

MICRO SWITCH offers the most complete line of keyboards from a single source. We have over 1,500 different designs, from a simple 12/16-key wired-only board to intelligent keyboards with over 100 keys and options that meet just about any application. You can choose from a virtually endless combination of keytop legends, shapes and colors in sloped, stepped or sculptured versions. Our wide choice allows you to select only the features/functions required for your application needs thus keeping your costs down.

MICRO SWITCH Silent-Tactile ST Series keyboards feature quiet operation and positive tactile feel that helps reduce user fatigue

and decrease errors. A recent study comparing two widely used keyboards to ST revealed that both expert and occasional typists preferred to use ST, and maintained a higher level of throughput while doing so.

All ST keyboards are designed to meet European ergonomic standards. These standards (DIN) state the keyboard (mounted in an enclosure) must be no more than 30 mm (1.18") when measured from the middle of the home row to the table top. ST keyboards are specified as 19,05 mm (.750" nominal) from the middle of the keytop in the home row to the bottom of the backing board.

This comparison guide summarizes applications and features for ST General Sales Keyboards. These keyboards can be used for prototype and evaluation purposes and in some cases, may meet your production requirements. However, where production quantities are involved, it is our intention to assist you in specifying keyboards that are exactly suited to your needs, with the most economical price possible. For a more detailed description of any keyboard described, request a product sheet from your nearest MICRO SWITCH Authorized Distributor or Sales Office.

Keyboard Comparison Guide

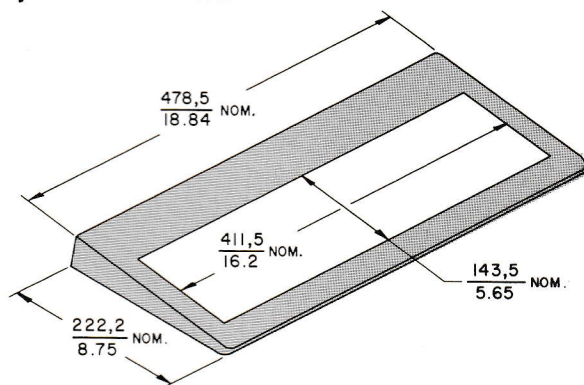
ST SERIES COMPARISON GUIDE

Typical Applications	Keyboard Listing	Number of Keys	Key Array Features	Enclosure Style	Keyboard Features
Numeric Entry	12ST22-1	12	3 by 4 Block Array	None	X-Y Wired-Only Matrix, Pigtail Termination
	16ST22-1	16	4 by 4 Block Array	None	X-Y Wired-Only Matrix, Pigtail Termination
Typewriter	58ST13-1	58	Alpha/Numeric, Status LED For Shift Lock	(A)	USASCII Encoded, Serial Or Parallel Data Outputs
Interactive Display Terminals	63ST22-1	63	Alpha/Numeric, Communication Oriented	(A)	X-Y Wired-Only Matrix, Pigtail Termination
	63ST13-1	63	Alpha/Numeric, Status LED For Shift Lock, Communication Oriented	(A)	USASCII Encoded, Serial Or Parallel Data Outputs
Editing Terminals	83ST13-5 (DEC VT-100)	83	DEC VT-100 Compatible Key Array, 8 User Defined LEDs	(A)	USASCII Encoded, Serial Or Parallel Data Outputs Multiple Interface Options
	87ST13-1 (IBM 3278)	87	IBM 3278 Compatible Key Array	(A)	IBM Key Encoded, Operate/Release Codes, Serial Output, Auto Repeat
	105ST13-4 (DEC VT-200)	105	DEC VT-200 Compatible Key Array, 3 User Defined LEDs	(D)	USASCII Encoded, Serial Output, Multiple Interface Options
	122ST13-2 (IBM 3179/3180)	122	IBM 3179/3180 Compatible Key Array	(F)	IBM 3179/3180 Plug Compatible Electrical Interface, Audio Feedback
Personal Computer	83ST13-1 (IBM PC)	83	IBM PC Compatible Key Array, Status LEDs For Caps & Numeric Lock Keys	(E or C)	IBM PC Plug Compatible Electrical Interface
	83ST13-20 (IBM PC)	83	IBM PC Compatible Key Array, Status LEDs For Caps & Numeric Lock Keys	(E)	USASCII Encoded, Multiple Interface Options (Including IBM Plug Compatible)
	84ST13-1 (IBM PC)	84	Enhanced IBM PC Key Array, Status LEDs For Caps & Numeric Lock Keys	(E)	USASCII Encoded, Multiple Interface Options (Including IBM Plug Compatible)
	84ST13-2 (IBM PC-AT)	84	IBM PC-AT Compatible Key Array	(C)	IBM PC-AT Plug Compatible Electrical Interface, Optional IBM PC Plug Compatible
	98ST13-3 (IBM PC)	98	Enhanced IBM PC Key Array, Separate Cursor Keys, Numeric Key Pad	(D)	USASCII Encoded, Multiple Interface Options, Including IBM PC Plug Compatible
	98ST13-4 (IBM PC-AT)	98	Enhanced IBM PC-AT Key Array, Separate Cursor Keys, Numeric Key Pad	(D)	IBM PC-AT Plug Compatible Electrical Interface, Optional IBM PC Plug Compatible
	122ST13-12 (IBM 3270 PC)	122	IBM 3270 PC Compatible Key Array	(F)	IBM 3270 PC Plug Compatible Electrical Interface
	122ST13-14 (IBM 3270 PC)	122	IBM 3270 PC Compatible Key Array	(F)	IBM PC Plug Compatible Electrical Interface, Optional IBM PC-AT Plug Compatible
General Purpose Keyboards	90ST13-1	90	Alpha/Numeric Array, Numeric Key Pad, 20 Special Function Keys	(B)	Serial Or Parallel Outputs, USASCII Encoded, Multiple Interface Options
	103ST13-1	103	Alpha/Numeric Array, Cursor Control Keys, Numeric Key Pad, 14 Relegendable Function Keys	(B)	Serial Or Parallel Outputs, USASCII Encoded, Multiple Interface Options
	105ST13-1	105	Alpha/Numeric Array, Cursor Control Keys, Numeric Key Pad, 20 Special Function Keys	(B)	Serial Or Parallel Outputs, USASCII Encoded, Multiple Interface Options

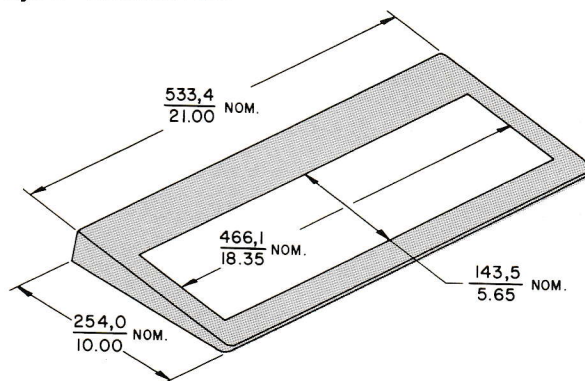
LOW PROFILE (30 mm) ENCLOSURES

MOUNTING DIMENSIONS 0.00 inches
(For Reference Only) 0,0 mm

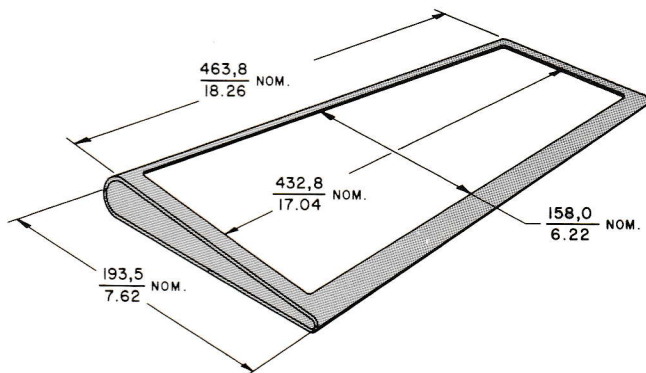
Style A - Structural Foam



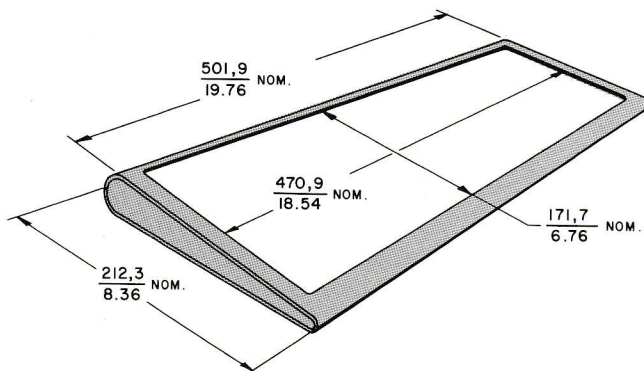
Style B - Structural Foam



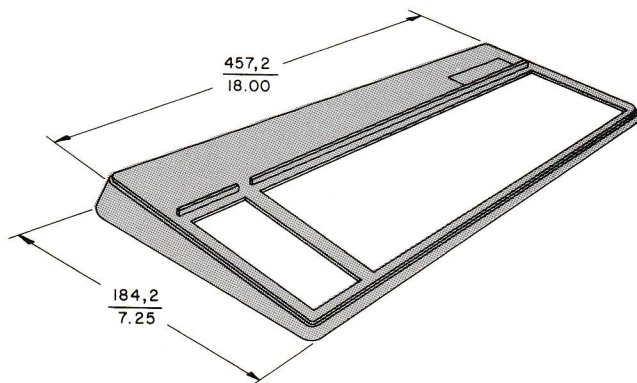
Style C - Injection Molded



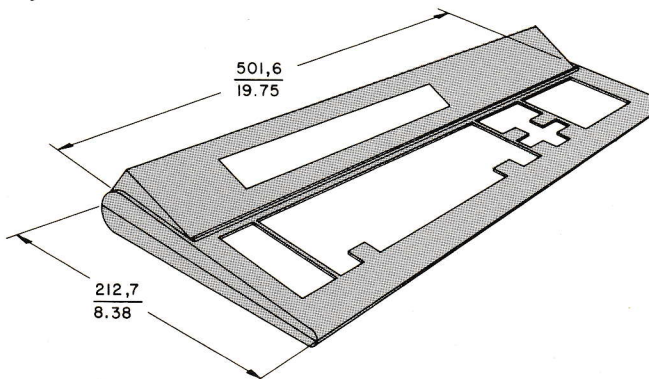
Style D - Injection Molded



Style E - 83ST and 84ST Series



Style F - 122ST Series



Low Profile Silent-Tactile Keyboards Comparison Guide

ST Series



LOW PROFILE CUSTOM ENCLOSURES

MICRO SWITCH offers a full-line of standard enclosures which comply with the European DIN requirements. All enclosures provide complete final package requirements for detached keyboard assemblies and are furnished with an angle adjustment feature.

Styles A and B (see page 3) are intended for low volume requirements with maximum flexibility. These enclosures are molded from high strength structural foam with a metal base. This technology offers maximum color and cut out flexibility with fast turnaround.

Styles C and D are cost-effective designs for medium and high volume applications. These enclosures are manufactured from high strength injection molded plastic. Standard enclosures have a matte finish and are offered in a cloud white. Custom colors can be provided.

For a minimum tooling charge enclosure styles A, B, C and D can be molded to accommodate any key array that fits within the specified dimensions.

Enclosure styles E and F are dedicated to the 83ST and 84ST Series (IBM PC) and 122ST Series (IBM 3179/3180, 3270 PC) key arrays.

All ST Low Profile Silent-Tactile keyboards intended for detachable use are stocked with enclosure and 6 foot (extended length) coiled cord or as a keyboard unit only.

SALES AND SERVICE

MICRO SWITCH field engineers in sales offices throughout the United States, Canada and Europe are ready to work with you in satisfying your product and applications requirements: proper selection, pricing and delivery scheduling. These specialists will provide sound and practical answers to your needs.

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While we provide application assistance on all MICRO SWITCH products, personally and through our literature, it is up to the customer to determine the suitability of the product in the application.

Together, we can find the answers.

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