UNIVERSAL SERIAL BUS CONNECTORS
MICRO USB AND CABLE SERIES
ESB22 SERIES

■ FEATURES

- 0.65mm contact spacing
- USB 2.0 Specification Compliance Data Rates Beyond USB 2.0 (480Mb/s -->)
- On-The-Go Device shall conform to the OTG requirements as set forth in the On-The-Go Supplement to the USB 2.0 Specification
- The Micro-USB specification defines the following additional connectors: Micro-B plug and receptacle, Micro-AB receptacle, Micro-A plug
- The Micro-AB receptacle is only allowed on OTG products. All other uses of the Micro-AB receptacle are prohibited. The Micro-AB receptacle accepts either a Micro-A plug or a Micro-B plug
- Receptacle and plug housings are UL 94V-0 grade fire retardant
- Applications: Mobile Phones, Portable devices, MP3 players, Portable digital video players, Digital still cameras, Digital video cameras

■ SPECIFICATIONS

1.ELECTRICAL

- Voltage rating: 20mVAC
- Current rating: 1.8A
- Contact resistance: 30mΩ Max.
- Insulation resistance: 100MΩ Min.
- Dielectric strength: 100VAC Min.

2.MECHANICAL

- Durability: 10000 cycles
- Mating force: 35N Max.
- Unmating force: 8N Min.

■ MATERIALS

1.MATERIAL

- Contacts: Copper Alloy
- Shell: Stainless Steel
- Housing: Thermoplastic high-Temp
- Latch: Stainless Steel

2.PLATING

- Nickel In All Area
- Contact: Au over Nickel
- Shell: Nickel In All Area

■ PACKING

1.Packing method

- All cable are packed into ploy bags and then packed into boxes.
- All connector are packed using tape & reel or Tube parked methods.

2.Information on label (stuck to each ploy bag, reel and box)

(1)Part NO. (2)Description (3)Lot NO. (4)Quantity (5)Tester NO.
(6)Reprocess NO. (7)QC stamp (8)Date (9)ECE mark (10)Manufacturers name

■ PART NUMBERING SYSTEM

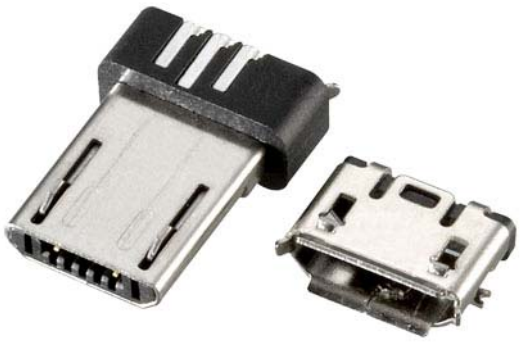
ESB 22 7 1 1 0 1 0 0 Z

- Z: RoHS Compliant
- Special Code:
  0: Tape & reel type
  1: Tube packed type
  2: Packed into ploy bags
- Modify Code:
  0: Standard type
  1: Shell-DIP type (Socket Only)
- Mark Code:
  0: Standard
  1: No ECE Mark
- Terminal Type:
  0: SMT type (30 μ)
  1: SMT type (10 μ)
- Terminal Pole No.:
  1: 5 Pole [USB 2.0]
- Port Type:
  1: Single Port
- Setting:
  Socket: 7: AB type
  8: B type
  Plug: A: A type
  B: B type
- Contact Type:
  22: Micro USB Connectors
- Model Name: ESB Series

ESB22A(A Plug) + ESB227(AB Socket)

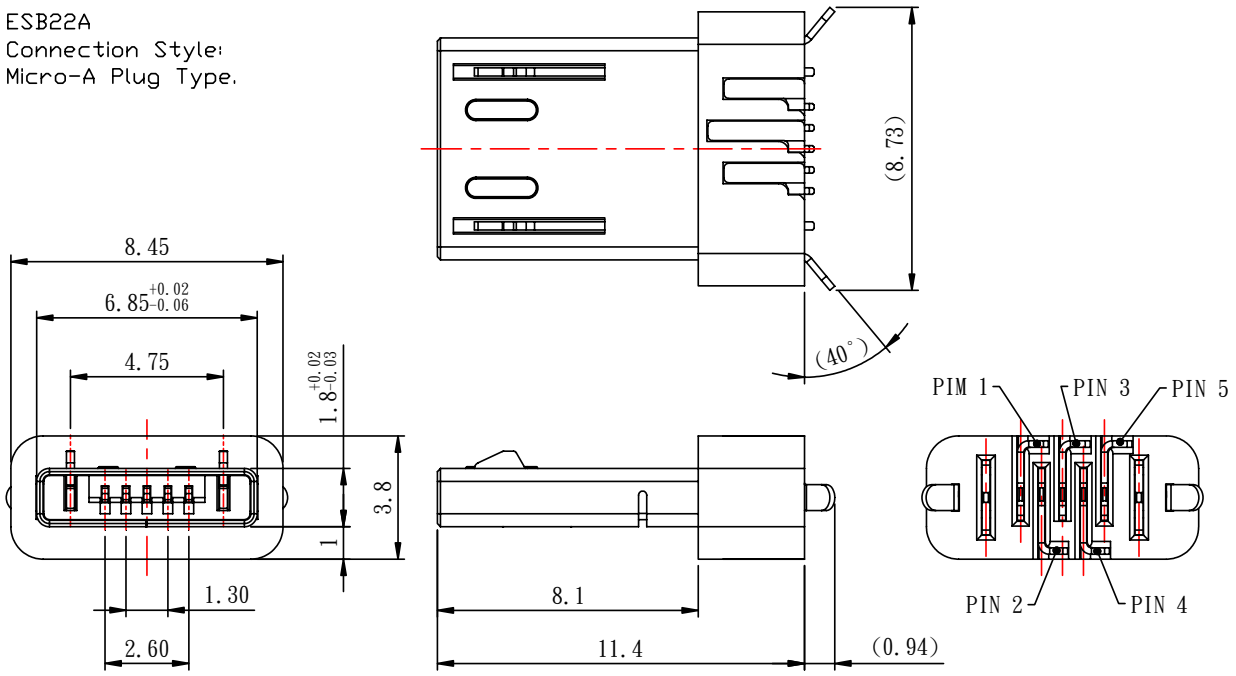


ESB22B(B Plug) + ESB228(B Scoket)

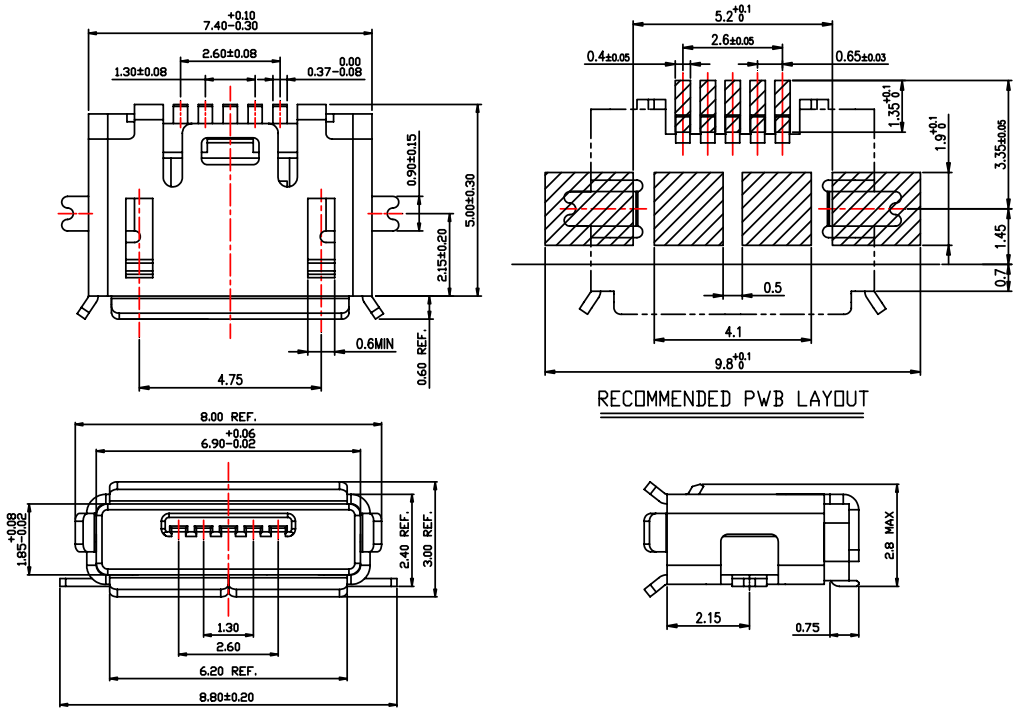


■ DIMENSIONS UNIT:mm

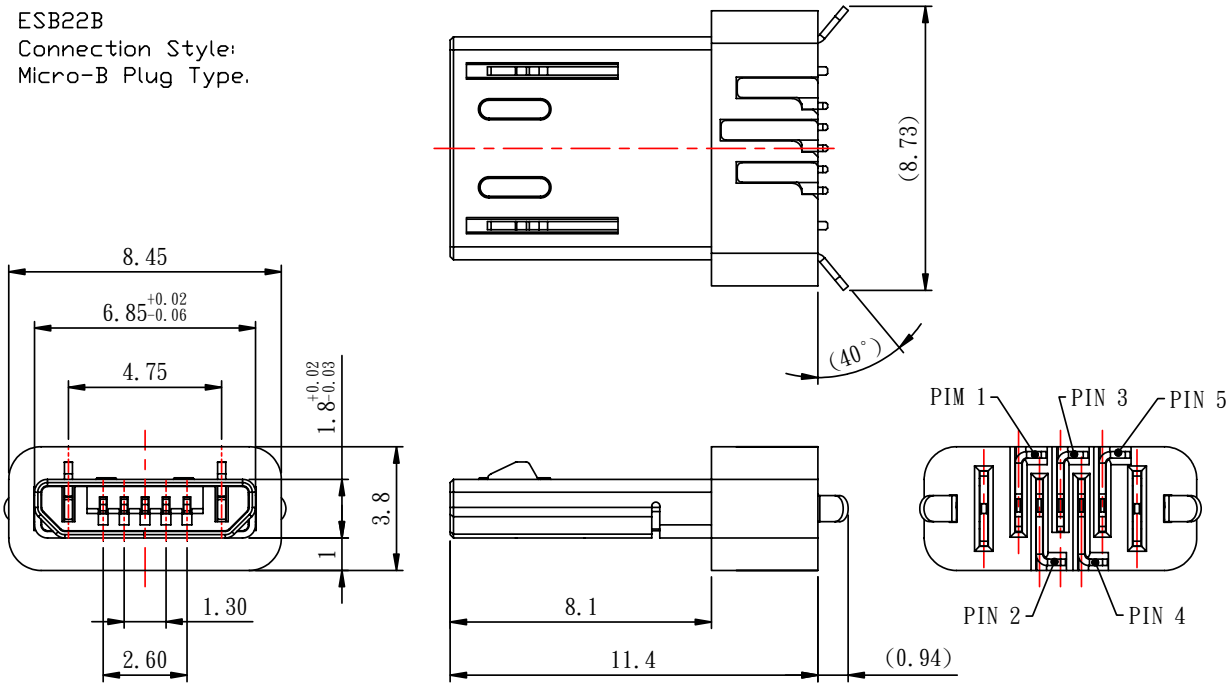
ESB22A
Connection Style:
Micro-A Plug Type.



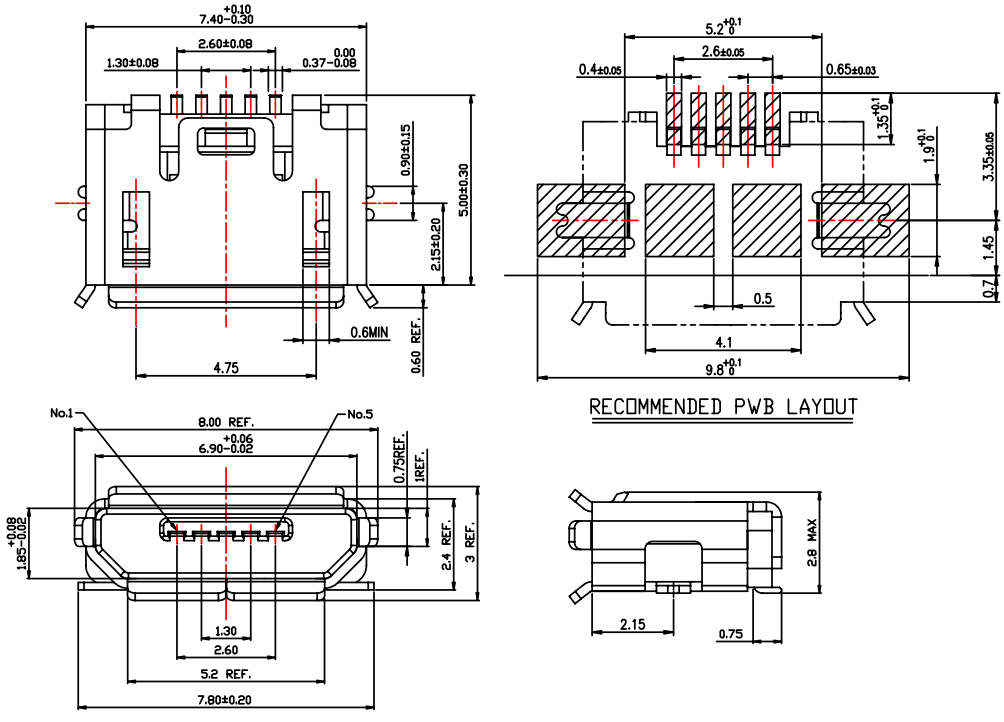
ESB227
Connection Style: Micro-AB Receptacle Type.



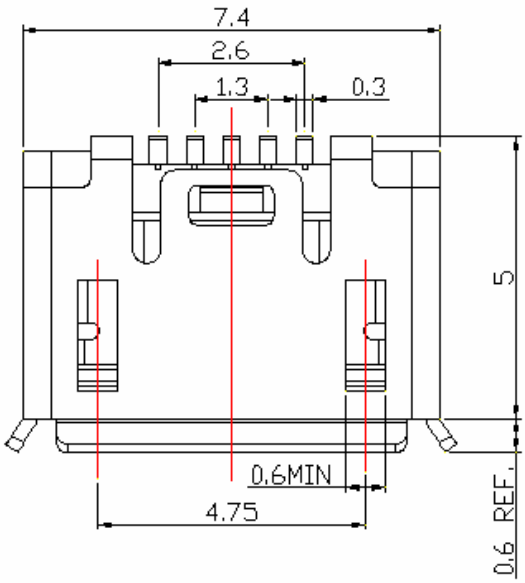
ESB22B
Connection Style:
Micro-B Plug Type.

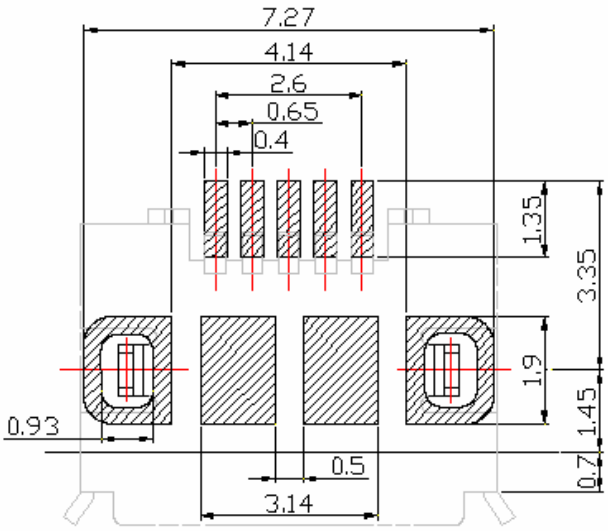


ESB228 UNIT:mm
Connection Style: Micro-B Receptacle Type.



ESB 228 UNIT:mm
(Micro-B Receptacle DIP Type)





RECOMMENDED PWB LAYOUT

