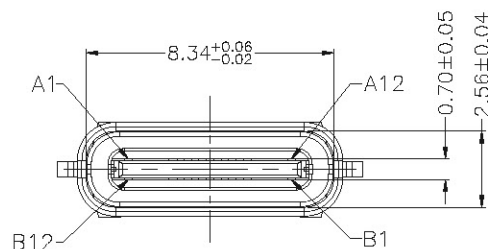
5. ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -25°C~+85°C.

6.IR REFLOW:

THE PEAK TEMPERATURE ON THE BOARD SHALL

BE MAINTAINED FOR 10 SECONDS AT 260°C.



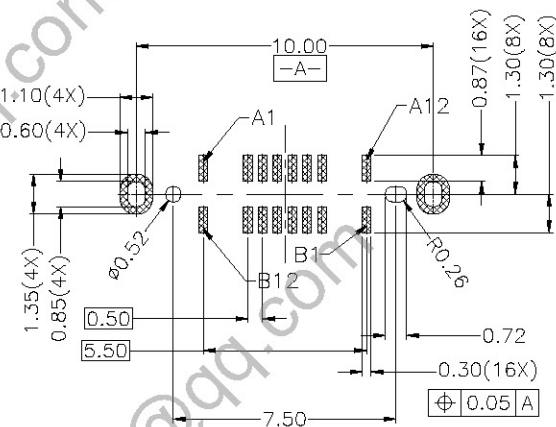
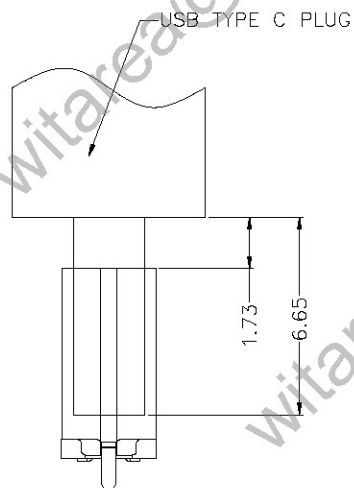
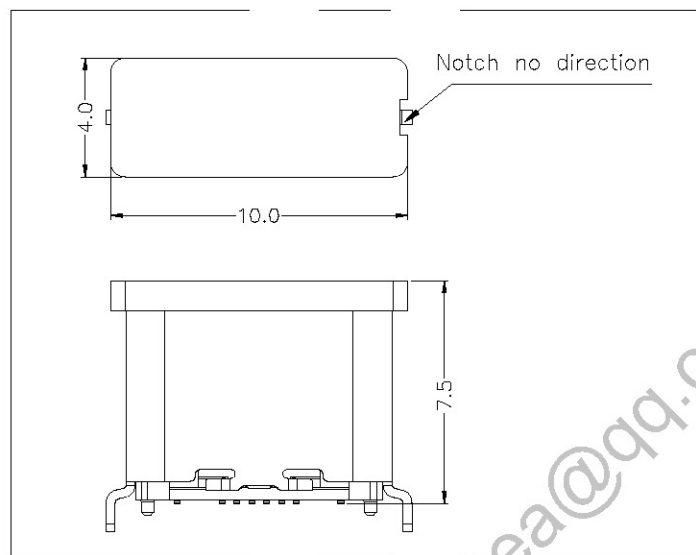
PART NO.:
SEE THE PART NUMBER CODE

QUALITY SYMBOL	GENERAL TOLERANCES (UNLESS SPECIFIED)
0	X.XXXX ± ---
0	X.XXX ± 0.10
0	X.XX ± 0.25
0	X.X ± 0.30
0	ANGULAR ± --°

深圳市锦域科技有限公司 SHENZHEN WITAREA TECHNOLOGY CO.,LTD		DRAWN BY ANDY YANG		DATE 2021.01.11	
TITLE TYPE C 2.0 16PIN RECEPTACLE , VERTICAL-MOUNT, DUAL-ROW SMT, WITH 2 STAKES, H=6.5MM, L=6.5MM		CHECKED BY JAMES XIAO		DATE 2021.01.11	
DWG.NO. W0026-16-VML-S5		SHEET NO. 1 OF 2		APPROVED BY JASON ZENG	
DIMENSION STYLE MM ONLY		DESIGN UNITS METRIC		SCALE 1:1	

THIRD ANGLE PROJECTION	
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FEMALE AND MALE MATCHING DRAWING

RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS 0.8±0.10MM;DEFAULT TOLERANCE:±0.05

USB TYPE-C PIN ASSIGNMENTS

PIN	NUMBER	SIGNAL	NAME
	A1		GND
	A4		V _{bus}
	A5		CC1
	A6		Dp1
	A7		Dn1
	A8		SBU1
	A9		V _{bus}
	A12		GND

PIN	NUMBER	SIGNAL	NAME
	B12		GND
	B9		V _{bus}
	B8		SBU2
	B7		Dn2
	B6		Dp2
	B5		CC2
	B4		V _{bus}
	B1		GND

QUALITY SYMBOL 0
