

1 2 3 4 5 6 7 8

A

A

B

B

C

C

D

D

E

E

F

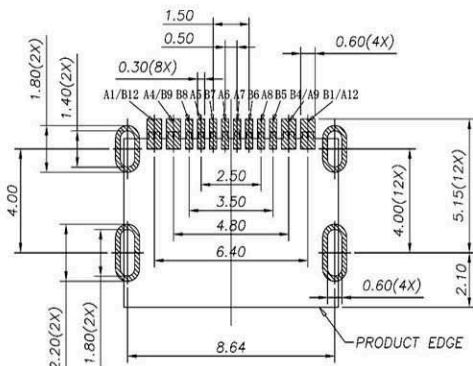
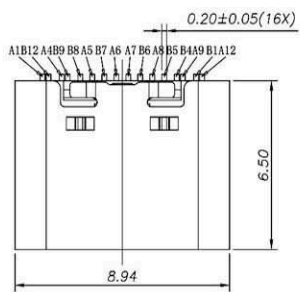
F

G

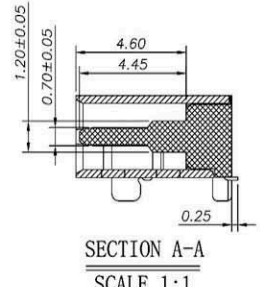
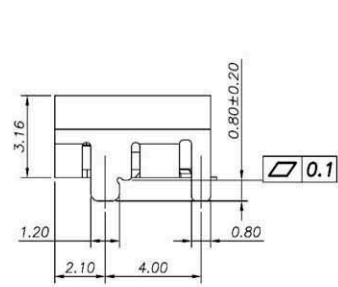
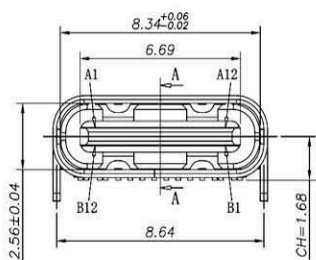
G

H

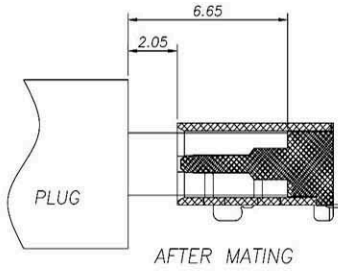
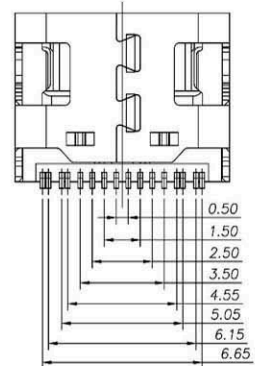
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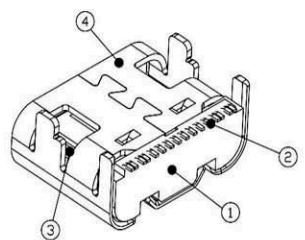
RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 0.60MM;DEFAULT TOLERANCE:±0.05



SECTION A-A
SCALE 1:1



AFTER MATING



USB TYPE C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SUB2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND

NOTE:

- MATERIAL SPECIFICATION:
 - HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC ,UL94 V-0.
 - CONTACTS:COPPER ALLOY
 - MID PLATE: STAINLESS STEEL SUS301
 - FRONT SHELL: STAINLESS STEEL SUS304
- PLATING SPECIFICATION:
 - CONTACTS:
 - Ni 50u" MIN. UNDER PLATED OVER ALL.
 - Au PLATED ON THE FUNCTIONAL AREA OF CONTACT. (GOLD PLATING THICKNESS FOLLOW THE P/N)
 - PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N
 - FRONT SHELL:
 - Ni 30u" MIN. UNDER PLATED OVER ALL.
 - MID PLATE:
 - CLEAR ONLY
- MECHANICAL PERFORMANCE,
 - INSERTION FORCE: 0.5~2.0kgf.
 - REMOVAL FORCE: 0.8kgf~2.0kgf.
 - DURABILITY: 10000 CYCLES.
- ELECTRICAL PERFORMANCE,
 - CURRENT RATING:5.0A
VOLTAGE RATING:5.0V
 - 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.

<p>RoHS Compliant</p>		<p>HSM 玄茂科技股份有限公司 HSUAN MAO TECHNOLOGY CO., LTD.</p>	
<p>APPD. 核准</p>		<p>TOLERANCE 容許公差</p>	<p>PART NAME 品名</p>
<p>DWG. 製圖</p>	<p>SCALE 比例</p>	<p>0 ± 0.35 .00 ± 0.25 ANG. ± 5°</p>	<p>USB CONNECTOR TYPE C 16P FEMALE PIN FOOT:SMT TYPE NICKEL SHELL:DIP TYPE WITHOUT LOCATING PEG GOLD FLASH PLATING REEL PACKING BLACK COLOR</p>
<p>DATE 制表日</p>	<p>UNIT 單位</p>	<p>MM</p>	<p>ROHS</p>
<p>2023/3/27</p>	<p>PAGE 張數</p>	<p>1 OF 1</p>	<p>PART NO. 料號</p>
			<p>C8685-16CFGNBRR</p>

1 2 3 4 5 6 7 8