

RoHS Compliant

TOLERANCES ARE

MORETHANALL
PCB CONNECTORS
Cable ASSEMBLIES

DRAWING BY CY

X.±

CHECKED BY GENIUS

.X±

UNIT / mm

SCALE 1 : 1

.XX±

DATE

.XXX±

ANG±

煜倫股份有限公司

www.morethanall.com

SIZE A4

PJECTION

照片框

ORDER INFORMATION

USB1-FRFXBL-9A-LF

SERIES

LEADFREE

9 PIN A TYPE

BLUE

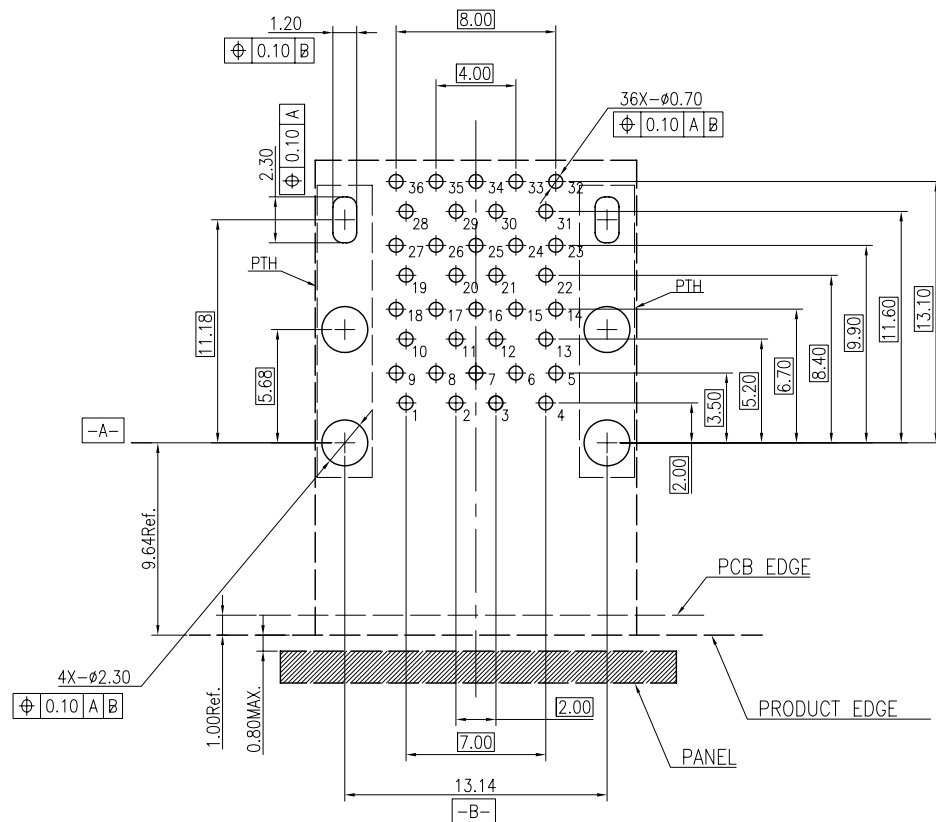
NO CURLING

NON SPRING

DIP 90°

FEMALE

DESCRIPTION:



RECOMMENDED PCB LAYOUT
TOL.:±0.05 SCALE 2:1
(PCB THICKNESS 1.60mm)

USB3.0 Pin Assignments

Pin Number	Signal Name	Pin Number	Signal Name
11.21.31.41	VBUS	15.25.35.45	SSRX-
12.22.32.42	D-	16.26.36.46	SSRX+
13.23.33.43	D+	17.27.37.47	GND
14.24.34.44	GND	18.28.38.48	SSTX-
Shell	SHIELD	19.29.39.49	SSTX+

NOTES:

- MATERIAL:
 - 1-1.HOUSING:HIGH TEMPERATURE THERMOPLASTIC
 - 2-2.CONTACTS&SHELL:COPPER ALLOY&STAINLESS STEEL
- FINISH:
 - 2-1.CONTACT:NICKEL PLATING OVER ALL.
Au(SEE TABLE) ON CONTACT AREA.
MATTED Sn ON SOLDER AREA.
 - 2-2.SHELL:NICKEL PLATING OVER ALL;TON ON SOLDER AREA.
- MECHANICAL PERFORMANCE:
 - 3-1.INSERTION FORCE:3.5Kg/f MAX. RATE OF 12.5MM/MIN.
 - 3-2.REMOVAL FORCE:1.0Kg/f MIN. INITIAL AND 0.8Kg/f
AFER DURABILITY CYCLES
 - 3-3.DURABILITY:1500CYCLES MIN.
- LLCR ELECTRICAL PERFORMANCE:
 - 4-1.CURRENT RATING:
VBUS &GND PINS: 1.8A/PIN.OTHER PINS: 0.25A/PIN.
 - 4-2.LLCR:
VBUS &GND PINS: INITIAL 30 mΩ MAX.
OTHER PINS: INITIAL 50 mΩ MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
 - 4-3.INSULATION RESISTANCE: 100MΩ MIN.
 - 4-4.DIELECTRIC WITHSTAND VOLTAGE: AC 500V FOR 1 MINUTE.
- RECOMMENDED PROCESS:WAVE SOLDER 260°C,3~5 SECONDS.
- 6.RoHS COMPLIANT.

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