

1 2 3 4 5 6 7 8 9

A

B

C

D

E

F

A

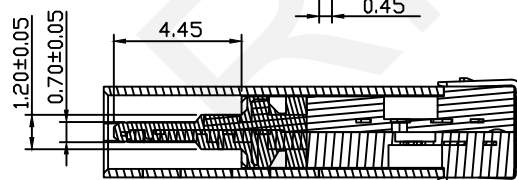
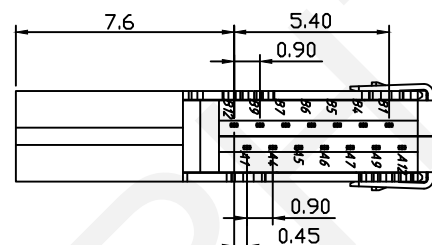
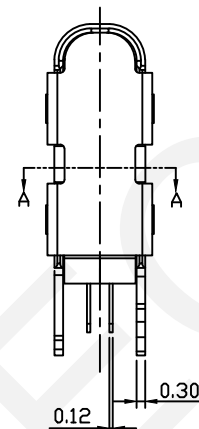
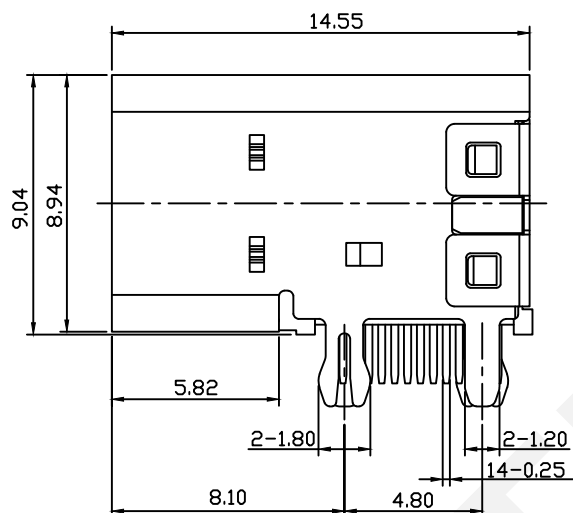
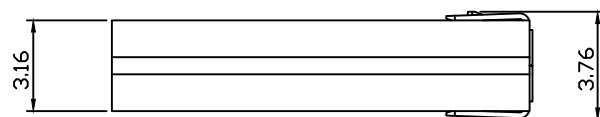
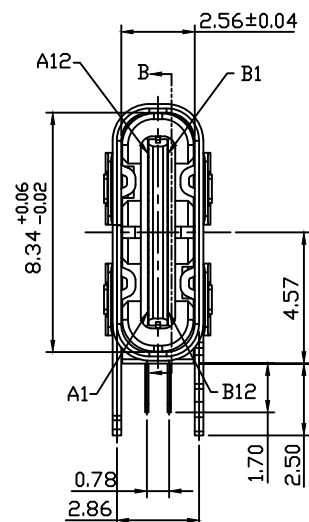
B

C

D

E

F



SECTION A-A

NOTES:

1.Material

1-1.Housing:PA9T,UL94V-0.

1-2.Contacts:Copper Alloy(C18150)

1-3.Mid Plate:Stainless Steel(SUS301)

1-4.Front Shell:Stainless Steel(SUS304)

1-5.EMI Plate:Stainless Steel(SUS304)

2.Plating Specification:

2-1.Contacts:Ni 50u' Min.Under Plated Over All
Au Plated On The Functional Area Of Contact
Tin Plated On The Solder Area

2-2.Front Shell:Ni 30u' Min Under Plated Over All

2-3.MID Plate&EMI plate:Clear Only

3.Mechanical:

3-1.Insertion Force:0.5~2.0kgf

3-2.Removal Force:0.8kgf~2.0kgf

3-3.Durability:10000 Cycles

4.Electrical:

4-1 Voltage Rating:5 VDC/AC(RMS. Max)

Current Rating:5 AMPS. For Total VBUS/GND Pins

1.25AMPS For CC Pin,0.25 AMPS. For All Other Contact

4-2.LLCR:Vbus&GND Pins And Other Pins:40mΩ/Pin Max

LLCR Max.Change Of All Pins:10mΩ

4-3.Insulation Resistance:100MΩ Min

4-4.Dielectric Withstand Voltage:AC 100V For 1 Minute

5.Operating Temperature:-25°C+85°C

6.IR Reflow:The Peak Temperature On The Board Shall Be
Maintained For 10 Seconds At 260°C



NINGBO RHT ELECTRONIC CO.,LTD

UNITS:mm

SHEET SIZE: A4

SCALE:---

DRWN BY PAN

0~3

3~18

18~50

50~120

CHK'D BY FENG

±0.12

±0.15

±0.3

±0.5

APPR BY ZHAN

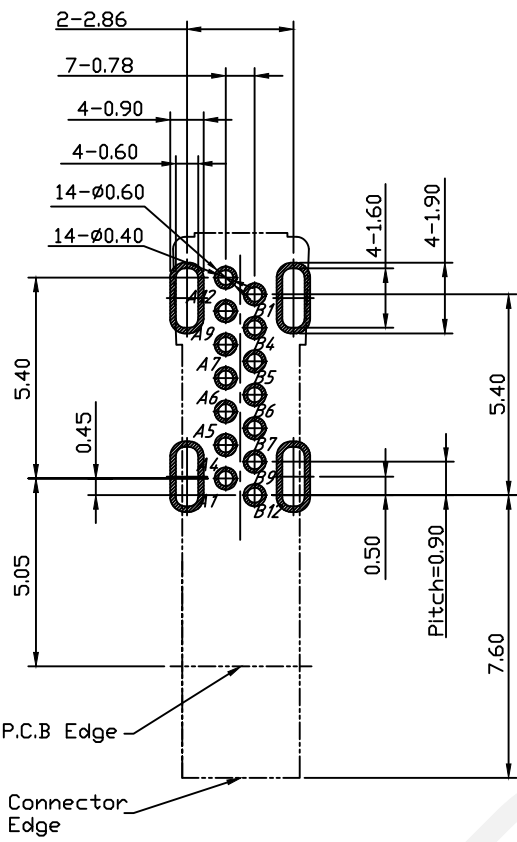
USB Type-C Connector

THIRD ANGLE PROJECTION



RHTAY417-01-R

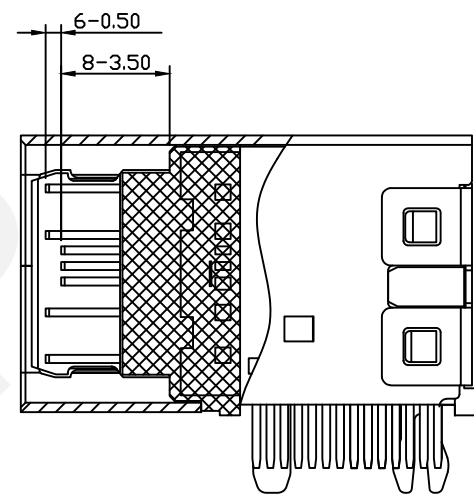
1 2 3 4 5 6 7 8 9



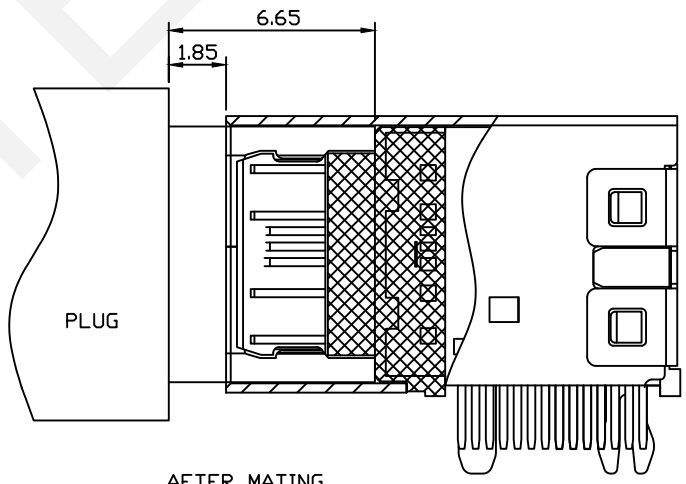
Recommended PCB Layout
Tolerance:±0.05mm,

USB TYPE-C PIN Assignments

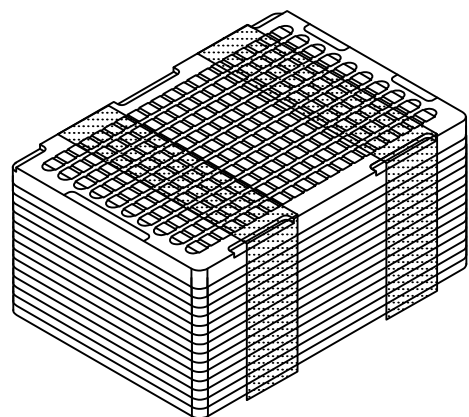
PIN	Signal Name	PIN	Signal Name
A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B7	DN2
A6	DP1	B6	DP2
A7	DN1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND



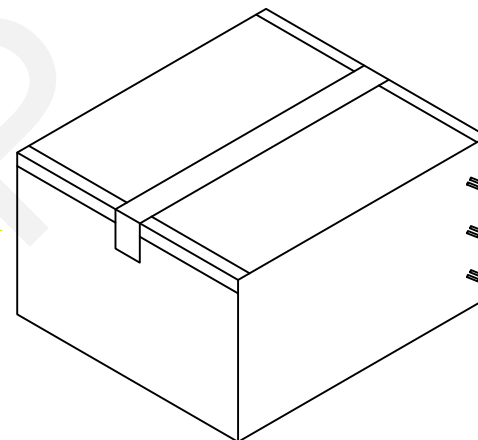
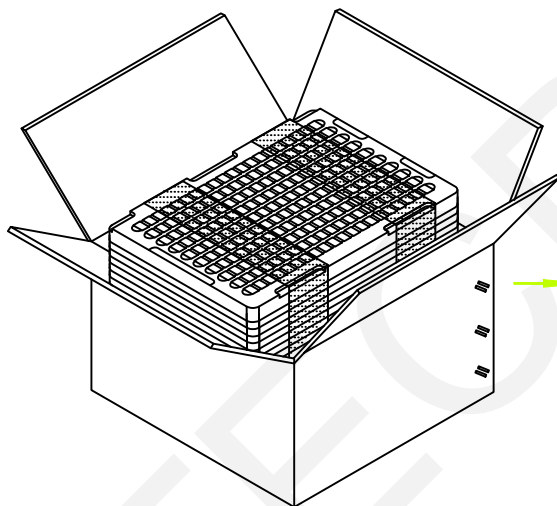
SECTION B-B



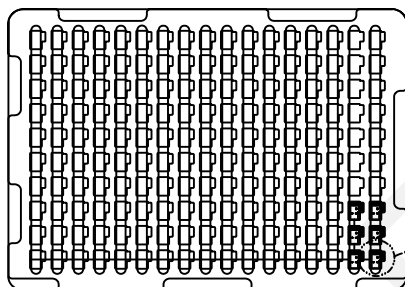
AFTER MATING



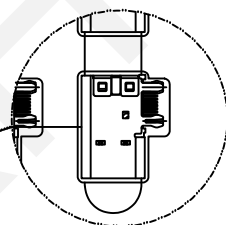
EACH BUNDLE WITH 10LAYERS
IN ALL 4 BUNDLE



EACH CARTON WITH 6800 PCS PRODUCTS



170PCS/TRAY



NINGBO RHT ELECTRONIC CO.,LTD

UNITS:mm

SHEET SIZE: A4

SCALE:---

DRWN BY PAN

USB Type-C Connector

0~3

3~18

18~50

50~120

CHK'D BY FENG

THIRD ANGLE PROJECTION

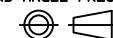
±0.12

±0.15

±0.3

±0.5

APPR BY ZHAN



RHTAY417-01-R