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

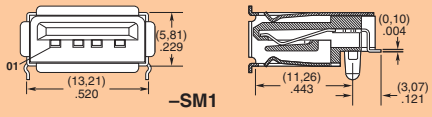
STANDARD & RUGGED USB INTERFACES

SPECIFICATIONS

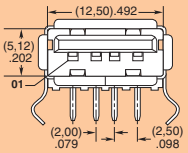
For complete specifications and recommended PCB layouts see www.samtec.com?USB-A or www.samtec.com?USBR-A

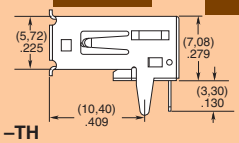
Insulator Material: High Temperature Thermoplastic
FILE NO. E111594
Contact Material: Phosphor Bronze
Shell Material: Copper Alloy
Plating: Gold on Contacts, Nickel on Shell, Tin on Tails
Operating Temp Range: -50°C to +85°C
Current Rating: 1 A per contact
Voltage Rating: 30 VAC
Contact Resistance: 30 mΩ max
Cycles: 1500 (maximum number of cycles tested)
Packaging: Packaged and shipped in Bulk Packaging Trays; Trays suitable for automation are available upon request.
RoHS Compliant: Yes
Lead–Free Solderable: –SM1=Yes
–TH & –VU=Yes
(Wave Solder only)

TYPE	–	A	–	SHELL TYPE	–	PLATING	–	COLOR	–	TERMINATION
USB = Standard Connector **USBR** = Increased Retention Connector (Complies with Class 1, DIV II minimum withdrawal requirement of 15N.)				**–S** = Single **–D** = Double (–TH option only)		**–S** = 30µ" (0,76 µm) Gold on Mating Area, Tin on Tails **–F** = Gold Flash on Mating Area, Tin on Tails		**–B** = Black **–W** = White **–O** = Orange (USBR only)		**–TH** = Through-hole **–SM1** = Offset Surface Mount **–VU** = Upright, Through-Hole

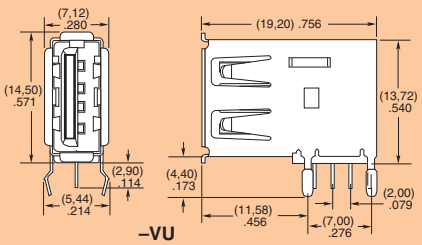


–SM1

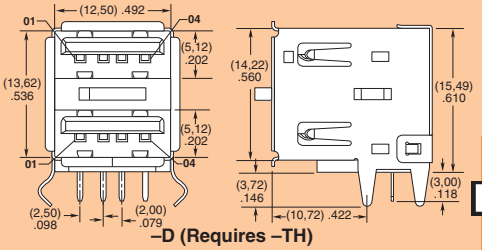




–TH



–VU



–D (Requires –TH)

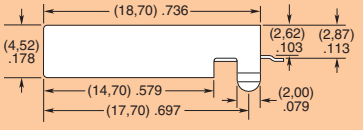
RUGGEDIZED by SAMTEC
• High retention option

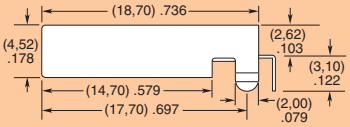
SPECIFICATIONS

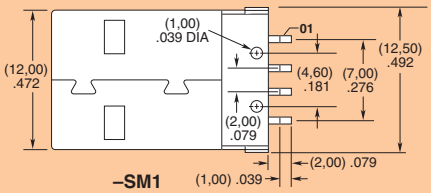
For complete specifications and recommended PCB layouts see www.samtec.com?USB-AM

Insulator Material: High Temperature Thermoplastic
FILE NO. E111594
Contact Material: Phosphor Bronze
Shell Material: Copper Alloy
Plating: Gold on Contacts, Nickel on Shell, Tin on Tails
Operating Temp Range: -50°C to +85°C
Current Rating: 1 A per contact
Voltage Rating: 30 VAC
Contact Resistance: 30 mΩ max
Cycles: 1500 (maximum number of cycles tested)
Packaging: Packaged and shipped in Bulk Packaging Trays; Trays suitable for automation are available upon request.
RoHS Compliant: Yes
Lead–Free Solderable: –SM1=Yes
–TH=Yes (Wave Solder only)

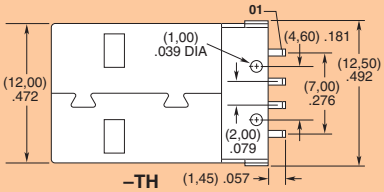
USB	–	TYPE	–	SHELL TYPE	–	PLATING	–	COLOR	–	TERMINATION
		–AM = A Type (Plug)		**–S** = Single		**–S** = 30µ" (0,76 µm) Gold on Mating Area, Tin on Tails **–F** = Gold Flash on Mating Area, Tin on Tails		**–B** = Black **–W** = White		**–TH** = Through-hole **–SM1** = Surface Mount







–SM1



–TH

Due to technical progress, all designs, specifications and components are subject to change without notice.

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