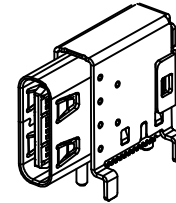
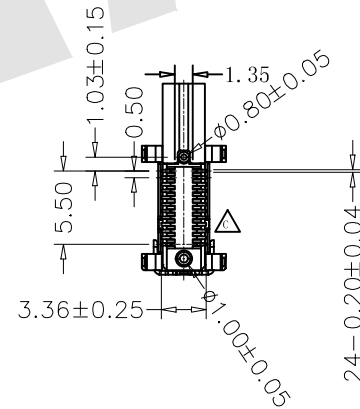
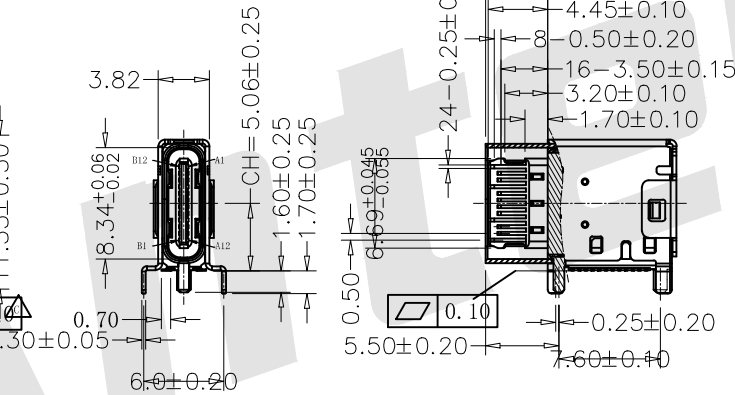
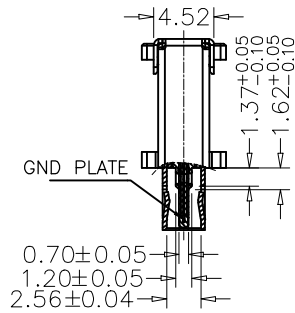
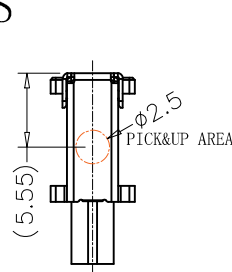


RECOMMENDED P.C.B LAYOUT
TOLERANCE $\pm 0.05\text{mm}$ (TOP VIEW)

PIN ASSIGNMENT:

PIN	Signal Name	PIN	Signal Name
A1	GND	B12	GND
A2	SSTXp1	B11	SSRXp1
A3	SSTXn1	B10	SSRXn1
A4	Vbus	B9	Vbus
A5	CC1	B8	SBU2
A6	Dp1	B7	DN2
A7	Dn1	B6	DP2
A8	SBU1	B5	CC2
A9	Vbus	B4	Vbus
A10	SSRXn2	B3	SSTXn2
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND



MATERIALS

- HOUSING : LCP (UL 94V-0), BLACK.
- TERMINAL : COPPER ALLOY,
GOLD PLATED ON CONTACT AREA,
GOLD FLASH PLATING ON SOLDER TAIL,
NICKEL UNDERPLATED OVER ALL.
- MID PLATE : STAINLESS STEEL.
- SHELL : STAINLESS STEEL, NICKEL PLATING.

SPECIFICATION

- CURRENT RATING : 5.0A FOR Vbus PIN,
1.25A FOR Vconn PIN,
0.25A FOR OTHER PINS.
- VOLTAGE RATING : 20V DC MAX.
- CONTACT RESISTANCE : $40\text{m}\Omega$.
- INSULATION RESISTANCE : $100\text{M}\Omega$ MIN.
- DIELECTRIC WITHSTANDING VOLTAGE : 100 VAC MIN.
- OPERATING TEMPERATURE : -40°C TO $+85^\circ\text{C}$.
- MATING FORCE : $5\sim 20\text{N}$.
- UNMATING FORCE : $8\sim 20\text{N}$.
- DURABILITY : 10,000 CYCLES.
- RECOMMENDED PROCESS :
THE PEAK TEMPERATURE ON THE BOARD SHALL
MAINTAIN 260°C .

U3. 1FR05 - S - L - X - X - X
① ② ③ ④ ⑤ ⑥

- | | |
|---|---|
| ① Series No: | ⑤ Contact Plating |
| ② Shell Material:
S:stainless steel | G0: Gold flash
G1: 3u" Gold
G2: 5u" Gold
G3: 10u" Gold
G4: 15u" Gold
G5: 30u" Gold |
| ③ Insulator Material:
L:LCP | ⑥ Packing
A:Tray
B:Bag
C:Tube
D:Tape&Reel |
| ④ Contact Material:
B:Brass
P:phosphor copper | |

Unless Otherwise specified tolerance
X. XX: ± 0.20
X. X: ± 0.25 X. XXX: ± 0.15

SCALE: As Shown	UNIT: mm
DRAW ZLA	DATE 02/03/2022
CHECK BobYang	DATE 02/03/2022



Antenk ANTENK ELECTRONICS CO., LTD
Http://www.antenk.com
E-mail:sales@antenk.com

TITLE: USB3.1 TYPE-C 24PIN Female Lateral SMT
Vertical Patch Type With 4 DIP Legs With
Shrapnel L=14.3mm

DRAWING NO: U3. 1FR05-S-L-X-X-X

PRODUCT NO: U3. 1FR05-S-L-X-X-X

REV	DESCRIPTION	DATE