



RoHS
Compliant
2011/65/EU



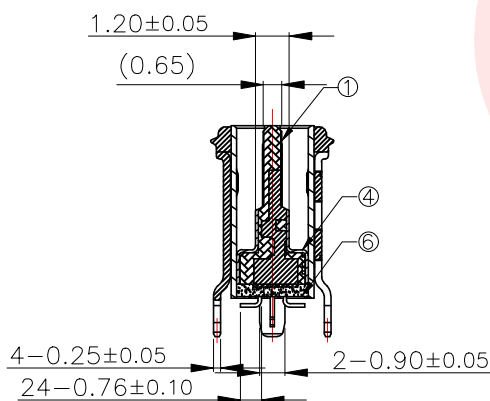
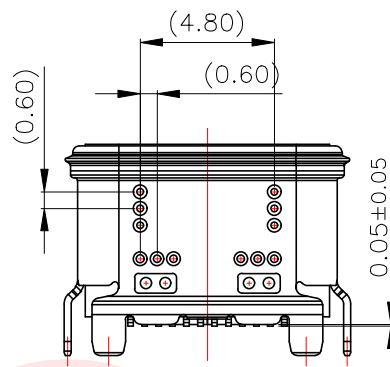
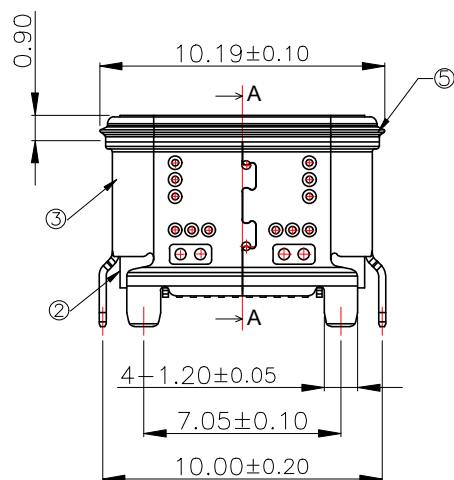
Compliant
Halogen Free



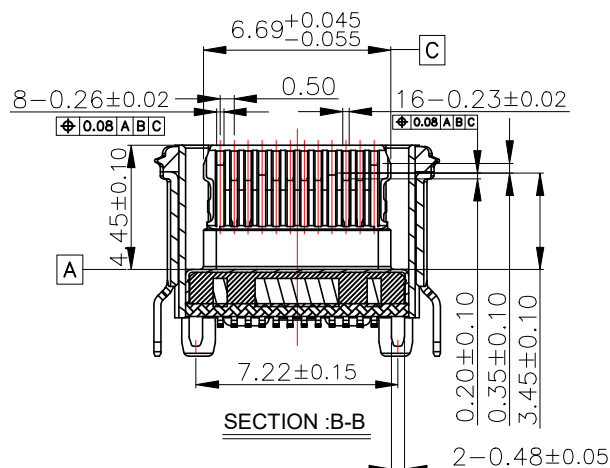
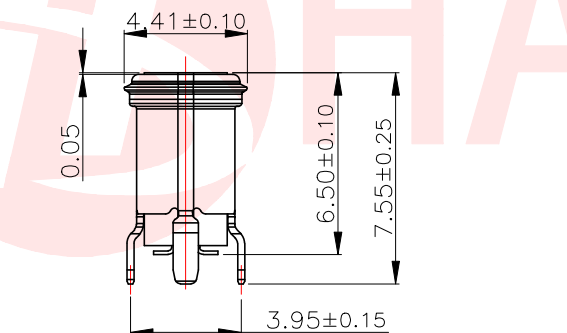
REV.	ECN NO OR DESCRIPTION	REVISED	DATE

SPECIFICATION:

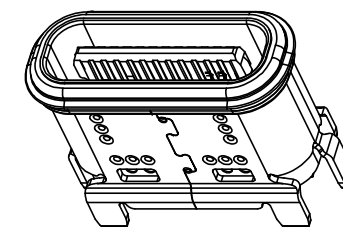
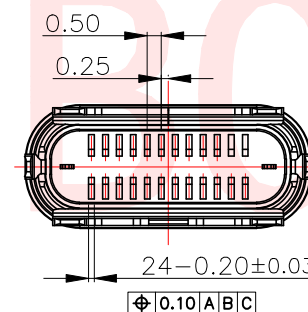
- Material & Finish: See the list
- Mechanical:
 - Mating force: 5-20N
 - Unmating force: Initial: 8-20N; Final: 6-20N
 - Durability: 10000 Cycles
- Electrical:
 - Current Rating:
VBus Pins: 3A, Vconn Pin: 1.25A, Other Pins: 0.25A
 - Voltage Rating: 30V Max.;
 - Dielectric Withstanding voltage: 100Vac, 60S, 10mA
 - Contact resistance: 40m Ohms Max.;
 - Insulation Resistance: 100M Ohms Min.
- Environmental:
 - Operating temperature: -40°C ~ +85°C;
 - Salt Spray Test: 48H Min. (No oxidation or rust)
 - Wetting Temperature: 265±5°C, 5±0.5s
 - Waterproof Level: IPX8



SECTION :A-A



SECTION :B-B



3D VIEW

USB TYPE C 24 PIN 立贴防水母座, H=6.50mm

6	GLUE	EPOXY RESIN	COLOR: BLACK	g
5	LIM_RING	SLILICA GEL	NA	1 PCS
4	EMC	SUS 316L, T=0.12mm	CLEAN	1 PCS
3	OUT SHELL	SUS 304-H, T=0.25mm	50u" NICKEL PLATED	1 PCS
2	INNER SHELL	SUS 316L, T=0.20mm	NO PLATING	1 PCS
1	INSERT MD	MID PLATE, SUS 301-3/4H, T=0.15mm	NO PLATING	
		CONTACT: C7025-TM03	AU/NICKEL PLATED	SET
		PLASTIC: PA46	COLOR: BLACK, UL94V_0	
NO.	NAME	MATERIAL	REMARKS	QTY

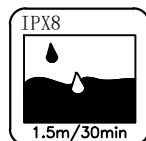
UNLESS OTHERWISE
SPECIFIED TOLERANCES

DECIMALS: ANGLES:
X :±0.30 X :±2°
X.X :±0.20 X.X :±1°
X.XX :±0.10

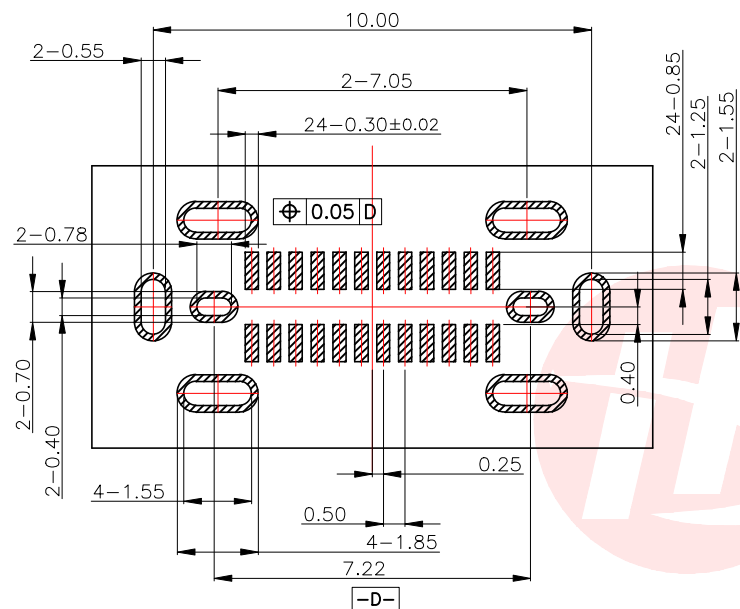


东莞市汉博电子科技有限公司
DONGGUAN HANBO TECHNOLOGY CO., LTD

TITLE	USB TYPE C 24PIN 立贴防水母座 IPX8 H=6.50			
DWN	xiong	PART NO. MC-250FLS		
CHKD	lee	SCALE:1:1	UNIT: mm	
APVD	wang	SIZE: A4	SHEET:1OF 1	
CUSTOMER COPY				



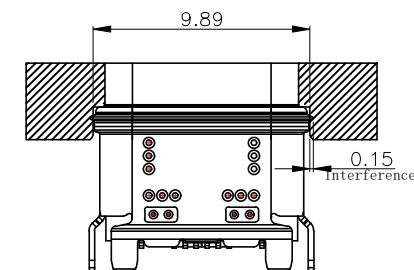
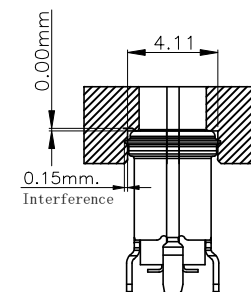
REV.	ECN NO OR DESCRIPTION	REVISED	DATE



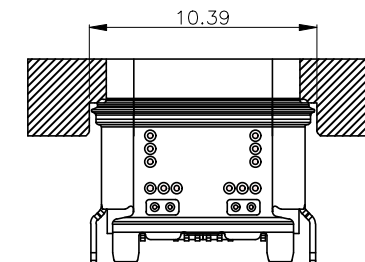
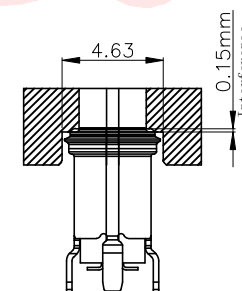
RECOMMENDED PCB LAYOUT (SCALE 2:1)
TOLERANCE UNSPECIFIED $\pm 0.05\text{mm}$

USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS

PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTxp1	Positive half of first SuperSpeed TX differential pair	B11	SSRXp1	Positive half of first SuperSpeed RX differential pair
A3	SSTXn1	Negative half of first SuperSpeed TX differential pair	B10	SSRXn1	Negative half of first SuperSpeed RX differential pair
A4	Vbus	Bus Power	B9	Vbus	Bus Power
A5	CC1	Configuration Channel	B8	SBP2	Sideband Use (SB0)
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dn2	Negative half of the USB 2.0 differential pair-Position 2
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2
A8	SB01	Sideband Use (SB0)	B5	CC2	Configuration Channel
A9	Vbus	Bus Power	B4	Vbus	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	B3	SSTXn2	Negative half of second SuperSpeed TX differential pair
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair	B2	SSTXp2	Positive half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return



RECOMMENDED CAVITY "2" SIZE



RECOMMENDED CAVITY "1" SIZE

UNLESS OTHERWISE
SPECIFIED TOLERANCES

DECIMALS:		ANGLES:	
X	:±0.30	X	:±2°
X.X	:±0.20	X.X	:±1°
X.XX	:±0.10		



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CHKD	lee	SCALE:1:1	UNIT: mm	
APVD	wang	SIZE: A4	SHEET:1OF 1	REV: A4

CUSTOMER COPY