



Material and Finish

Insulator: UL94V-0 rated
High Temp. PA46
Reflow process compatible,
Color* - white or black

Contact Material:
phosphor bronze

Contact Plating Options:
Standard: gold flash on
contact area, Tin on
solder tails, all over
50u" nickel underplate
30 Option: 30u" gold on
contact area, Tin on
solder tails, all over
50u" nickel underplate

Shield: Brass
Nickel plated
over copper

Electrical 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
Durability: 1500 cycles.

Mechanical Specifications

Insertion Force:
3.57kg max.
Extraction Force:
1.02kg min.
Operating Temperature:
-40°C to 85°C

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



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

| REV. | DATE | DESCRIPTION | REV. BY | CHK. BY | DRAWN BY | DATE |
|------|----------|-----------------|------------|-------------|----------|--------|
| A0 | 3/9/05 | New Drawing | H. MA | C. Furumasu | | |
| A1 | 5/23/05 | Release Drawing | H. MA | N/A | H. AM | 3/9/05 |
| B1 | 8/29/05 | ECO #05-039 | R. Aguirre | H. Ma | | |
| B2 | 02/21/06 | ECO #06-009 | R. Aguirre | H. MA | | |
| B3 | 06/16/06 | ECO #06-041 | R. Aguirre | H. MA | | |
| B4 | 09/29/11 | ECO #11-064 | S. Vien | H. MA | | |

KUSBX-SMT-BS1N-xxx

Right Angle USB B-Type Receptacle
SMT Type, 4 Position, RoHS Compliant

