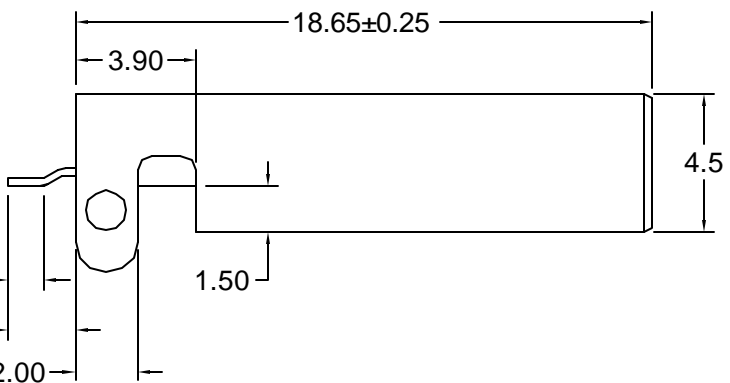


Recommended PCB Layout  
(Top View)



**Materials and Finish**

Shield: Steel,  
Nickel Plated

Insulator: UL94V-0 rated  
High Temp. Nylon,  
Color- White or Black  
Reflow Process Compatible

Contact Material:  
Phosphor Bronze

Plating Options:  
Standard: Gold Flash  
on Contact Area, 120u"  
Tin-Lead on Solderails,  
all over 50u" Nickel

30 Option: 30u" Gold  
on Contact Area, 120u"  
Tin-Lead on Solderails,  
all over 50u" Nickel

**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"
KUSB-SMT2-AP1S-W	Gold Flash (standard)	White	0.90mm/1.10mm ±0.10mm
KUSB-SMT2-AP1S-W30	30u" Gold (30 option)		
KUSB-SMT2-AP1S-B	Gold Flash (standard)	Black	0.90mm/1.10mm ±0.10mm
KUSB-SMT2-AP1S-B30	30u" Gold (30 option)		
KUSB-SMT2-AP5S-W	Gold Flash (standard)	White	1.35mm/1.55mm ±0.10mm
KUSB-SMT2-AP5S-W30	30u" Gold (30 option)		
KUSB-SMT2-AP5S-B	Gold Flash (standard)	Black	1.35mm/1.55mm ±0.10mm
KUSB-SMT2-AP5S-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
A0	03/29/02	New Drawing	M. Yiu	K. Wallace	M. Yiu	03/29/02
A1	04/10/02	Modify Post Dim.	K. Wallace	K. Wallace		
A2	04/15/02	Modify Post Dim.	K. Wallace	K. Wallace		UNITS mm
A3	06/27/02	Release Drawing	K. Wallace	K. Wallace		
A4	12/13/04	ECO #04-068	R. Aguirre	H. MA		
A5	07/27/05	ECO #05-030	R. Aguirre	H. MA		

**KUSB-SMT2-APxS-x**

**USB A-type Plug, 4 position, SMT**

**w/ Through Hole Shield Tabs**

