



connector profile  
Recommended PCB Layout  
(top view)

**Material and Finish**

- Shield Material: brass, 0.30mm thick
- Shield Plating: 120u" thick nickel over 50u" thick copper
- Grounding Strip: stainless steel, 0.20mm thick
- Insulator: PBT thermoplastic, glass-fiber reinforced, UL94V-0 rated, black or white color
- Contact Material: brass, 0.25mm thick
- Contact Plating Options:  
Standard: gold flash on contact area, 120u" min. tin on soldertails, all over 50u" min. nickel underplate  
30 Option: 30u" gold on contact area, 120u" min. tin on soldertails, all over 50u" min. nickel underplate

**Specifications**

- Contact Current Rating: 1A max.
- Contact Resistance: 30 milliohm max.
- Insulation Resistance: 1000 Megohm min.
- Dielectric Withstanding Voltage: 750V AC (sea level)
- Insertion Force: 3.57kg max.
- Extraction Force: 1.02kg min.
- Operating Temperature: -55°C to +85°C
- Durability: 1500 mating cycles min.



Part Number	Contact Area Plating	Insulator Color
KUSBVX-AS2N-W	Gold Flash (standard)	White
KUSBVX-AS2N-W30	30u" Gold (30 option)	White
KUSBVX-AS2N-B	Gold Flash (standard)	Black
KUSBVX-AS2N-B30	30u" Gold (30 option)	Black

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

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	9/28/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	06/30/05

**KUSBVX-AS2N-xxx**  
 USB A-type Receptacle, Stacked, RoHS Compliant  
 Vertical, Through-Hole, Black or White Insulator

