

REV	ECN No.	DATE	REMARK
A	NEW	2022.01.23	NEW RELEASE

NOTE:

- MATERIAL SPECIFICATION:
 - HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC, LCP/PT9TUL94 V-0.
 - TERMINAL: COPPER ALLOY (C18400 T=0.12mm)
 - MID PLATE: STAINLESS STEEL (SUS301 T=0.15mm)
 - FRONT SHELL: STAINLESS STEEL (SUS304 T=0.3mm)
- PLATING SPECIFICATION:
 - TERMINAL:
 - Ni 50u" MIN. UNDER PLATED OVER ALL.
 - Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
 - (GOLD PLATING THICKNESS FOLLOW THE P/N)
 - FRONT SHELL:
 - Ni 30u" MIN. UNDER PLATED OVER ALL.
 - 2-3. MID PLATE CLEAR ONLY
- MECHANICAL PERFORMANCE:
 - INSERTION FORCE: 0.5~2.0kgf.
 - REMOVAL FORCE: 0.8kgf~2.0kgf.
 - DURABILITY: 10000 CYCLES.
- ELECTRICAL PERFORMANCE:
 - VOLTAGE RATING: 5 V DC/AC (RMS. max)
 - CURRENT RATING: 5 AMPS. FOR TOTAL VBUS/GND PINS; 1.25AMPS FOR CC PIN, 0.25 AMPS. FOR ALL OTHER CONTACT.
 - LLCR:
 - VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
 - SHIELD: 50mΩ/MAX.
 - LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
 - INSULATION RESISTANCE: 100MΩ MIN
 - DIELECTRIC WITHSTAND VOLTAGE, AC 100V FOR 1 MINUTE.
- ENVIRONMENTAL PERFORMANCE:
 - OPERATING TEMPERATURE: -25°C~+85°C.
 - 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	B6	SUB2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SEU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND

PART NO.: SEE THE PART NUMBER CODE		深圳市纬域科技有限公司 SHENZHEN WITAREA TECHNOLOGY CO., LTD		DRAWN BY ANDY YANG	DATE 2022.01.23
GENERAL TOLERANCES (UNLESS SPECIFIED)		TITLE TYPE C 2.0 16PIN RECEPTACLE, TOP-MOUNT, SINGLE ROW SMT, WITH BRACKET, CH=3.5MM, L=8MM		CHECKED BY JAMES XIAO	DATE 2022.01.23
QUALITY SYMBOL		DWG. NO. W0026-16-TM1-S11		APPROVED BY JASON ZENG	DATE 2022.01.23
X.XXXXX X.XXX X.XX X.X ANGULAR		SHEET NO. 1 OF 1		THIRD ANGLE PROJECTION	
		DIMENSION STYLE MM ONLY		SCALE 1:1	
		DESIGN UNITS METRIC		frame size: A4	

