



**Materials and Finish**

Shell: Brass, 0.3mm thick,  
50u" copper underplate,  
120u" Nickel Plated.

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  
on solder tails, all over  
50u" nickel underplate  
-30 Option: 30u" gold  
on contact area, 120u" tin  
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

**Mechanical Specifications**

Mating Force: 3.57kg max.

Unmating Force: 1.02kg min.

Part Number	Insulator Color	Contact Area Plating Finish
KUSBX-BS1N-W	white	Gold Flash (standard option)
KUSBX-BS1N-B	black	
KUSBX-BS1N-W30	white	30u" Gold (-30 option)
KUSBX-BS1N-B30	black	



Tolerances
X.X ± 0.25
X.XX ± 0.15
Unless Stated Otherwise

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A0	4/5/05	New Drawing	H. MA	C. Furumasa	H. MA	12/14/04
A1	9/9/05	Release Drawing	H. MA	N/A		

**KUSBX-BS1N-xxx**

UNITS  
mm

**Right Angle USB B-type Receptacle**  
**4 Position, Gold, RoHS Compliant**

