



UNIVERSAL SERIAL BUS: KUSBX Series Right Angle USB

Product Features

Through Hole PCB Mount
Compatible with Many Computer Peripherals
A and B Types Available
Supports Hot Plugging
Contact Area with Gold Plating
CSA/NRTL Certified File No. LR78160
UL File No. E134345

Performance Specifications

Materials and Finish

Insulator

PBT Thermoplastic, UL 94V-0 Rated, Black or White Color

Contacts

Phosphor Bronze

Contact Plating

Gold on Contact Area

Tin on Solderails, All over Nickel

Shell

Brass, Nickel Plated

Mechanical Characteristics

Insertion Force: 3.57kg Max.

Extraction Force: 1.02kg Min.

Durability: 1500 Mating Cycles Min.

Electrical Characteristics

Rated Voltage: 30V AC

Rated Current: 1.5A

Contact Resistance: 30 milliohms Max

Insulation Resistance: 1000 Megohms Min.

Dielectric Withstanding Voltage: 750V AC

Operating Temperature: See Drawing



Generated Part Number

KUSBX-AS1N-B

Part Number Builder

KUSBX	-	AS1N	B	
Series		Type	Insulator Color Option	Plating Option

Series

KUSBX - Right Angle Universal Serial Bus

Type

AS1N - A Type

BS1N - B Type

AS2N - Stacked A Type

Insulator Color Option

B - Black

W - White

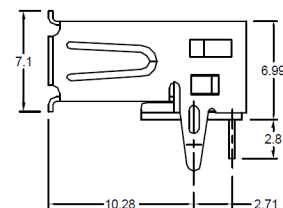
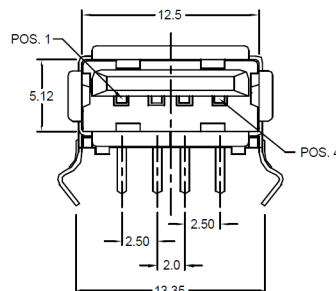
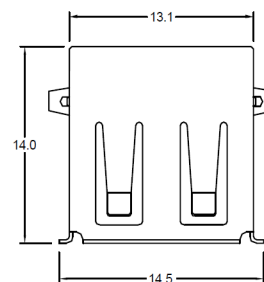
Plating Option

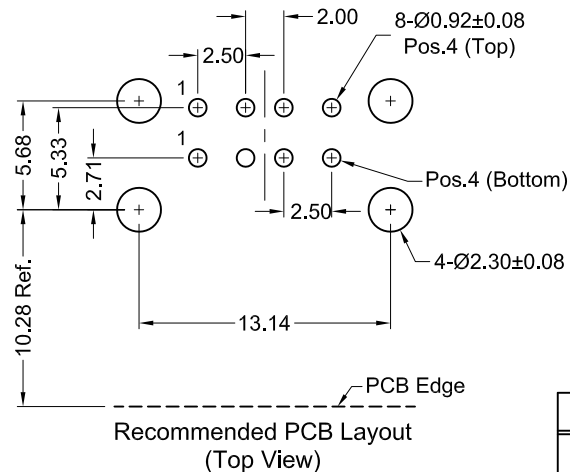
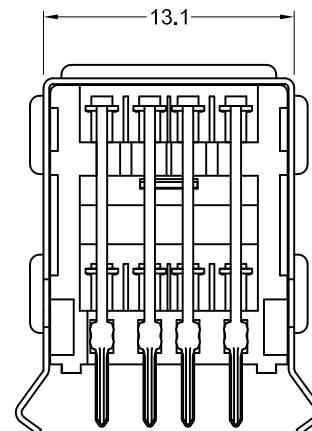
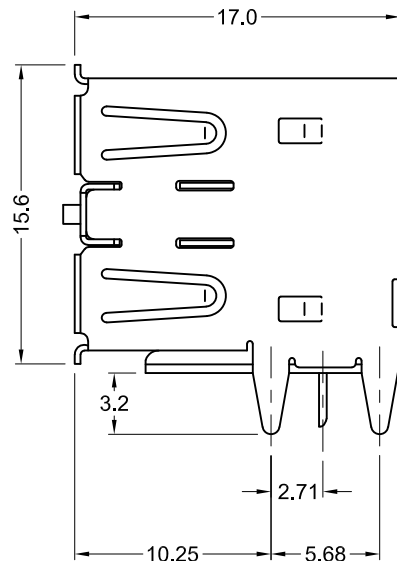
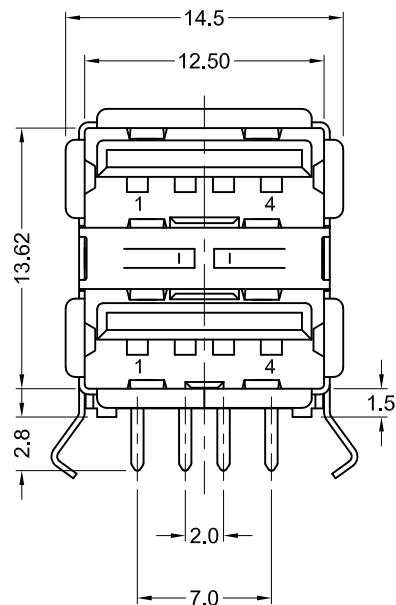
Blank - Gold Flash

30 - 30μ" Gold Plating

KUSBX-AS1N

Dimensions in mm





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

Materials and Finish

Insulator: PBT thermoplastic,
UL94V-0 rated, black or white color

Contact Material: phosphor bronze

Contact Plating Options:

Standard: gold flash on contact area,
120u" tin on soldertails, all over
50u" nickel underplate

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

Shell: Brass
Nickel plated

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

Durability: 1500 mating cycles min.

Mechanical Specifications:

Insertion Force: 3.57kg max.

Extraction Force: 1.02kg min.

Operating Temperature: -40°C to +85°C



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

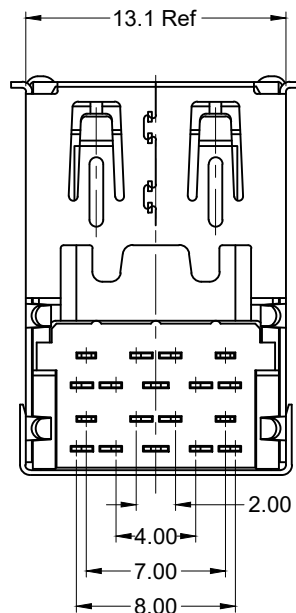
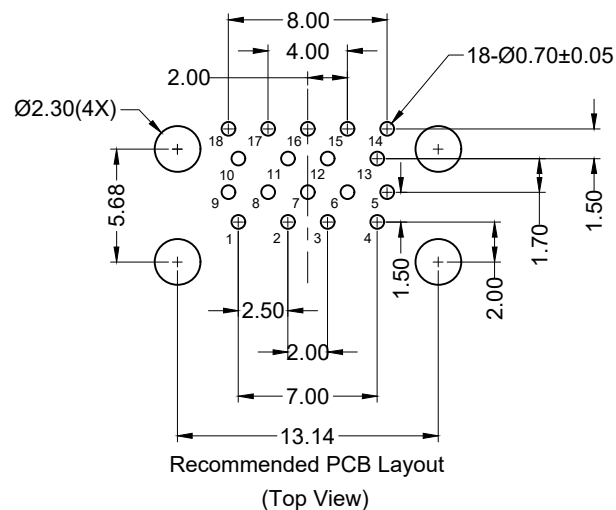
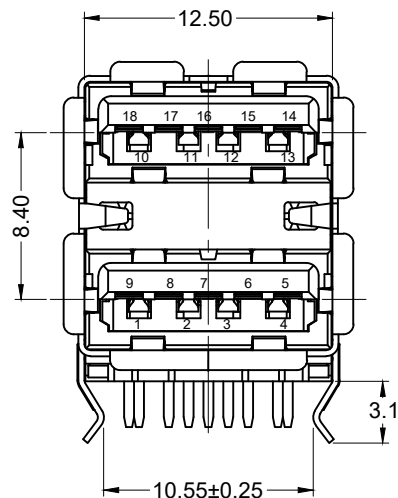
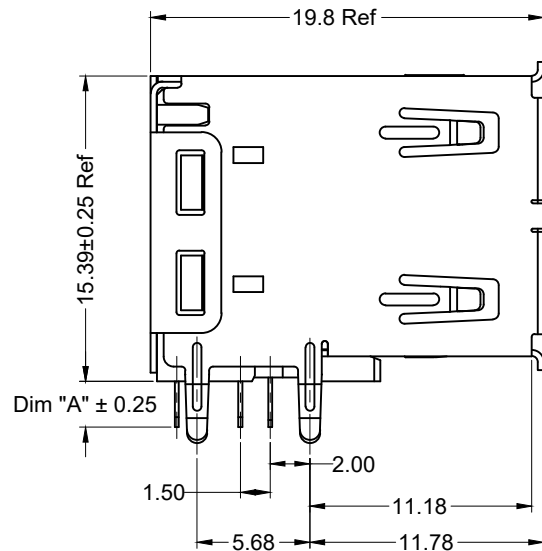
REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	8/1/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	7/28/05
A2	04/26/10	ECO #10-023	S. Vien	H. MA		
A3	09/29/11	ECO #11-064	S. Vien	H. MA		
A4	05/08/13	ECO #13-020	W. Cook	P. DalCanto		
A5	07/16/18	Update Address & RoHS	C. Kelleher	C. Furumasa		

KUSBX-AS2N-x

Stacked USB A Type Jack, RoHS Compliant

Through Hole, Right Angle





Material and Finish

Housing: PBT+30%GF UL94V-0
Color: Blue

Contact A (4 Pin): Phosphor Bronze;
Contact B (5 Pin): Brass;

Plating Options:

30 Option: 30u" Gold plating
over Nickel on contact area;
Tin Plating on Solder Tail.

Shell(Front): Brass,
Nickel Plating.

Shell(In)&Shell(Back):
Stainless steel.

Electrical Specification

Current Rating:

1.8 Amp

Insulation Resistance:

100 Megohm Min

Contact Resistance:

30 milliohm Max

Dielectric Withstanding Voltage:

100V AC Min

Mechanical Characteristics

Insertion Force:

2.5Kg Max

Withdrawal Force:

1.0-2.5Kg

Durability:

5000 Cycles

Operating Temperature:

-40°C to +85°C.

Pin Number	Signal Name
1	10 VBUS
2	11 D-
3	12 D+
4	13 GND
5	14 StdA_SSRX-
6	15 StdA_SSRX+
7	16 GND-DRAIN
8	17 StdA_SSTX-
9	18 StdA_SSTX+

Part Number	Dim "A"	Plating Option
KUSBX-AS2N9-1-BL30	2.15	30u" Gold (30 Option)
KUSBX-AS2N9-2-BL30	3.10	30u" Gold (30 Option)

TOBY
toby.co.uk

RoHS COMPLIANT

Tolerances
X.X ± 0.38
X.XX ± 0.25
Unless Stated
Otherwise

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A2	11/22/10	Add Option	P. DalCanto	H. MA	S. Vien	09/17/10
A3	02/17/11	ECO #11-014	S. Vien	H. MA		
A4	07/21/11	ECO #11-047	S. Vien	H. MA		
A5	05/08/13	ECO #13-020	W. Cook	P. DalCanto		
A6	01/12/16	Update Address	C. Kelleher	N/A		
A7	06/18/20	ECO #20-015	C. Kelleher	D. Shehan		

KUSBX-AS2N9-x-BL30

Right Angle Stacked Type A Rectpacle

USB 3.2 Gen 1, Blue, Through Hole

