

REV	ECN No.	DATE	REMARK
A0	NEW	2019.11.21	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.

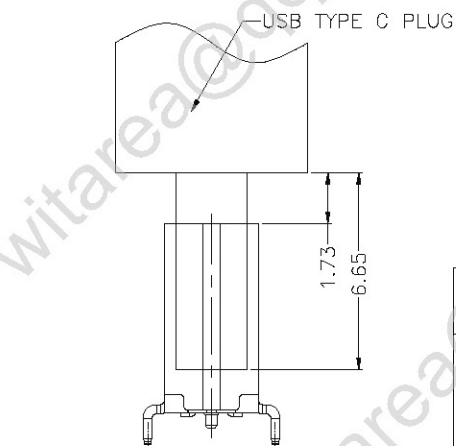
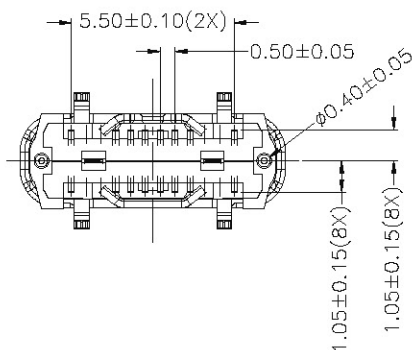
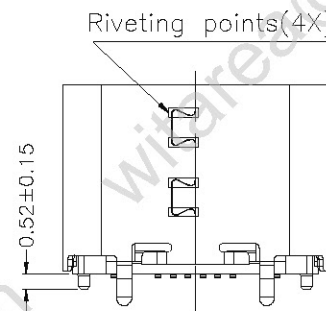
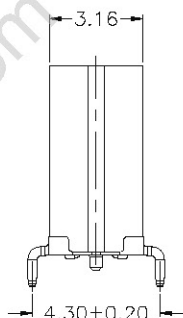
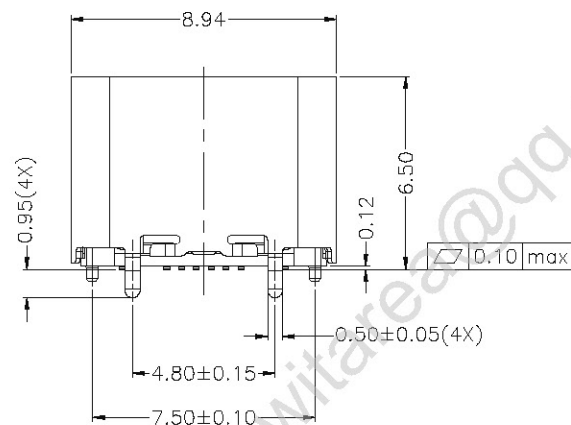
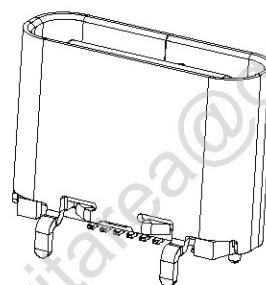
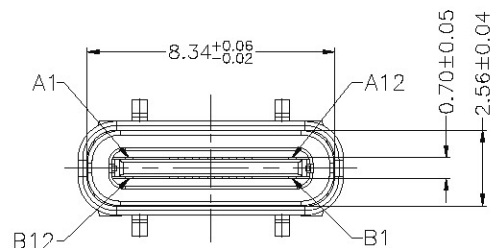
5. ENVIRONMENTAL PERFORMANCE:

- OPERATING TEMPERATURE: -25°C~+85°C.

6.IR REFLOW:

- THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

7.符合ROHS & HF要求



FEMALE AND MALE MATCHING DRAWING

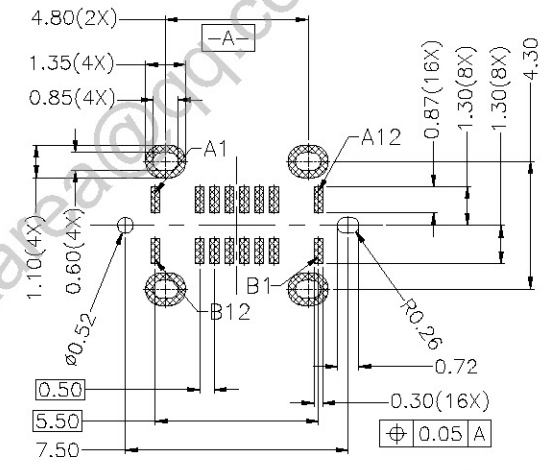
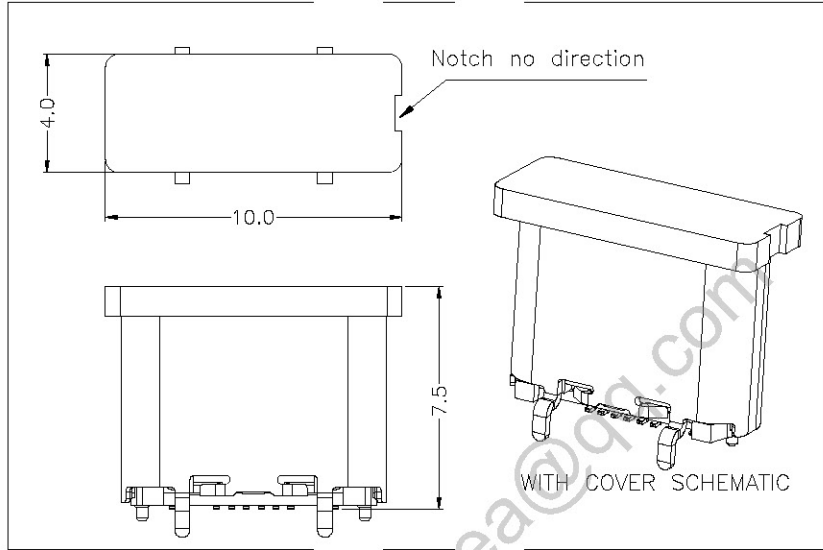
PART NO.:		SEE THE PART NUMBER CODE	
QUALITY SYMBOL		GENERAL TOLERANCES (UNLESS SPECIFIED)	
X.XXXX	±	---	
X.XXX	±	0.10	
X.XX	±	0.25	
X.X	±	0.30	
ANGULAR	±	---	

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QUALITY SYMBOL		GENERAL TOLERANCES (UNLESS SPECIFIED)	
X.XXXX	±	---	
X.XXX	±	0.10	
X.XX	±	0.25	
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RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 0.8±0.10MM;DEFAULT TOLERANCE:±0.05

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	Vbus	B9	Vbus
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	Vbus	B4	Vbus
A12	GND	B1	GND

PART NO.: SEE THE PART NUMBER CODE		深圳市纬城科技有限公司 SHENZHEN WITAREA TECHNOLOGY CO.,LTD		DRAWN BY ANDY YANG	DATE 2019.11.21
GENERAL TOLERANCES (UNLESS SPECIFIED)		TITLE TYPE C 2.0 16PIN RECEPTACLE , VERTICAL-MOUNT, DUAL-ROW SMT, H=6.5MM, L=6.5MM		CHECKED BY JAMES XIAO	DATE 2019.11.21
X.XXXXX ± ---		DWG.NO. W0026-16-VM1-S3		APPROVED BY JASON ZENG	
X.XXX ± 0.10		SHEET NO. 2 OF 2		DATE 2019.11.21	
X.XX ± 0.25		DIMENSION STYLE MM ONLY		SCALE 1:1	
X.X ± 0.30		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
ANGULAR ± --°					