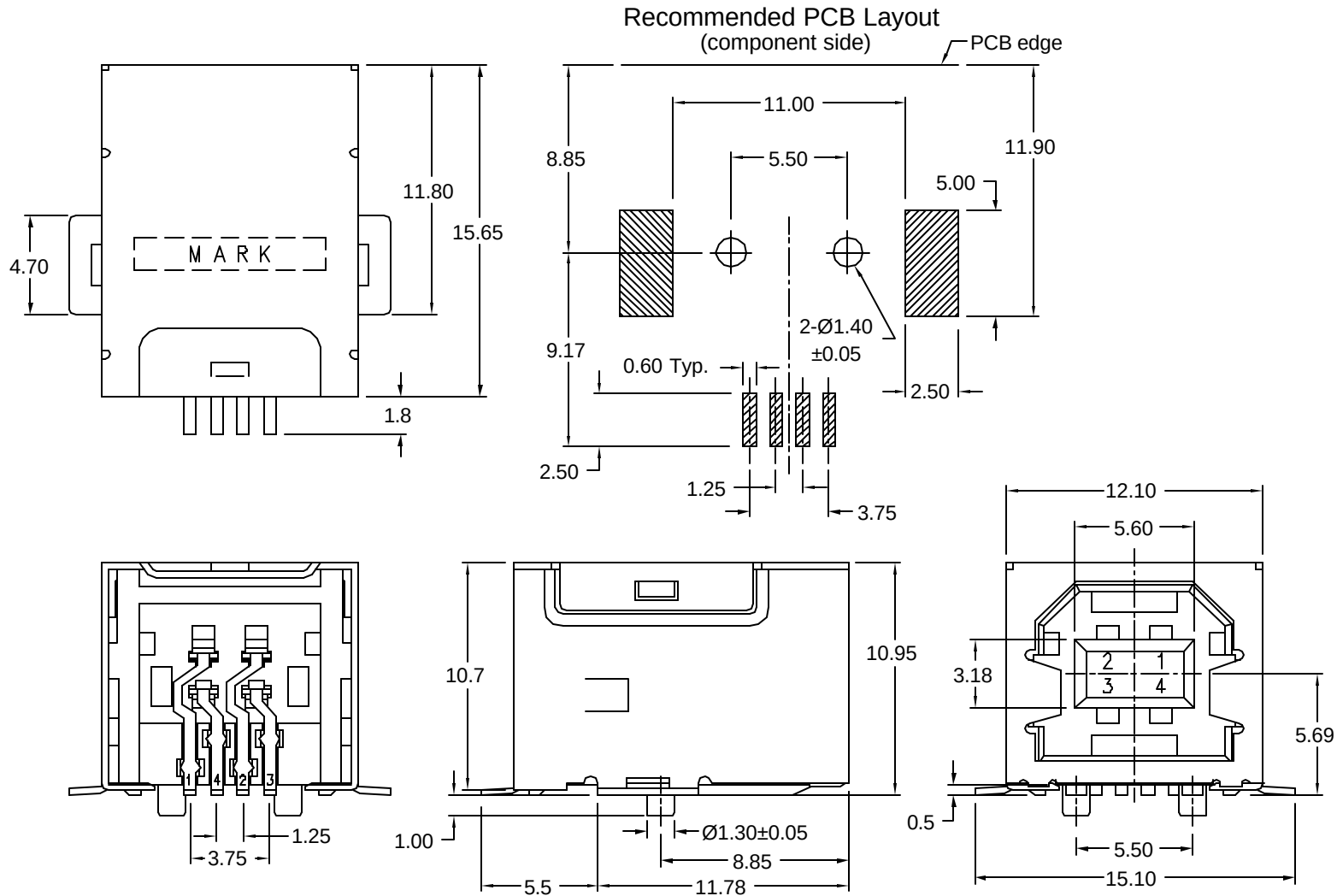




### Material and Finish

Shield: copper alloy,  
100-200u" nickel plated  
over 100u" copper

Insulator: UL94V-0 rated  
High Temp. Nylon,  
reflow process compatible,  
Color\* - white or black

Recommended Reflow Temperature:  
230°C for 30 seconds  
260°C maximum

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

### Specifications

Rated Voltage:  
30V AC (rms)

Contact Current Rating:  
1A max.

Contact Resistance:  
30 milliohms max.

Insulation Resistance:  
1000 Megohms min.

Dielectric Withstanding:  
500V AC

Insertion Force:  
3.57kg max.

Extraction Force:  
1.02kg min.

Operating Temperature:  
-25°C to 80°C

| Part Number       | Contact Area Plating Finish | *Insulator Color | Packaging                 |
|-------------------|-----------------------------|------------------|---------------------------|
| KUSB-SMT-BS1N-W   | Gold Flash (standard)       | White            | Bulk (trays, standard)    |
| KUSB-SMT-BS1N-W30 | 30u" Gold (30 option)       | White            | Bulk (trays, standard)    |
| KUSB-SMT-BS1N-B   | Gold Flash (standard)       | Black            | Bulk (trays, standard)    |
| KUSB-SMT-BS1N-B30 | 30u" Gold (30 option)       | Black            | Bulk (trays, standard)    |
| KUSB-SMTBS1NWTR   | Gold Flash (standard)       | White            | Tape-and-Reel (TR option) |
| KUSB-SMTBS1NW30TR | 30u" Gold (30 option)       | White            | Tape-and-Reel (TR option) |
| KUSB-SMTBS1NBTR   | Gold Flash (standard)       | Black            | Tape-and-Reel (TR option) |
| KUSB-SMTBS1NB30TR | 30u" Gold (30 option)       | Black            | Tape-and-Reel (TR option) |

| REVISION | DATE    | DESCRIPTION | DRAWN BY   | CHECKED BY | UNITS   |
|----------|---------|-------------|------------|------------|---------|
| C5       | 6/25/04 | ECO#04-029  | K. Wallace | H. MA      | mm      |
| D1       | 8/29/05 | ECO#05-039  | REVISED BY | CHECK DATE | DATE    |
| D2       | 2/21/06 | ECO#06-009  | R. Aguirre | 2/21/06    | 7/12/99 |

KUSB-SMT-BS1N-x

Right Angle USB B-type Receptacle

SMT Type, 4 Position



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



# Mouser Electronics

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