



Recommended PCB Layout (Top View)



Materials and Finish

Shield: Steel, Nickel Plated
 Insulator: UL94V-0 rated High Temp. PA 6T
 Color- White or Black
 Reflow Process Compatible
 Contact Material: Copper Alloy
 Plating Options:
 Standard: Gold Flash on Contact Area, Tin on Solderails, with nickel underplated
 30 Option: 30u" Gold on Contact Area, Tin on Solderails, with nickel underplated

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: -55°C to 85°C

Part Number	Contact Area Plating Finish	Insulator Color	Dim "A"/Dim "B"
KUSBX-SMT2AP1S-W	Gold Flash (standard)	White	0.90mm/1.10mm ±0.10mm
KUSBX-SMT2AP1S-W30	30u" Gold (30 option)		
KUSBX-SMT2AP1S-B	Gold Flash (standard)	Black	
KUSBX-SMT2AP1S-B30	30u" Gold (30 option)		
KUSBX-SMT2AP5S-W	Gold Flash (standard)	White	1.35mm/1.55mm ±0.10mm
KUSBX-SMT2AP5S-W30	30u" Gold (30 option)		
KUSBX-SMT2AP5S-B	Gold Flash (standard)	Black	
KUSBX-SMT2AP5S-B30	30u" Gold (30 option)		

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



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	5/11/05	New Drawing	H. MA	C. Furumusu	H. MA	5/10/05
A2	7/27/05	ECO #05-020	R. Aguirre	H. MA		

KUSBX-SMT2APxS-x
 USB A-type Plug, 4 position, RoHS Compliant
 SMT, w/ Through Hole Shield Tabs

