



Recommended PCB Layout (top view)

**Materials and Finish**

Shell: copper alloy,  
 Plating- tin or tin/lead over copper  
 Insulator: UL94V-0 rated  
 PBT thermoplastic  
 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 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  
 Operating Temperature:  
 -25°C to 80°C

**Mechanical Specifications**

Mating Force: 3.57kg max.  
 Unmating Force: 1.02kg min.

Part Number	Contact Area Plating Finish	Insulator Color
KUSB-SL-AS1N-W	Gold Flash (standard)	White
KUSB-SL-AS1N-W30	30u" Gold (30 option)	
KUSB-SL-AS1N-B	Gold Flash (standard)	Black
KUSB-SL-AS1N-B30	30u" Gold (30 option)	



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

REVISION	DATE	DESCRIPTION	DRAWN BY	REV CHECK BY	UNITS
B3	3/15/02	ref. ECO #02-034	E. Cruz	C. Leiva	mm
B4	7/18/03	ref. ECO #03-039	REVISED BY	REV CHECK DATE	DATE
B5	6/25/04	ECO #04-029	H. MA	6/25/04	12/19/00

KUSB-SL-AS1N-x  
 USB A-type Receptacle, PCB Mount  
 Single, SLIM DESIGN, Right Angle

