

NOTES:

- MATERIAL: SEE "TABLE 1";
- FINISH: SEE "TABLE 1";
- ELECTRICAL :
  - CONTACT CURRENT RATING :  
5A(VBUS PIN 1.5A/PIN),  
5A(GND PIN 1.25A/PIN MAX),0.25A/PIN(OTHER PIN).
  - INSULATION RESISTANCE :  
100 MEGAOHMS MIN. AT 100VDC.
  - DIELECTRIC WITHSTANDING VOLTAGE :  
100VAC MIN.
  - LOW LEVEL CONTACT RESISTANCE :  
INITIAL 40mΩ MAX.  
AFTER 50mΩ MAX.
- MECHANICAL CHARACTERISTICS :
  - MATING FORCE: 5~20N;
  - UNMATING FORCE: 8~20N(INITIAL),6~20N(AFTER 10000 CYCLES);
  - DURABILITY : 10,000 MATING CYCLES.
  - OPERATING TEMPERATURE : -40°C TO +80°C
- WATERPROOF: IP-67.

TABLE 1:

NO.	PART NAME	QTY	MATERIAL	DESCRIPTION	REMARK
⑨	Waterproof Ring	1	SILICA GEL	BLACK;	
⑧	GLUE WATER	1	EPOXY	BLACK;	
⑦	Shell-2	1	Stainless steel SUS304	50u"Ni Min.	T=0.20mm
⑥	Shell-1	1	Stainless steel SUS304	50u"Ni Min.	T=0.20mm
⑤	GND PLATE	1	Stainless steel SUS301	No Plating	T=0.10mm
④	MID PLATE	1	Stainless steel SUS301		T=0.15mm
③	Terminal-B	12	COPPER ALLOY C18400	Au/50u"Ni Min.	T=0.12mm
②	Terminal-A	12			T=0.12mm
①	Housing	1	HIGH TEMP PA9T	Black	

RoHS  
Compliant

**HSM** 玄茂科技股份有限公司  
HSUAN MAO TECHNOLOGY CO., LTD.

APPD. 核准 HELEN  
DWG. 製圖 ABBY  
DATE 制表日 2022/03/21

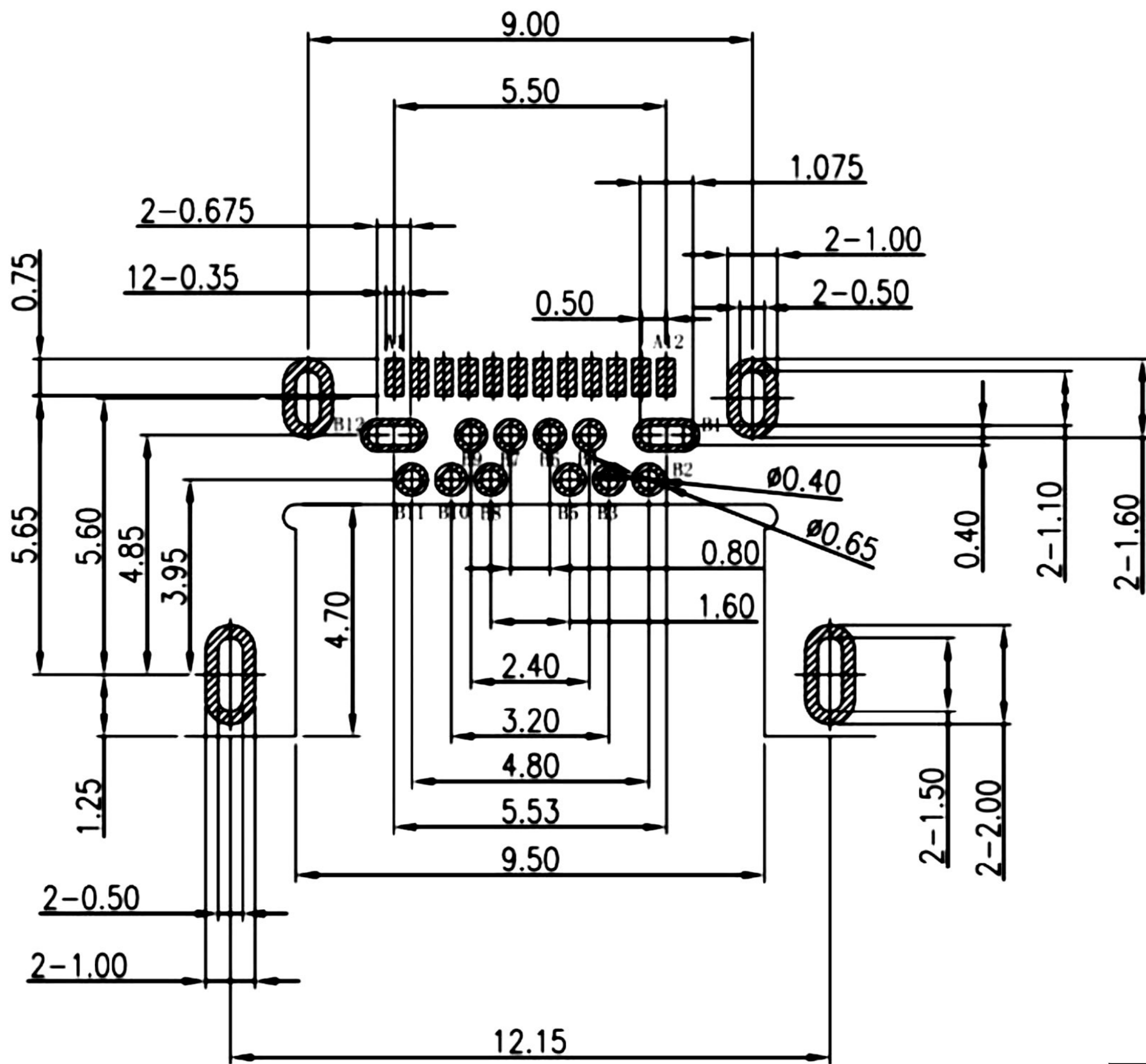
SCALE 比例 參考  
UNIT 單位 MM  
PAGE 張數 1 OF 2

TOLERANCE  
.X±0.35  
.XX±0.25  
.XXX±0.10  
ANGLES:±3°  
SIZE. 紙張尺寸 A4  
REV. 版次 A

PART NAME 品名  
USB3.1 TYPE C IP-67 WATERPROOF TYPE 24PIN FEMALE  
PIN FOOT:DIP+SMT TYPE NICEKL SHELL:DIP TYPE  
GOLD FLASH PLATING BLACK COLOR  
REEL PACKING ROHS

PART NO.  
料號 C8678-24CFGBR0R





RECOMMENDED P.C.B LAYOUT(Both sides are sample)

## ASSIGNMENT

Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A2	SSTXp1	Second	B11	SSRXp1	Second
A3	SSTXn1	Second	B10	SSRXn1	Second
A4	V <sub>BUS</sub>	First	B9	V <sub>BUS</sub>	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	V <sub>BUS</sub>	First	B4	V <sub>BUS</sub>	First
A10	SSRXn2	Second	B3	SSTXn2	Second
A11	SSRXp2	Second	B2	SSTXp2	Second
A12	GND	First	B1	GND	First
SHELL		GND	SHELL		GND

RoHS  
Compliant

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SCALE 比例 參考  
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