

NOTE:

1.ELECTRICAL CHARACTERISTICS;

1.1 CONTACT RESISTANCE: 40mΩ Max FOR INITIAL. 50mΩ CHANGE AFTER TEST. MEASURE AT 20mV, 100mA.

1.2 CONTACT CURRENT RATING: 5A FOR VBUS PIN; 1.25A FOR VCONN PIN.

1.3 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S.

1.4 INSULATION RESISTANCE 100MΩ Min

1.5 OPERATING TEMPERATURE: -40°C ° 85°C

2.MECHANICAL CHARACTERISTICS:

2.1 MATING FORCE: 5~20 N.

2.2 UNMATED FORCE: 8~20N AFTER TEST

2.3 DURABILITY: 10,000 CYCLES

5	Shell 1	1	COPPER ALLOY	T=0.15mm	Nickel Plated
4	Shell 2	1	SUS	--	No Plated
3	GND LATCH	1	SUS	T=0.35mm	Solder area: Tin Plated
2	Contact	24	COPPER ALLOY	T=0.15mm	Contact area:0~30u"min. Gold Plated over 50u"Nickel min. Solder area:80u"min. Tin Plated over 50u" Nickel min.
1	Housing	3	THERMOPLASTIC	UL 94-V0	Black
No.	Name	Q'ty	Material	Remarks & Thickness	Finish

RoHS Compliant

TOLERANCES ARE

MORETHANALL
PCB CONNECTORS
Cable ASSEMBLIES

煜倫股份有限公司

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DRAWING BY CY

CHECKED BY GENIUS

UNIT / mm

SCALE 1 : 1

DATE

SIZE A4

X, ±
.X ± 0.30
.XX ± 0.20
.XXX ± 0.10
ANG ± 1°

PJECTION

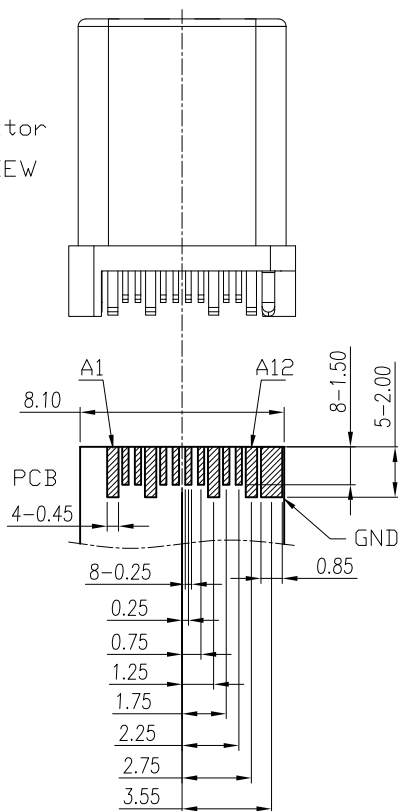
照片框

ORDER INFORMATION

USB-PE09-24C-LF
SERIES | LEADFREE
24 PIN C TYPE
EDGE 0.9mm
MALE

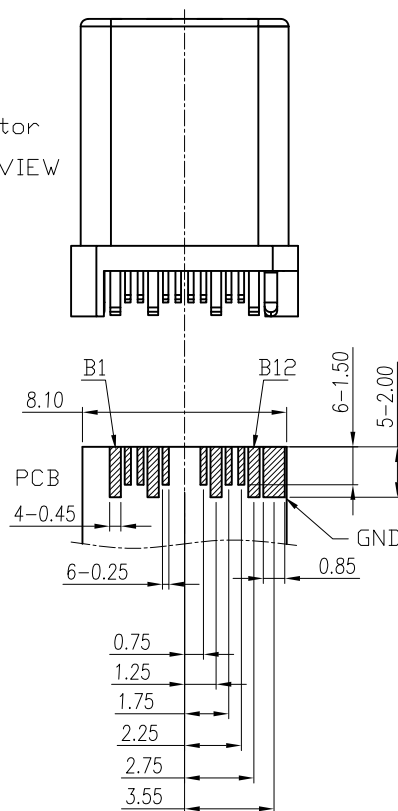
DESCRIPTION: USB3.1-C TYPE(M)180°類(11.8mm)

Connector
TOP VIEW



RECOMMEND PCB LAYOUT
TOP VIEW

Connector
BOTTOM VIEW



RECOMMEND PCB LAYOUT
BOTTOM VIEW

Pin Assignments

Pin No	Signal Name	Signal Name	Pin No
A1	GND	GND	B12
A2	TX1+	RX1+	B11
A3	TX1-	RX1-	B10
A4	Vbus	Vbus	B9
A5	CC	SBU2	B8
A6	D+		B7
A7	D-		B6
A8	SBU1	Vconn	B5
A9	Vbus	Vbus	B4
A10	RX2-	TX2-	B3
A11	RX2+	TX2+	B2
A12	GND	GND	B1

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