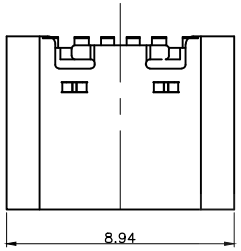
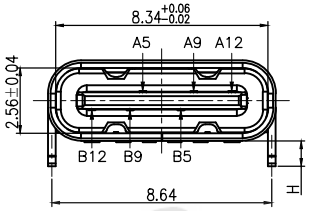
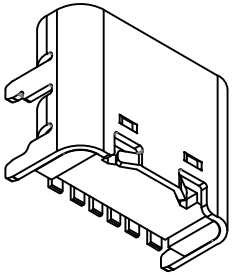
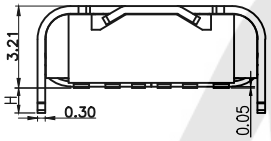
TYPE-C-M	REAC/ROHS

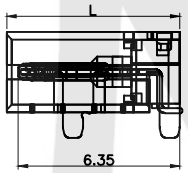
REV	ECN NO	DESRIPTION	DESIGN	APPROVAL	DATE
A1	NEW	Replace frame			2018.06.12

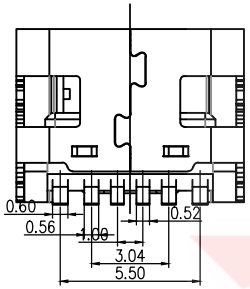


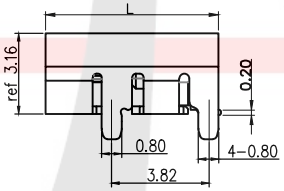


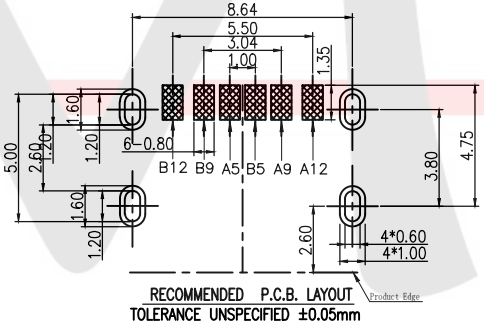












RECOMMENDED P.C.B. LAYOUT
TOLERANCE UNSPECIFIED ±0.05mm

NOTE:
1.MATERIAL SPECIFICATION:
1-1.CONTACTS:COPPER ALLOY
1-2.MID PLATE: 304 STAINLESS STEEL
1-3.FRONT SHELL: 304 STAINLESS STEEL
2.PLATING SPECIFICATION:
2-1.CONTACTS:Ni 80-120u" MIN. .UNDER PLATED OVER ALL.
PALLADIUM-GOLD PLATINGP ON THE FUNCTIONAL AREA OF CONTACT（1u"）.
PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N
2-2.FRONT SHELL:SEE TABLE1.
2-3.SHIELD PLATE&EMI PLATE:CLEAR ONLY
3.MECHANICAL PERFORMANCE,
3-1.INSERTION FORCE: 0.5~2.0kgf.
3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.
3-3.DURABILITY: 10000 CYCLES.
4.ELECTRICAL PERFORMANCE,
4-1. CURRENT RATING:3.0A
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.

MTKE P 06 WD ** WL N G1N
Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ

A.Series: TYPE-C 3.1.
B.Performance: Conventional type.
C.Contact pins: 6 PIN.
D.Mounting method: Horizontal.
E.Mold code: 9A = L6.5, 9B = L6.8(Contact is brass plated with palladium gold).
F.Fixing method: Four-pin plug-in on the board.
G.Interface type: Borderless.
H.Material: Shell is stainless steel plated with nickel (SUS304)

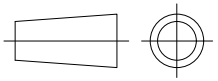
PIN ASSIGNMENTS

A5	CC1	B12	GND
A9	VBUS	B9	VBUS
A12	GND	B5	CC2
PIN	SIGNAL NAME	PIN	SIGNAL NAME

L	L =6.8	H	H =1.0
L	L =6.5	H	H =0.6

ITEM	DESCRIPTION	MATERIAL	QTY	FINSH/COLOR					
E	塑胶	LCP	1	黑色				GENERAL TOLERANCE	
D	引脚	铜合金	1	镀 钯 金 1U				≥0~2<	±0.15
C	触点	铜合金	1	镀 钯 金 1U	DESIGN	WANGGUIFA	2018.06.12	≥2~5<	±0.25
B	中板	精钢SUS304	1	镀 镍 80-120U	CHECKED	ZHENGUILAN	2018.06.12	≥0~2<	±0.15
A	外壳	精钢SUS304	1	镀 镍 80-120U	APPROVED	LILIANJIANG	2018.06.14	≥5	±0.35

FIRST VIEW



SCALE	1:1	UNIT	mm

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SAMZO COMPONENTS
CONNECTOR PARTS MANUFACTURER

TITLE:: TYPE-C 6Pin 6.5/6.8MM 板上型（镀钯金）
DWG NO：MTKE-P351001
PART NO：MTKEP-JP09001
MODEL NO：MTKEP06WD-**-WLNG1N
NAME：TYPE-C CONN