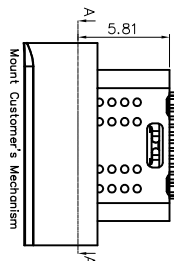
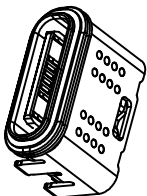
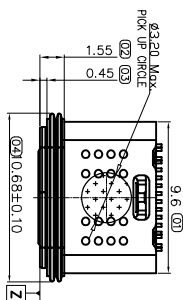
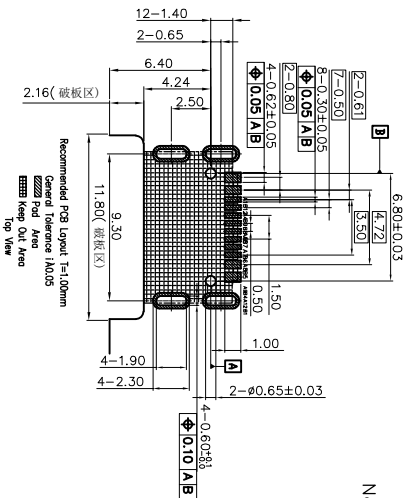
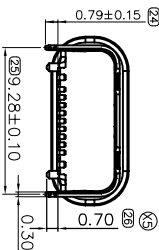
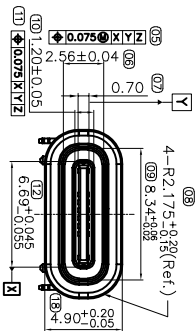


REV.	ECN NO.	DESCRIPTION	DATE	DESIGN

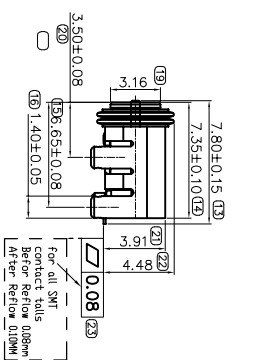


Mount Customer's Mechanism

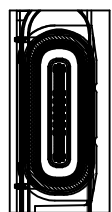
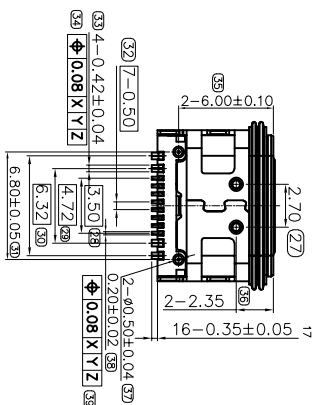


Recommended PCB Layout 1=100mm
General Tolerance: M0.05
Hole Dia: 0.4mm
Hole Depth: 0.4mm
Top View

- Note:
- Material:
 - Housing: Thermoplastic UL94-V0, Colour: Black.
 - Terminal: Copper alloy, Contact: See table A.
 - Shell & Solder: SUS, Plating: Ni.
 - Electrical Characteristics:
 - Rating: GND: 5A, VBUS Total: 5A;
 - Contact resistance: 40mΩMax; After test add 10 mΩMax.
 - Electric Strength test: 500VAC, 0.1S, 0.5mA;
 - Insulation test: 500VDC, 0.1S, 100M Ω.
 - Mechanical properties:
 - Mating force: 3~20N;
 - Unmating force: 8~20N(Initial), 6~20N(After Durability);
 - Testing Speed: 200±50 Times/H, Test: 10000 times;
 - Environmental Characteristics: Oper. Temp.: -55°C ~ +85°C;
 - Waterproof Rate: IPX4
 - Restriction of Hazardous Substances: Components be RoHS and HF compliant.



For all SMT
contact tails
Before Reflow 0.08mm
After Reflow 0.10mm



SECTION A-A
SCALE 1:1




PIN DEFINE:

Pin	Signal	Description	Mating Sequence	Pin	Signal	Description	Mating Sequence
A1	VBUS	Ground return	First	A12	VBUS	Ground return	First
A4	VBUS	Configuration	First	B9	VBUS	Bus Power	First
A5	CA1	Channel	Second	B8	SB1/2	Sideband Wake(SBU)	Second
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	Second	B7	Dn2	Negative half of the USB 2.0 differential pair-Position 2	Second
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	Second	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2	Second
A8	SB1/1	Sideband Wake(SBU)	Second	B5	CC2	Configuration Channel	Second
A9	VBUS	Bus Power	First	B4	VBUS	Bus Power	First
A12	GND	Ground return	First	A11	GND	Ground return	First

ITEM	PART NAME	MATERIAL	REMARK
10	GLUE	MT785	WHITE
9	Silicone rubber	RBB	RED
8	Silicone rubber	RBB	BLACK
7	Outer-shell	SUS304	Underplated: Ni 30u"Min.
6	Inner-shell	SUS304	Underplated: Ni 30u"Min.
5	2M	PA Black	UL94V-0
4	1M	PA Black	UL94V-0
3	Mid-plate	SUS301	Cleaned
2	Low contact	Copper Alloy	Underplated: Ni 50u"Min. Contact area: Au3u"Min.
1	Upper contact	Copper Alloy	Solder tail: Au1min.

TOLERANCE		NAME(INTENDED USE)	
XX ±0.30	X' ±10°	PART NO.	CUSTOMER DRAWING
.XX ±0.20	.X' ±8°	FY23-13TC161F4735	
.XXX ±0.10	.XX' ±5°	DESIGN:	ZXM
UNITS	mm	DRAWG NO.	
MATERIAL	----	CHED:	
FINISH	-----	APPD:	



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Shandong FUYOU Precision Electronic Technology Co., Ltd.

TITLE: TYPE C -16P防水母座立贴7.85

SCALE 1:1

SHEET 1/2

REV. A