samtec



USB–A–D–S–B–TH

USBR–A–S–F–O–TH





USB–A–S–F–B–VU

USB–AM–S–F–W–TH



**USB-A, USBR-A, USB-AM SERIES**

# STANDARD & RUGGED USB 2.0

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?USB-A, www.samtec.com?USBR-A or www.samtec.com?USB-AM

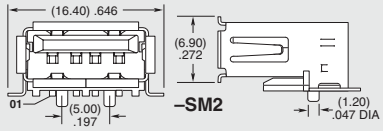
**Insulator Material:**
High Temperature Thermoplastic
**Contact Material:**
Phosphor Bronze
**Plating:**
Gold on Contacts, Nickel on Shell, Tin on Tails
**Operating Temp Range:**
-50 °C to +85 °C
**Voltage Rating:**
30 VAC
**Cycles:**
1500 (max tested)
**Packaging:**
Packaged and shipped in Bulk Packaging Trays; Trays suitable for automation available
**RoHS Compliant:**
Yes
**Lead–Free Solderable**
–TH & –VU=Yes
(Wave Solder only)
**TID Numbers (USB-A):**
USB-A-D-X-X-TH (61001199)
USB-A-S-X-X-TH (61001180)
USB-A-S-X-X-SM2 (61001152)
**TID Number (USB-AM):**
USB-AM-S-X-X-SM (61001154)

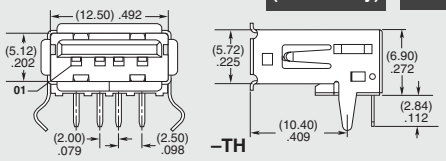
## RECOGNITIONS

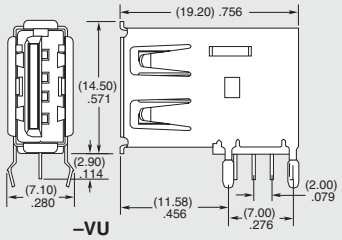
For complete scope of recognitions see www.samtec.com/quality

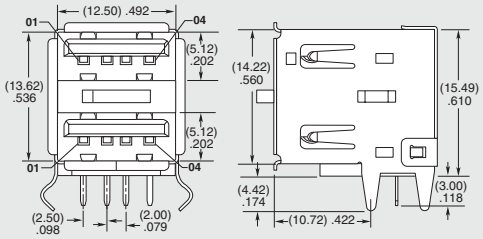
FILE NO. E111594

| TYPE | A | SHELL TYPE | PLATING | COLOR | TERMINATION |
|---|---|---|---|---|---|
| **USB** = Standard Connector<br>**USBR** = Increased Retention Connector (Complies with Class 1, DIV II minimum withdrawal requirement of 15N.) | | **–S** = Single<br>**–D** = Double (–TH option only) | **–F** = Gold Flash on Mating Area, Tin on Tails<br>**–S** = 30 µ" (0.76 µm) Gold on Mating Area, Tin on Tails | **–B** = Black (USB only)<br>**–W** = White (USB only)<br>**–O** = Orange (USBR only) | **–TH** = Through-hole<br>**–SM2** = Surface Mount (USB only)<br>**–VU** = Upright, Through-hole |

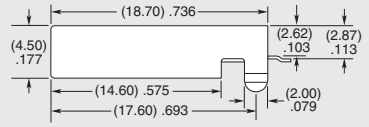


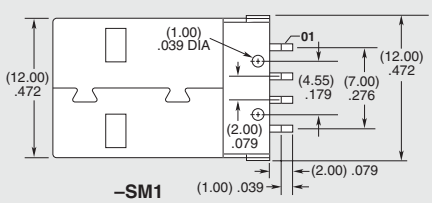



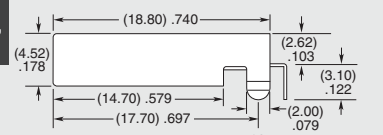



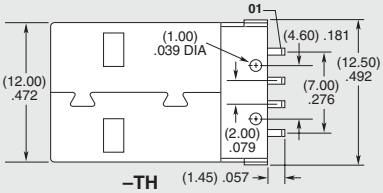




| USB | TYPE | SHELL TYPE | PLATING | COLOR | TERMINATION |
|---|---|---|---|---|---|
| | **–AM** = A Type (Plug) | **–S** = Single | **–F** = Gold Flash on Mating Area, Tin on Tails<br>**–S** = 30 µ" (0.76 µm) Gold on Mating Area, Tin on Tails | **–B** = Black<br>**–W** = White | **–TH** = Through-hole<br>**–SM1** = Surface Mount |



# Unikeyic Electronics

Global Electronic Components Distributor

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## samtec:

IPBT-103-H1-T-S-RA-K TFM-115-02-L-D-LC TSW-111-07-G-D IPBS-115-01-T-D-GP TSW-103-07-T-D CES-112-01-T-S ERF8-035-05.0-L-DV-K-TR ESQ-106-33-L-D FJ-15-D-15.75-4 MMS-110-01-L-SV HTST-108-01-L-DV-P-TR ISDF-06-S-R LSS-140-01-L-DV-A SEAF-20-06.5-S-06-2-A-K-TR SFM-115-02-S-D-A-P TSDF-03-S-S CLM-104-02-F-D-BE FTSH-110-01-L-D-K SQT-120-01-L-D-RA BBL-102-T-E CES-108-02-T-S MMS-114-02-L-DV SLM-118-01-G-S SQT-110-01-L-S-RA TSW-150-08-T-S PCIE-164-02-F-D-TH FTE-110-01-G-DV HTSS-110-04-S-D-RA MMT-110-01-L-DH FTS-102-02-F-DV-TR