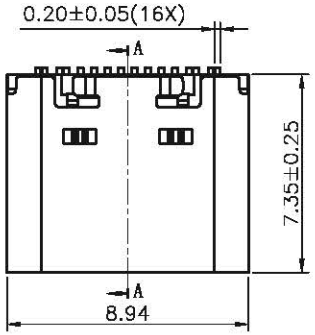
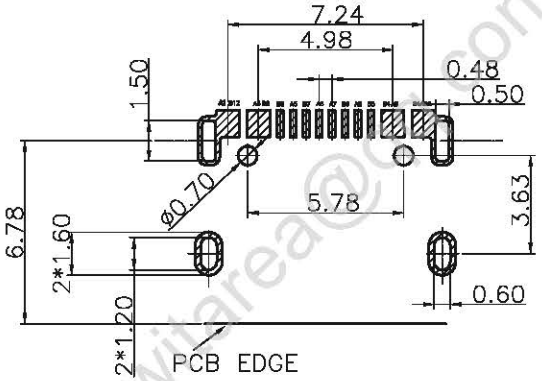
RoHS Compliant

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO WITAREA TECHNOLOGY, AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REV	ECN No.	DATE	REMARK
A	NEW	2022.07.19	NEW RELEASE

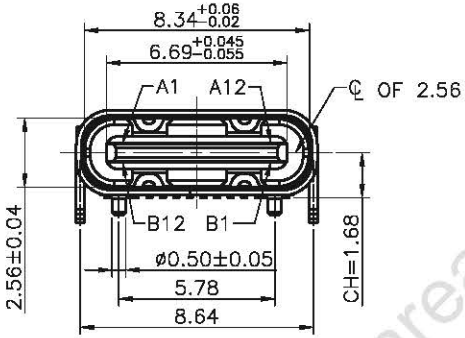


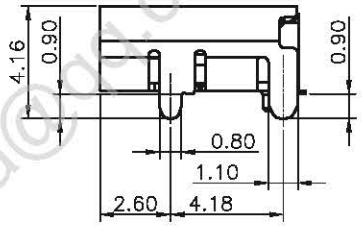


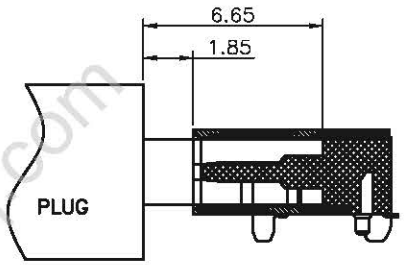
RECOMMENDED PCB LAYOUT(TOP VIEW)

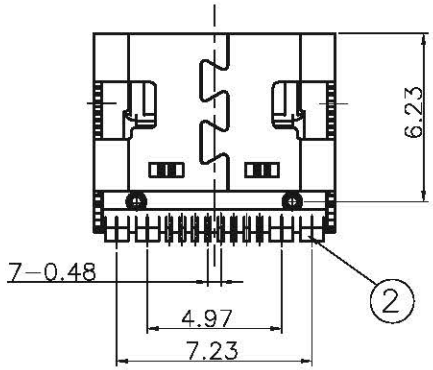
THICKNESS 0.80MM;DEFAULT TOLERANCE:±0.05

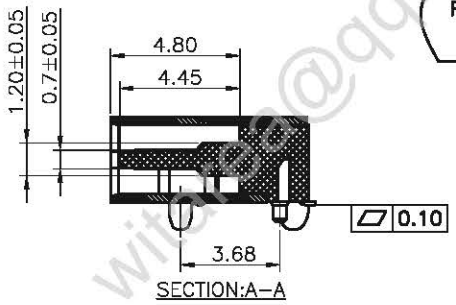
NOTE:
1.MECHANICAL PERFORMANCE,
1-1.INSERTION FORCE: 0.5~2.0kgf.
1-2.REMOVAL FORCE: 0.8kgf~2.0kgf.
1-3.DURABILITY: 10000 CYCLES.
2.ELECTRICAL PERFORMANCE,
2-1. VOLTAGE RATING:32v/15a 48v/10a DC/AC (RMS. max)
CURRENT RATING:15 AMPS. FOR TOTAL VBUS/GND PINS;
1.25AMPS FOR CC PIN,0.25 AMPS. FOR ALL OTHER CONTACT.
2-2. LLCR:.
VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
SHIELD: 50mΩ/MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
2-3.INSULATION RESISTANCE: 100MΩ MIN
2-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.
3.ENVIRONMENTAL PERFORMANCE:
OPERATING TEMPERATURE: -25°C~+85°C.
4.IR REFLOW:
THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.











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

TYPE:

NO.	DESCRIPTION	MATERIAL	REMARKS	QTY	
5	SHELL	SUS304 T=0.30mm	NICKEL 30u" MIN PLATING	1PCS	
4	SHIELDING PLATE	SUS301 T=0.15mm	CLEAR ONLY	1PCS	
3	DOWN CONTACT	C18400-H T=0.12mm	IN SELF-MATING TARGET PLATED OVER ALL AS SPECIFIED ON THE FUNCTIONAL AREA OF CONTACT. PLATING OF OF THE SOLDER AREA	1SET	
2	TOP CONTACT	C18400-H T=0.12mm	IN SELF-MATING TARGET PLATED OVER ALL AS SPECIFIED ON THE FUNCTIONAL AREA OF CONTACT. PLATING OF OF THE SOLDER AREA	1SET	
1	HOUSING	PA9T UL94V-0	BLACK	1PCS	

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

深圳市纬域科技有限公司
SHENZHEN WITAREA TECHNOLOGY CO., LTD

TITLE: TYPE C 2.0 16PIN RECEPTACLE , TOP-MOUNT, SINGLE ROW SMT, H=1.68MM,L=7.35MM, 15A, power rating 480w

DWG.NO. W0026-16-TM1-C1

SHEET NO. 1 OF 1

DIMENSION STYLE: MM ONLY

DESIGN UNITS: METRIC

SCALE: 1:1

DRAWN BY	DATE
ANDY YANG	2022.07.19
CHECKED BY	DATE
JAMES XIAO	2022.07.19
APPROVED BY	DATE
JASON ZENG	2022.07.19

THIRD ANGLE PROJECTION

frame size: A4

witarea@qq.com