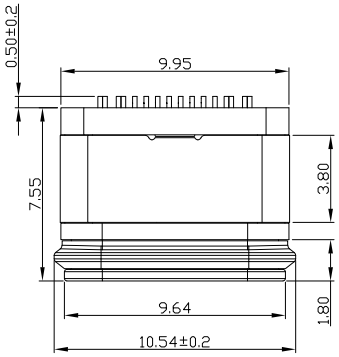
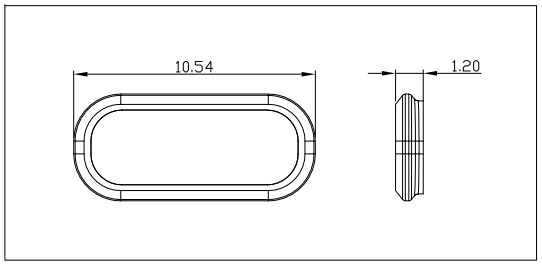
REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			NEW RELEASE	10/31'25	Sun

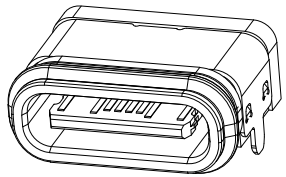
CUSTOMER DRAWING

RoHS Compliant





3D VIEW



ORDERING INFORMATION

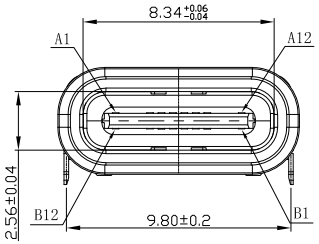
MCCF - W1Y1A (XX T)

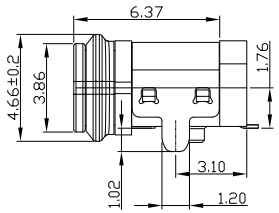
1 2 3

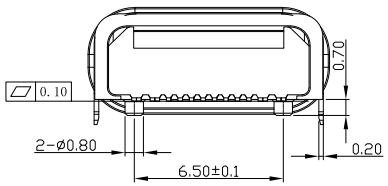
1 *PRODUCT SERIES:*
USB C TYPE connector – Receptacle (Female) side.

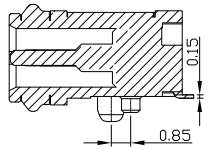
2 *ITEM NO.:*
Right Angle– Single Row SMD 16pin
Body 7.55L/ Waterproof IPX7

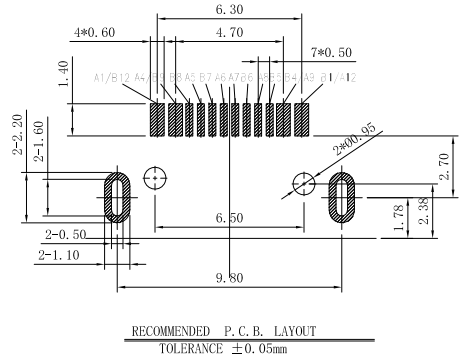
3 *GOLD PLATING :*
01: G/F.



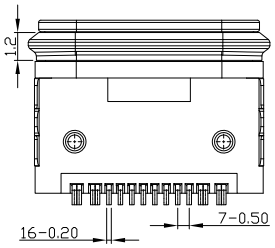


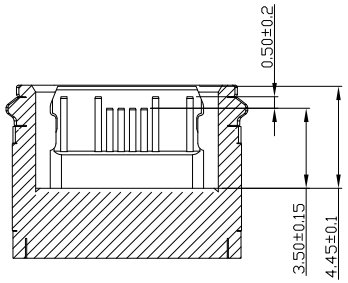


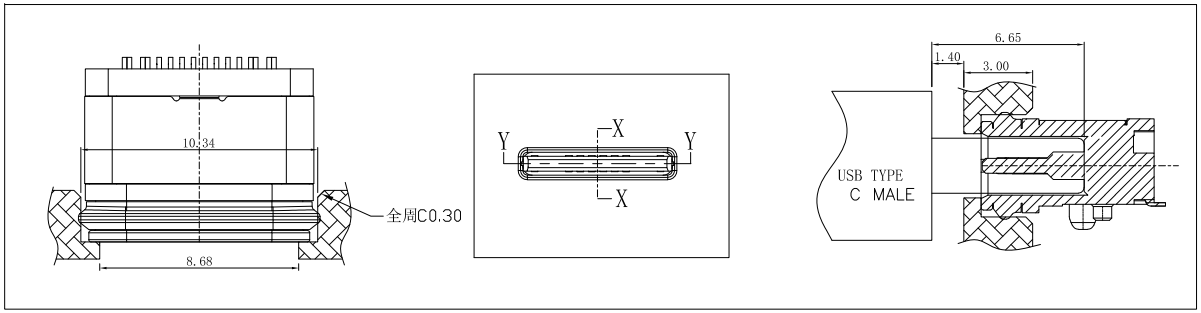




RECOMMENDED P.C.B. LAYOUT
TOLERANCE ±0.05mm







NOTES:

1. Material:
   1-1. Housing: High Temp, UL94 V-0, Black color.
   1-2. Contact: Copper Alloy.
   1-3. Mid Plate: Stainless Steel.
   1-4. Shell: Stainless Steel.
   1-5. Waterproof Ring: Silicon.
2. Plating:
   2-1. Contacts: Gold on contact area over Nickel. under plated over all.
   2-2. Shell: Nickel under plated over all.
   2-3. Mid Plate: Clear only.
3. Mechanical performance:
   3-1. Insertion force: 5~20N.
   3-2. Removal force: 8~20N
   3-3. Durability: 10,000 cycles.
4. Electrical performance:
   4-1. Current rating: 5.0A MAX.
   4-2. Voltage:20V MAX
   4-2. Withstanding Voltage: 100V AC
5. Environmental performance:
   5-1. Operation temperature: -40° C~+85° C.
6. Waterproof performance: IPX7.

PIN ASSIGNMENT

PIN NO.	A1&B12	A4&B9	B8	A5	B7	A6	A7	B6	A8	B5	A9&B4	A12&B1
SINGAL NAME	GND	VBUS	SBU2	CC1	DN2	DP1	DN1	DP2	SBU1	CC2	VBUS	GND

DIM	TOL	DIM	TOL
X.X	±0.30	X.X°	±3.0°
X.XX	±0.20	X.XX°	±2.0°
X.XXX	±0.10	X.XXX°	±1.0°

SUNFUN	SUNFUN TECHNOLOGY LTD		
DRAW NO.	MCCF-W1Y1A(A0)	DATE	MATERIAL: SEE NOTES
DESIGN:	Sun	10/31'25	FINISH: SEE NOTES
CHECK:	Sun	10/31'25	FILE: MCCF-W1Y1A(A0)
REVIEW:	Jeff	10/31'25	P/N: MCCF-W1Y1A(XXT)
APPROVED	Jeff	10/31'25	REV. A0

DRAW NAME: *USB C Type CONN – FEMALE Right Angle/ Single Row SMD 16pin / Body 7.55L/ Waterproof IPX7*

MODEL: USB C TYPE CONN

UNIT: mm | SHEET: 1/1 | SCALE