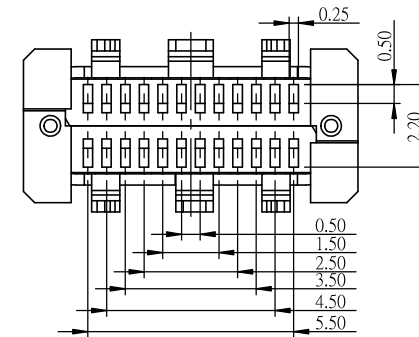
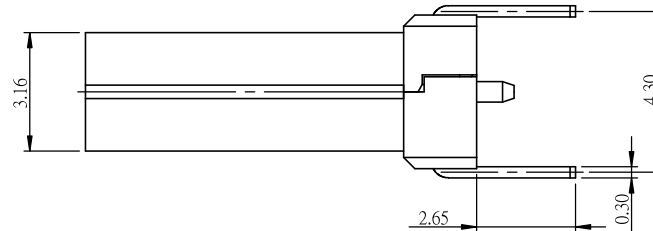
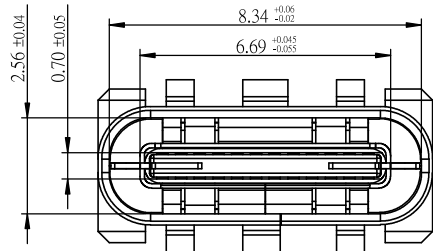
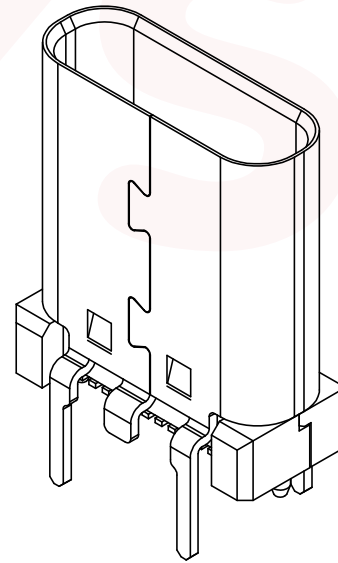
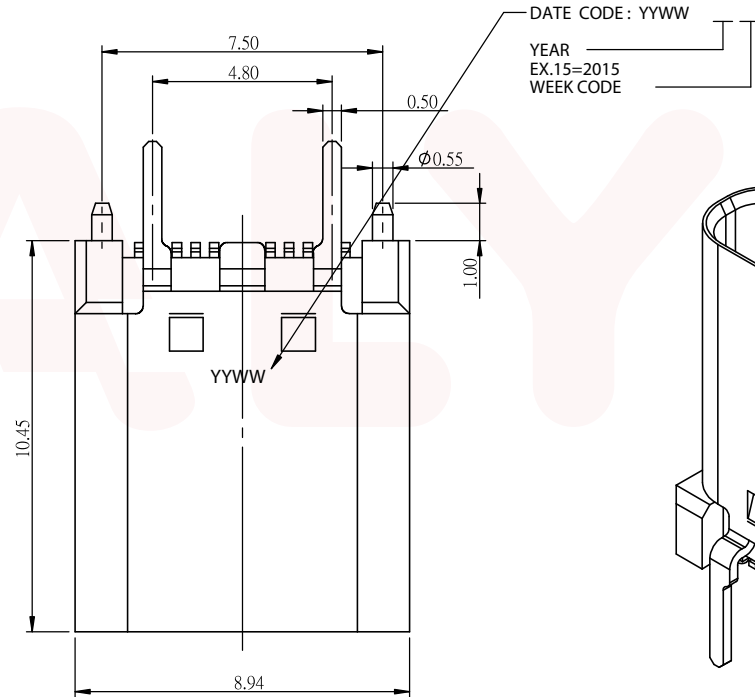


ALYSIUM

EVOLUTIONARY INTERCONNECTS

DRAWING REF: **A46-4835**
 DRAWING REF: USB 3.1 Type C Female Receptacle, Vertical Type
 REVISION: 00 (KH 150512) Initial Issue
 01 (KH 160204) Spec revised
 02 (KH 160609) Spec revised



SPECIFICATION
MATERIAL
 Insulator: Thermoplastic,Black
 Contacts: Copper
 Shell: Stainless Steel
CONTACT PLATING
 Underplate: 80u"Min. Nickel
 Contact area: 30u" Selective gold
 Solder tails area: 100u"~200u" Tin (Lead Free)
ELECTRICAL
 Operation voltage: 20 V
 Current rating: 5 Amps max.
 Insulation resistance: 100 Mohms min @ 100 VDC
 Dielectric withstanding voltage: 100 VAC / minute
 Temperature range: -40°C TO +105°C
 Mating cycles: 10,000 Cycles

- 1.USB Series
- 2.SMT Type
- 3.RoHS (Matte)(Halogen Free)
- 4.CONTACT NUMBER: 24Pins
- 5.CONTACT TYPE: FEMALE (LCP)
- 6.CONTACT AREA PLATING:
30u" GOLD

7. SOLDER TAILS AREA PLATING:
100u"~200u" TIN(Lead Free)
8. APPLY TYPE: Vertical Type
9. SHELL PLATING: Nickel
10. PCB 1.60mm (Solder Tail 2.65)
- 11.PACKING STYLE: Tape Reel + Cap
- 12.INSULATOR COLOR: Black + Date Code

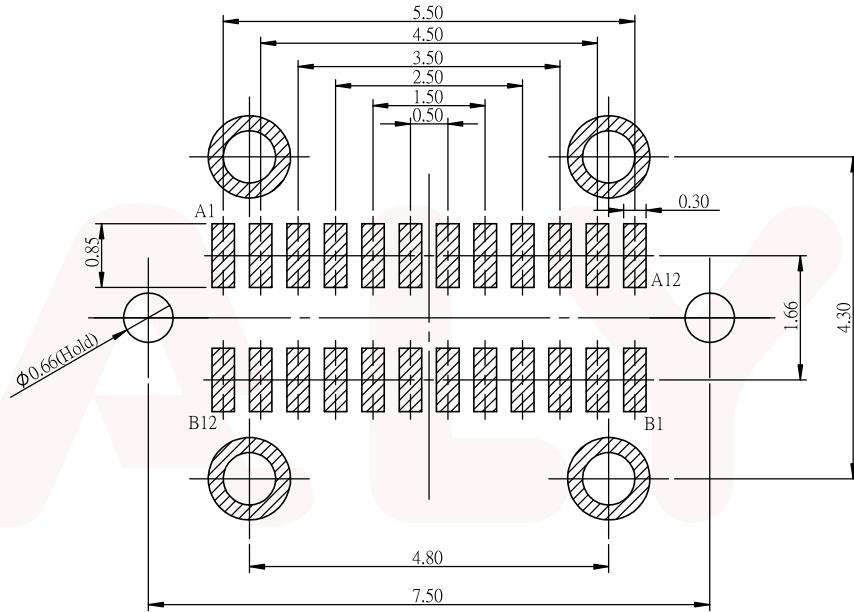
UNLESS OTHERWISE SPECIFIED TOLERANCE

ANG.	±5 °
0.	±0.50
.0	±0.30
.00	±0.20

ALYSIUM

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Recommended PCB LAYOUT
 TOLANCE ± 0.05
 PCB Tickness = 1.60

Pin Number	Signal Name	Pin Number	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

UNLESS OTHERWISE SPECIFIED TOLERANCE
 ANG. $\pm 5^\circ$
 .0 ± 0.50
 .0 ± 0.30
 .00 ± 0.20

