UNIVERSAL SERIAL BUS CONNECTORS
MINI USB CONNECTOR
ESB3 SERIES

FEATURES

- Ultra-small size achieved universal series bus connector.
- Both 4Pin type and 5Pin (One ID pin) type are 0.8mm pitch.
- 5Pin type connector and cables are USB 2.0 approval.
- Receptacle and plug housing are UL 94V-0 grade fire retardant.
- Gold plated contact ensure low contact resistance.
- To make sure your connections are perfect every time.
- EMI protection by shielding features.

APPLICATIONS

- Ideal for connecting portable PCs as slim notebook PCs and handheld PCs to small, slim peripheral equipment (digital cameras, small mouse, PDA, MP3, Hub etc.).

SPECIFICATIONS

1.ELECTRICAL

- Voltage rating: 30VAC(rms)
- Current rating: 1Amp
- Contact resistance: 50mΩ Max.
- Insulation resistance: 100MΩ Min.
- Dielectric strength: 100VAC Min.

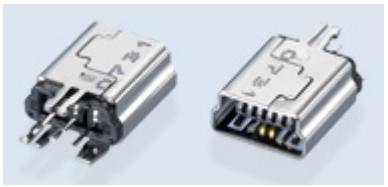
2.MECHANICAL

- Durability:
  1500 cycles (for 4 pin)
  5000 cycles (for 5pin)
- Mating force: 35N Max.
- Unmating force: 2.9N Min.

ESB3A101211Z



ESB37



A TYPE CONNECTOR (4 pin)



B TYPE CONNECTOR (4 pin)



B TYPE CONNECTOR (5 pin)



B TYPE CONNECTOR (5 pin, T/H)



C TYPE CONNECTOR (5 pin)

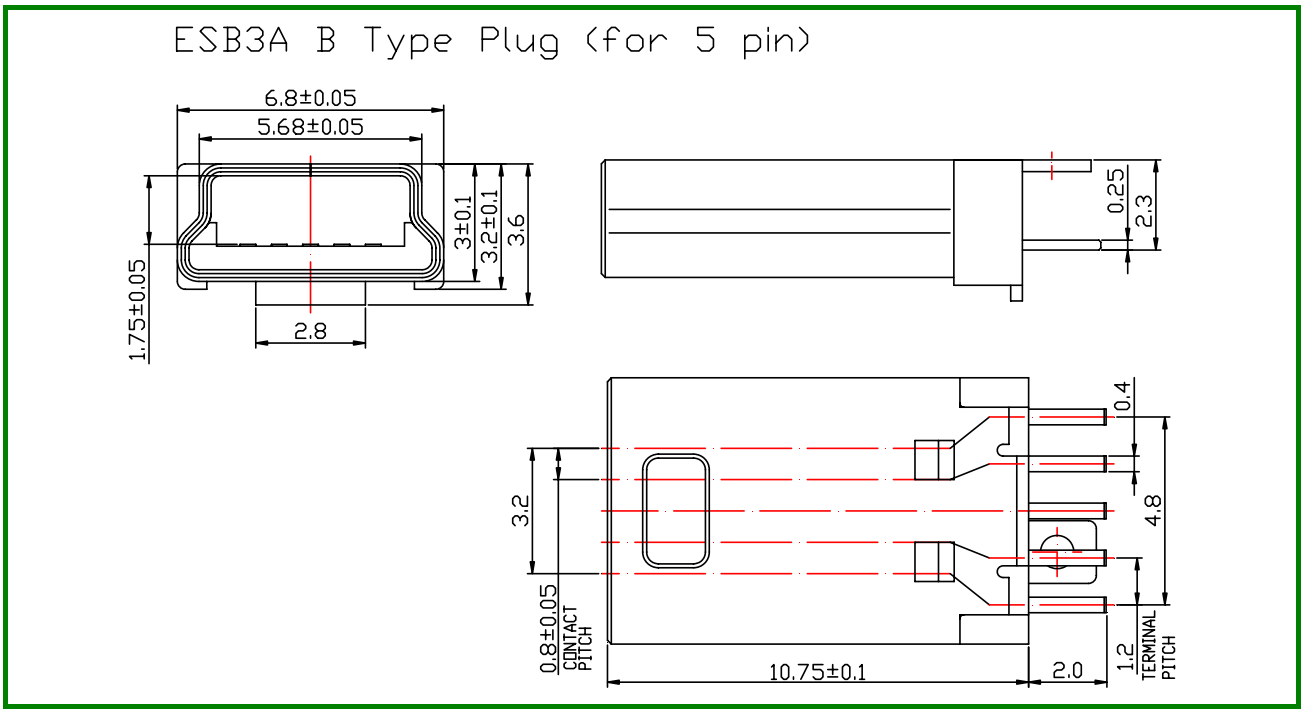


■ PART NUMBERING SYSTEM

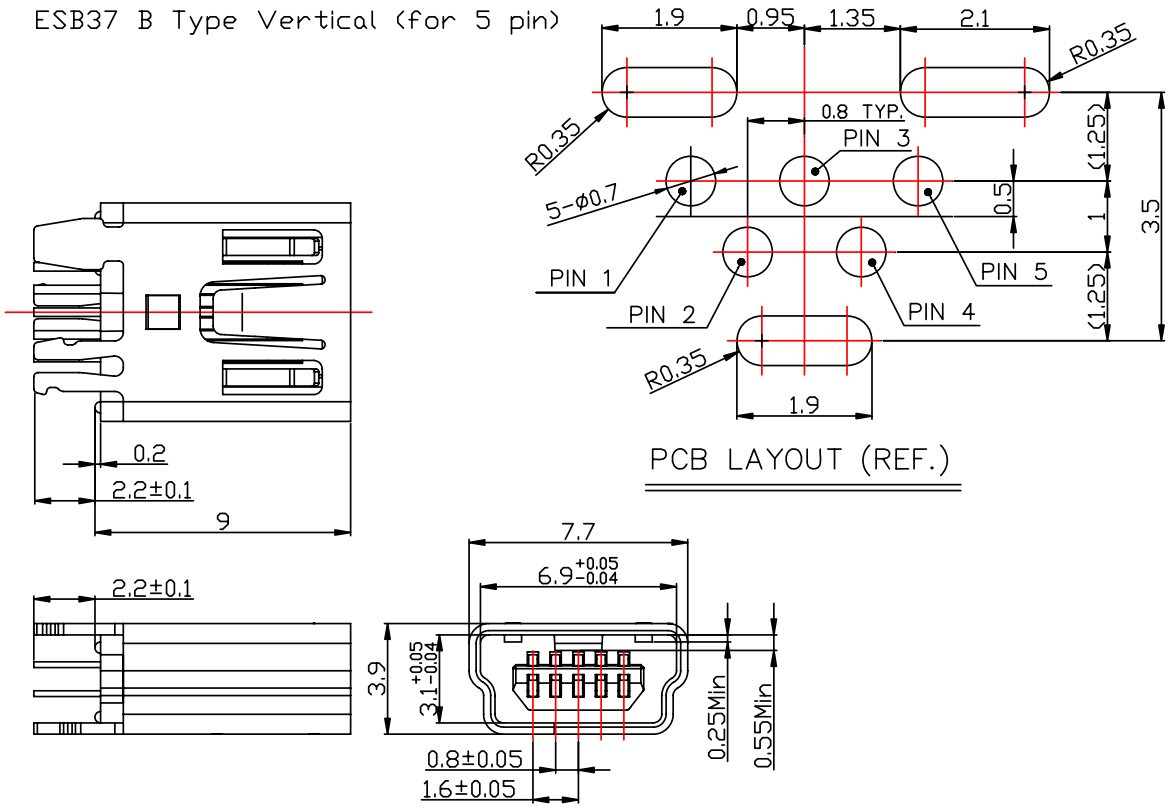
ESB 3 X X X X X X X X

- Z:RoHS Compliant
- Special Code: 0:Embossed type
  1:Tube packed
  2:Mylar / Embossed type
  3:Mylar / Tube packed
- Mark: 0:Standard, 1:No ECE Mark
- Terminal Type: 0:SMT Type
  2:Solder wire type
  3:Through Hole type
- Terminal Pole: 0:4 Pin (USB 1.1)
  1:5 Pin (UBS 2.0)
- Color: 0:Black
- Port Type: 1:Single Port
- Setting:
  Socket: 3:A Type (for 4 pin only)
  4:B Type (for 4 pin & 5 pin both)
  5:C Type (for 5 pin only)
  6:B Type (for 5 pin, right angle, Shell T/H)
  7:B Type (for 5pin, Straight, Shell T/H)
  Plug: A:for B type 5 pin
- Contact Type: 3:Mini Connector
- Model Name: ESB Series

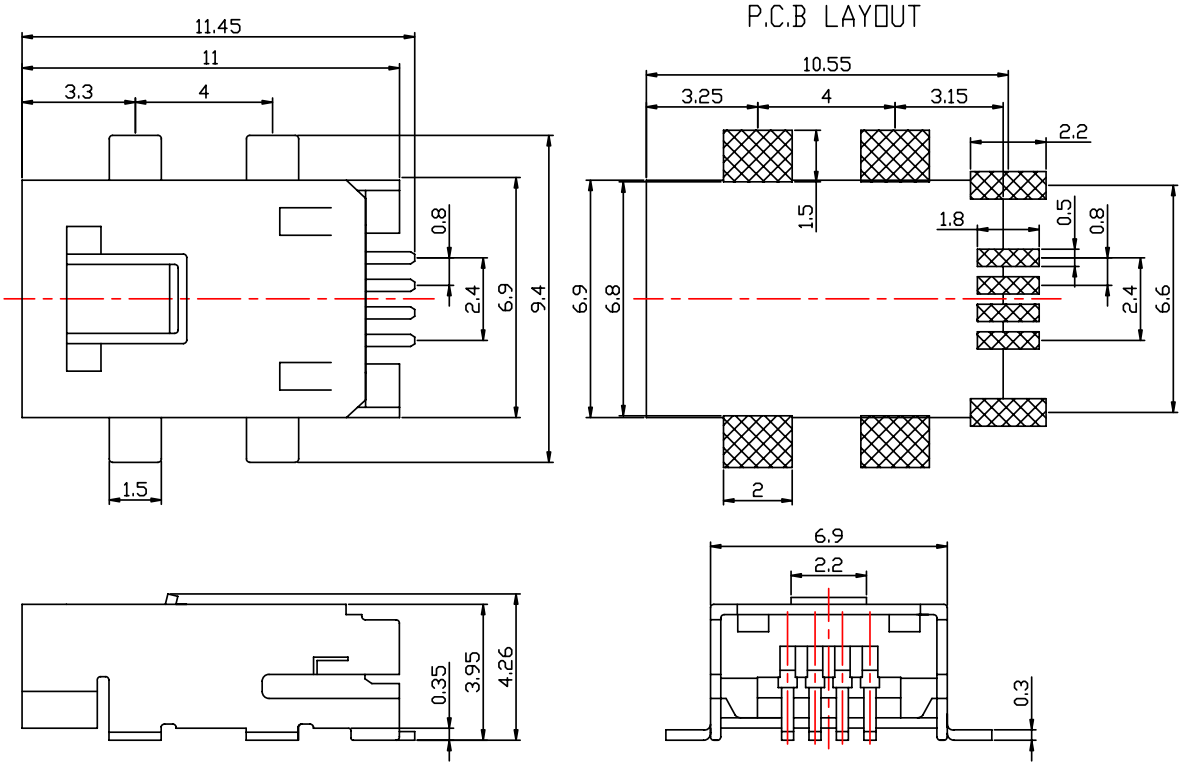
■ DIMENSIONS UNIT:mm



ESB37 B Type Vertical (for 5 pin)

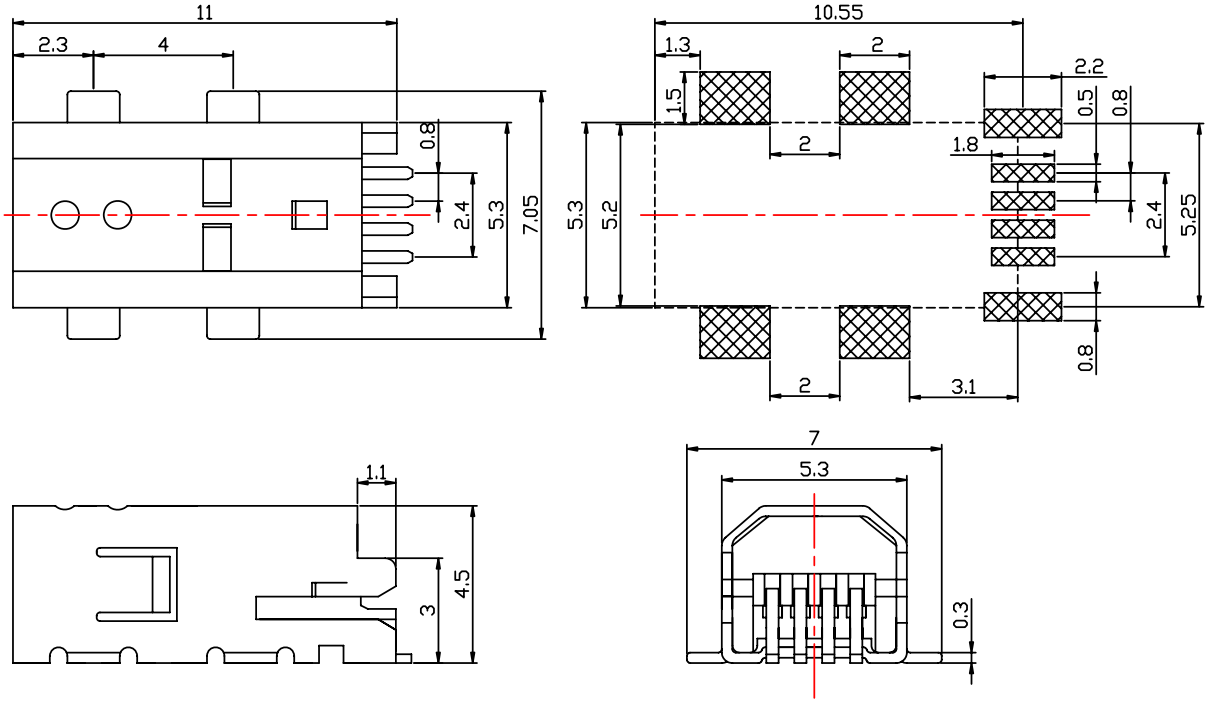


ESB33 A Type (for 4 pin)



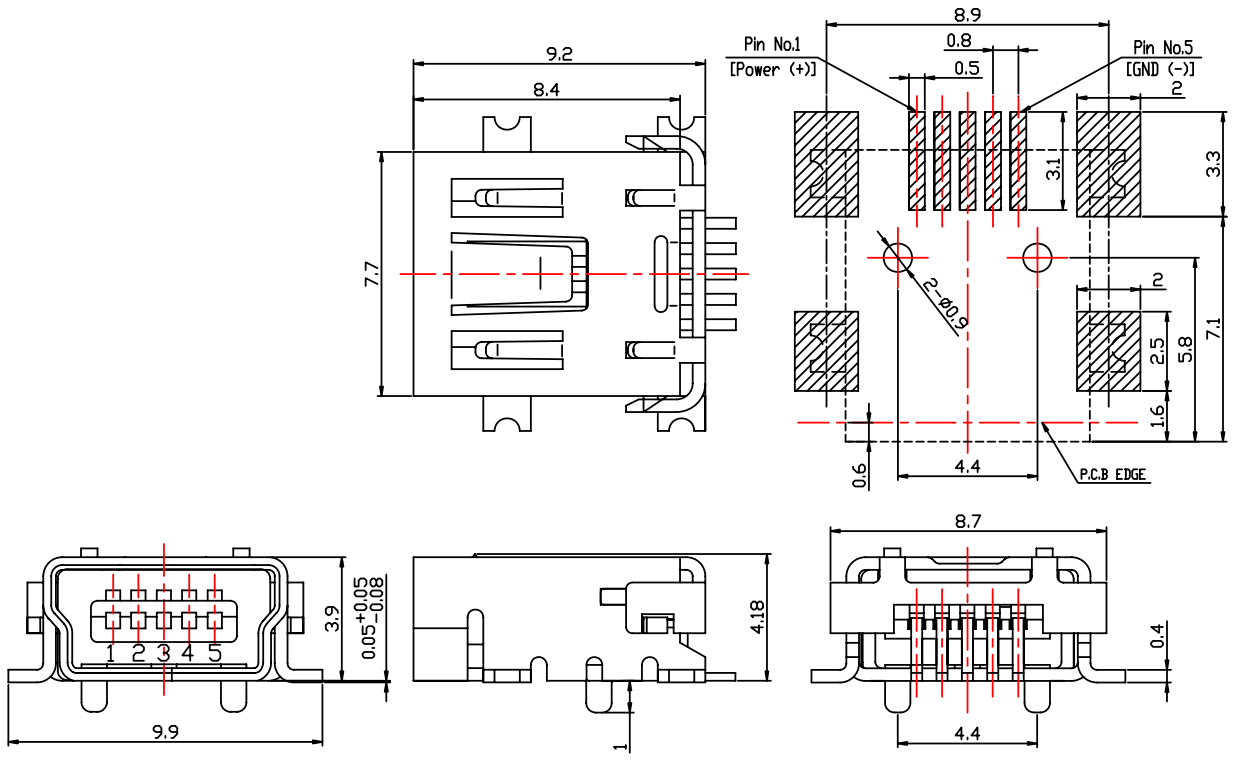
ESB34 B Type (for 4 pin)

P.C.B LAYOUT



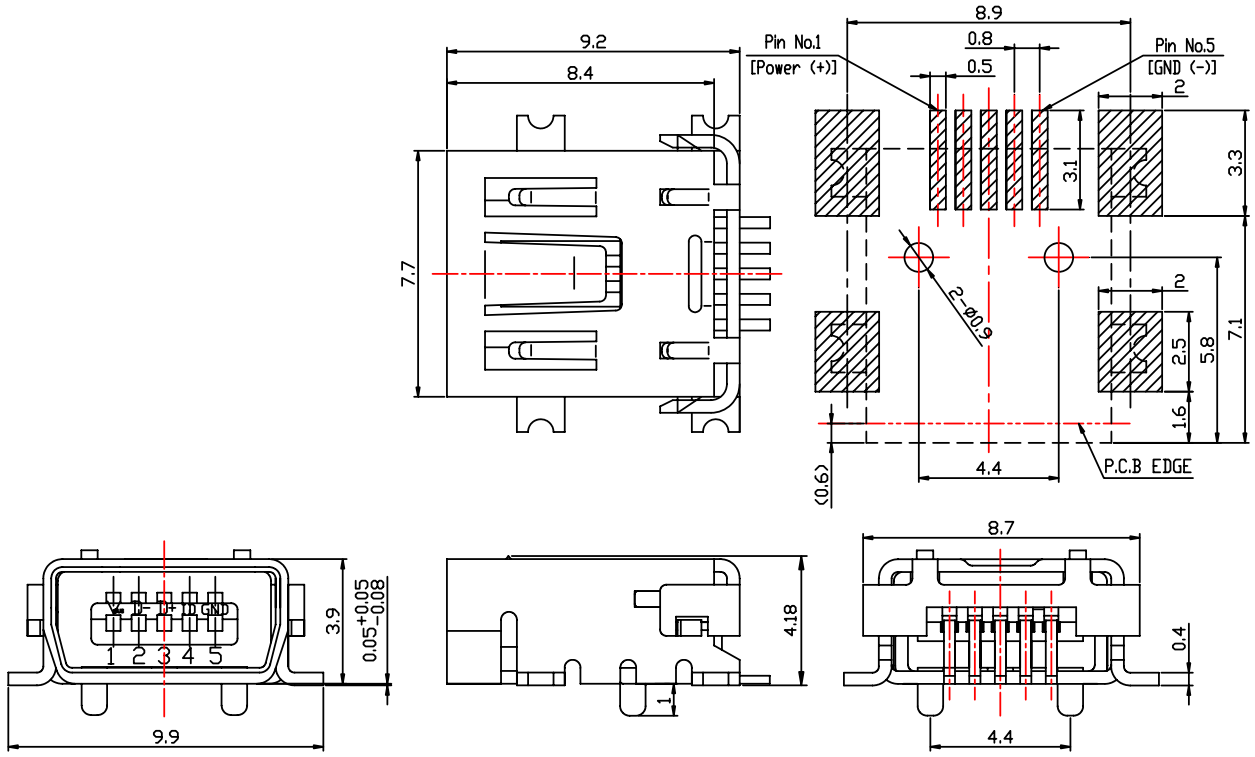
ESB34 B Type (for 5 pin)

P.C.B LAYOUT



ESB35 C Type (for 5 pin)

P.C.B LAYOUT



ESB36 B Type T/H (for 5 pin)

P.C.B LAYOUT

