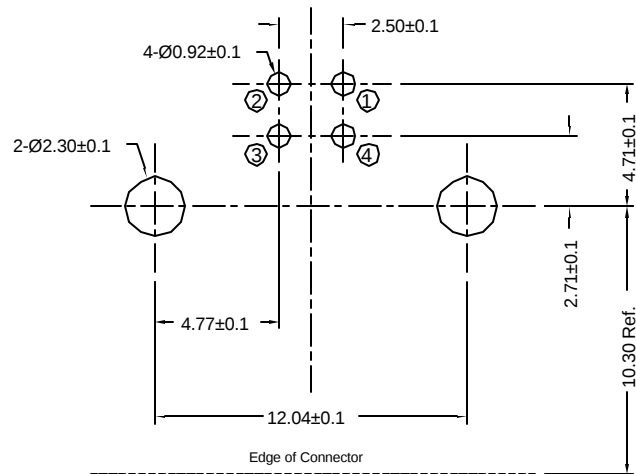
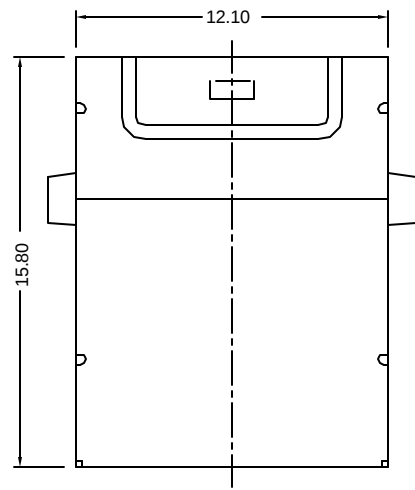
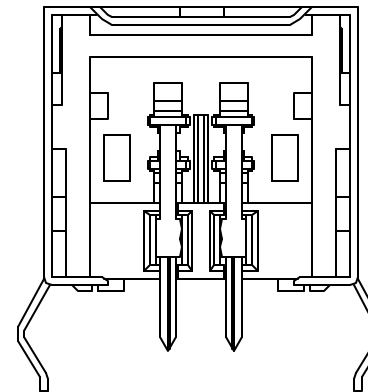
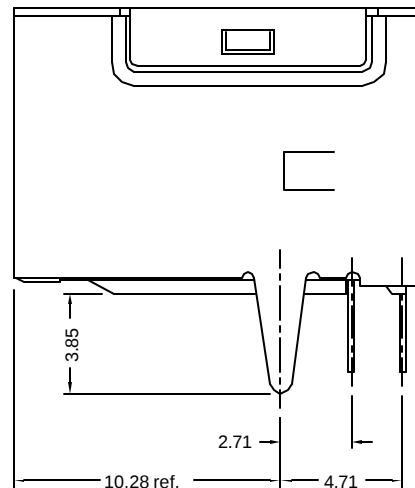
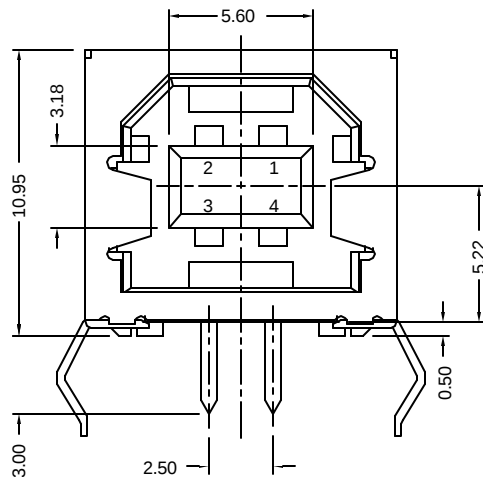




Recommended PCB Layout  
(top view)



## Materials and Finish

Shell: Brass, 0.3mm thick,  
50u" copper underplate,  
120u" bright tin/lead finish

Insulator: UL94V-0 rated  
PBT thermoplastic  
Color- white or black

Contact Material: Phosphor Bronze

Contact Plating Options:  
Standard: gold flash  
on contact area, 120u" tin/lead  
on solder tails, all over  
50u" nickel underplate  
-30 Option: 30u" gold  
on contact area, 120u" tin/lead  
on solder tails, all over  
50u" nickel underplate

## Electrical Characteristics

Rated Voltage: 30V AC (rms)

Contact Current Rating:  
1A DC max.

Contact Resistance:  
30 milliohms max.

Insulation Resistance:  
1000 megohms min.

Dielectric Withstanding Voltage:  
750V AC for 1 minute

Operating Temperature:  
-55°C to +85°C (EIA 364-32 Test)

## Mechanical Specifications

Mating Force: 3.57kg max.

Unmating Force: 1.02kg min.

| Part Number        | Insulator Color | Contact Area Plating Finish  |
|--------------------|-----------------|------------------------------|
| KUSB-BS-1-N-WHT    | white           | Gold Flash (standard option) |
| KUSB-BS-1-N-BLK    | black           |                              |
| KUSB-BS-1-N-WHT-30 | white           | 30u" Gold (-30 option)       |
| KUSB-BS-1-N-BLK-30 | black           |                              |



| Tolerances                 |
|----------------------------|
| X.X ± 0.35                 |
| X.XX ± 0.25                |
| Unless Stated<br>Otherwise |

| REVISION | DATE    | DESCRIPTION    | DRAWN BY    | REV CHECK BY   | UNITS   | KUSB-BS-1-N-xxx | Right Angle USB B-type Receptacle<br>4 Position, Gold |  |
|----------|---------|----------------|-------------|----------------|---------|-----------------|-------------------------------------------------------|---------------------------------------------------------------------------------------|
| B1       | 4/9/01  | Ref ECO 01-034 | C. Leiva    | H. Ma          | mm      |                 |                                                       |                                                                                       |
| B2       | 6/24/04 | ECO#04-029     | REVISION BY | REV CHECK DATE | DATE    |                 |                                                       |                                                                                       |
| B3       | 3/23/05 | ECO#05-015     | R. Aguirre  | 6/25/04        | 9/16/99 |                 |                                                       |                                                                                       |

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Kycon:](#)

[KUSB-BS-1-N-BLK-30](#) [KUSB-BS-1-N-WHT-30](#) [KUSB-BS-1-N-WHT](#) [KUSB-BS-1-N-BLK](#)