UNIVERSAL SERIAL BUS CONNECTORS
USB CONNECTORS
ESB0 SERIES

■ FEATURES

- Both USB A Type and B Type are USB 2.0 approval.
- Raised design provides easy insertion and withdrawal, and guarantee even high reliability.
- Design of three certain restraints provides robustious structure.
- Gold plated contact to ensure low contact resistance.
- All materials are UL 94V-0 grade fire retardant.
- Up to 5 meters per cable segment.
- To make sure your connections are perfect every time.

■ APPLICATIONS

- PCs peripheral equipment (modem, scanner, HDTV, printer, phone/answering, keyboard, mouse, game controller, digital audio)

■ SPECIFICATIONS

ELECTRICAL	
Voltage rating	30 VAC (rms)
Current rating	1 Amp
Contact resistance	30 mΩ Max.
Insulation resistance	1000 MΩ Min.
Dielectric strength	750 VAC Min.

MECHANICAL	
Durability	1500 cycles
Mating force	35N Max.
Unmating force	10N Min.
Temperature	storage -40℃ to + 60℃
	operating 0℃ to + 40℃

■ PART NUMBERING SYSTEM

ESB 0 X X X X X X X X Z

- Z: RoHS Compliant
- Special Product Number: 2:USB 2.0
- 0:Standard, 1:No ECE Mark
- Terminal Type: 0:Through Hole pin, 1:Straight pin, 2:SMD pin
- 0:Without shield, 1:With shield
- Color: 0:Black, 1:White
- Port Type: 1:Single Port, 2:Double Port
- Setting: 1:A Type, 2:B Type
- Contact Type: 0:USB Connector
- Model Name: ESB Series

■ DIMENSIONS UNIT:mm

ESB 021x01

ESB 021x12x2

ESB 011

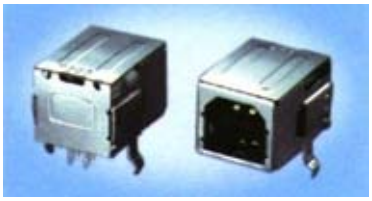
ESB 012

ESB 021

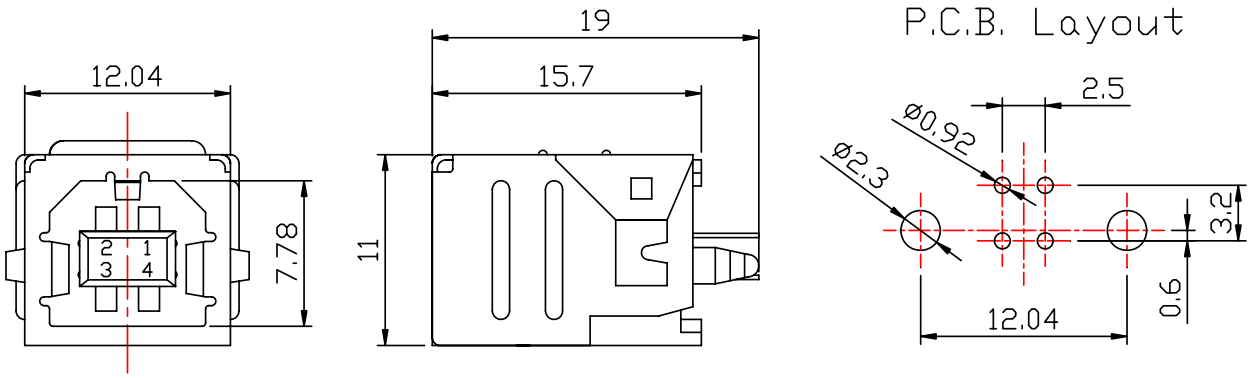
ESB 011x1

EB 012x1

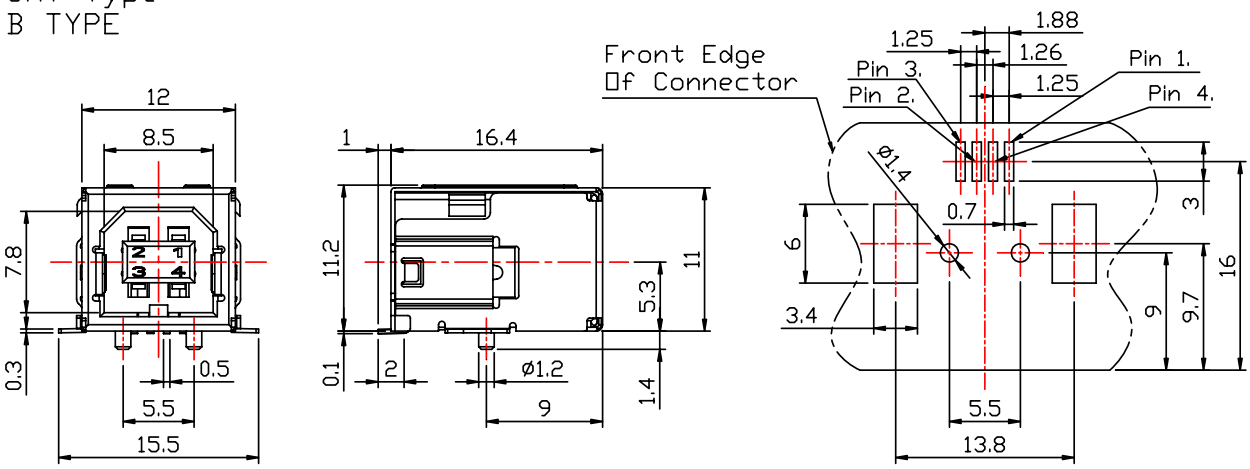
ESB 021x1



ESB021x01
Straight Pin Type
B TYPE

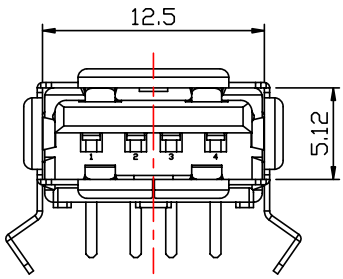


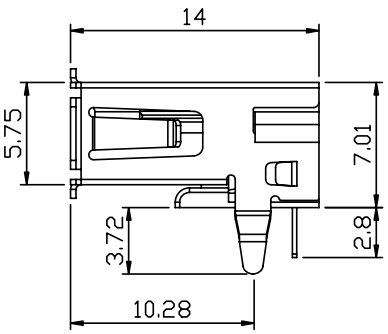
ESB021x12x2
SMT Type
B TYPE



P.C.B. Layout

ESB011
Right Angle Type
A TYPE Single port





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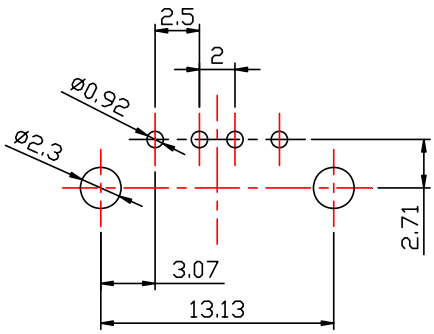
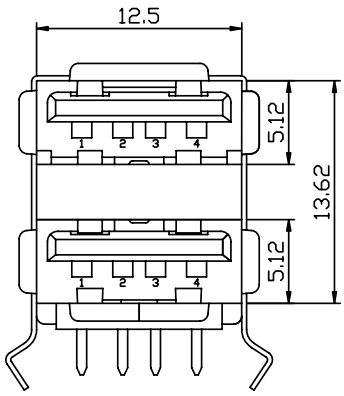
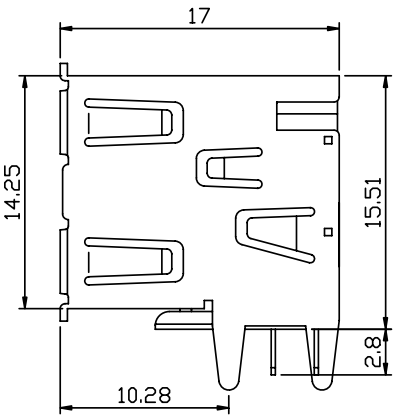


ESB012
Right Angle Type
A TYPE Double port





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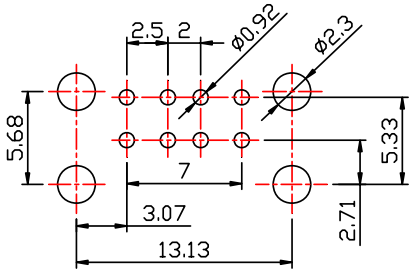
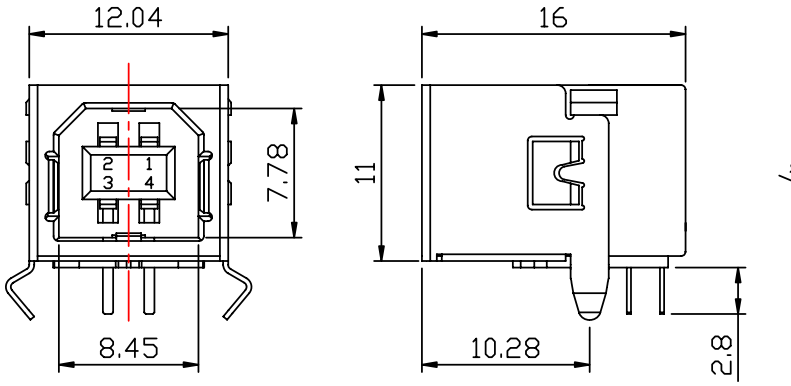


ESB021
Right Angle Type
B TYPE



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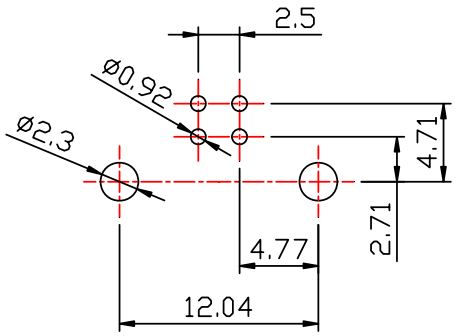
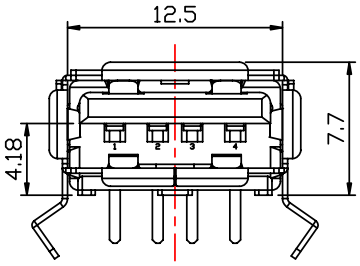
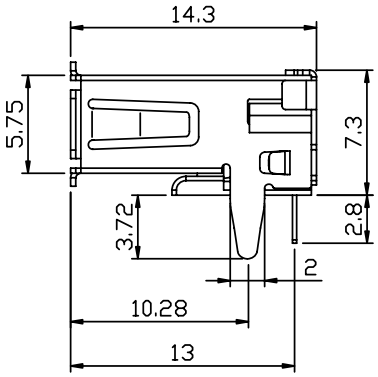


ESB011x1
Right Angle Type / With Shield
A TYPE Single port





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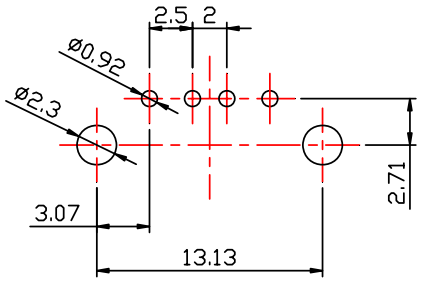
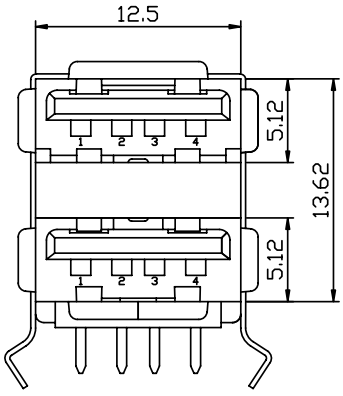
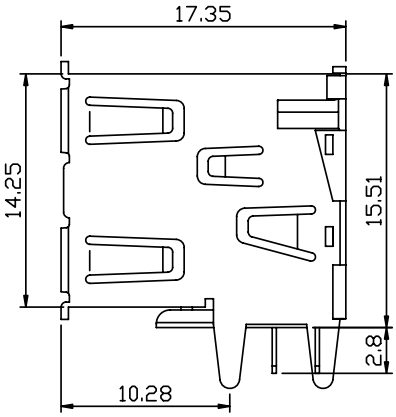


ESB012x1
Right Angle Type / With Shield
A TYPE Double port





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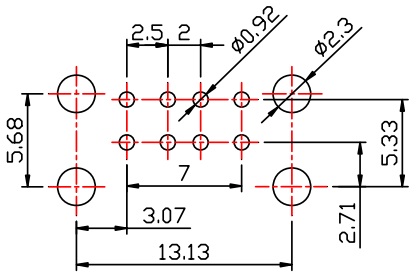
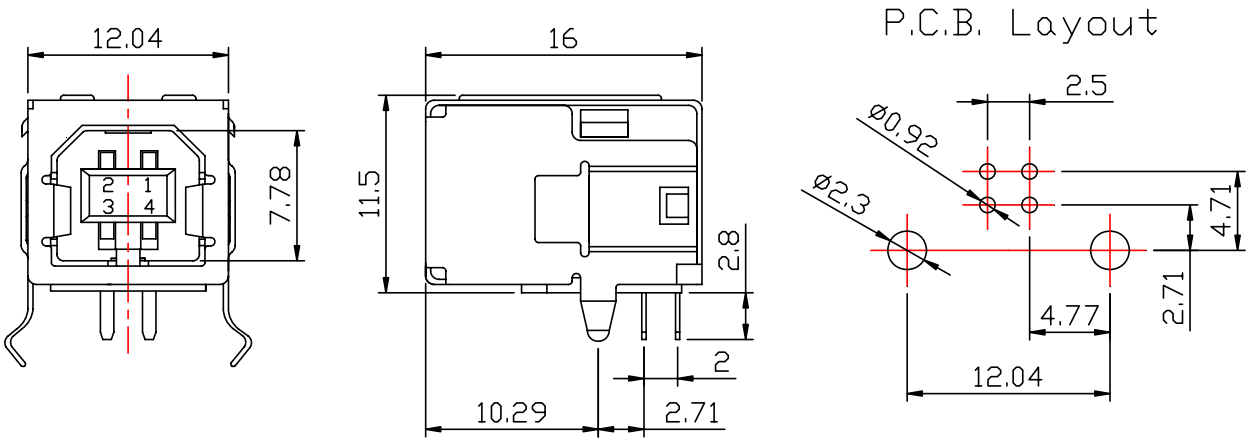
ESB021x1
Right Angle Type / With Shield
B TYPE