

Integrate these switches with your front panel.

Semi-Custom Membrane Keypads

- ★ For prototypes and short production runs.
- ★ Stock keypads ready for your choice of overlay.
- ★ The advantages of a custom keypad without the high tooling costs.
- ★ Stock overlays and edge panels for some sizes.



Specifications:

Contact Rating : 15V DC 5mA
 Insulation Resist. : 100 MΩ min.
 Circuit Resistance : 150 Ω max.
 Contact Travel / Operating Force:
 DS series 0.15-0.2 mm/100-300g
 DT series 0.15-0.5 mm / 450g
 Operating Temp. : 0°C ~ +50 °C
 Lifetime :
 DS series
 3,000,000 operations Min.
 DT series
 1,000,000 operations Min.

DS Series - Standard Type Switch

These keypads are the most commonly used.

Part Number	Keypad Layout	Size (mm)	Circuit	Stock Overlay
50-DS02C	* 1 x 2	* 34 x 85	Common Buss	Not Available
50-DS10C	* 1 x 10	* 34 x 187	Common Buss	Not Available
50-DS12	3 x 4	68 x 85	X-Y Matrix	Available
50-DS12C	3 x 4	47 x 64	Common Buss	Available
50-DS16	4 x 4	85 x 85	X-Y Matrix	Available
50-DS24	4 x 6	85 x 119	X-Y Matrix	Available
50-DS32	* 4 x 8	* 75 x 135	X-Y Matrix	Not Available
50-DS40	4 x 10	85 x 187	X-Y Matrix	Available

* Can be cut into different configurations.

DT Series - Tactile Type Switch

With integral stainless steel domes to give operator feedback.

Part Number	Keypad Layout	Size (mm)	Circuit	Stock Overlay
50-DT02C	* 1 x 2	* 34 x 85	Common Buss	Not Available
50-DT04	1 x 4	34 x 85	X-Y Matrix	Available
50-DT10C	* 1 x 10	* 34 x 187	Common Buss	Not Available
50-DT12	3 x 4	68 x 85	X-Y Matrix	Available
50-DT12C	3 x 4	47 x 64	Common Buss	Available
50-DT16	4 x 4	85 x 85	X-Y Matrix	Available
50-DT24	4 x 6	85 x 119	X-Y Matrix	Available
50-DT40	4 x 10	85 x 187	X-Y Matrix	Available

* Can be cut into different configurations.

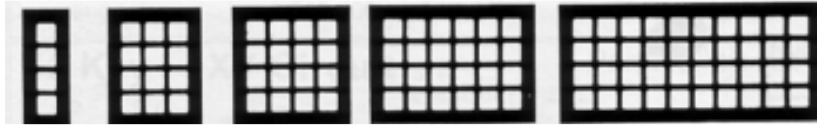
Hi-Q Components

Hi-Q Electronics Ltd, PO Box 302 015, North Harbour, Auckland, New Zealand Ph + 64 9 415 3333 Fax + 64 9 415 8686

Items to give a professional look for your prototype or short run.

Overlays

Consist of two layers - a black polyester mask with a clear non-reflecting window.



OV04 OV12 OV16 OV24 OV40

Part Number	Size (mm)	For use with Switch Part No.
50-OV04	34 x 85	DS04 or DT04
50-OV12	68 x 85	DS12 or DT12
50-OV12A	47 x 64	DS12C
50-OV16	85 x 85	DS16 or DT16
50-OV24	119 x 85	DS24 or DT24
50-OV40	187 x 85	DS40 or DT40



OV12A

Suggested Assembly



1. Place the desired colour pad over each key position.



2. Apply transfer lettering to the colour pad. The colour pad will also accept felt tip marker pen.



3. Remove the separator paper from the top of the switch then carefully place the overlay onto the adhesive on the switch.



4. When ready to mount the switch using the self adhesive on the edge panel place it over the completed switch to finish the keypad

Colour Pads

Part No 50-K100P

Pe-cut adhesive polyester labels are available to stick onto the key positions. They will accept a felt tip pen or transfer lettering. One package contains a sheet (16 squares) of each of the 6 colours available - White, Silver, Grey, Red, Orange & Blue.

Edge Panels

Edge panels are made of moulded ABS plastic mounted with adhesive. Adds finishing touch and protects switch.

Part Number	Size (mm)	For use with Switch Part No.
50-EP04	49 x 100	DS04 or DT04
50-EP12	83 x 100	DS12 or DT12
50-EP16	100 x 100	DS16 or DT16
50-EP24	134 x 100	DS24 or DT24
50-EP40	202 x 100	DS40 or DT40

Connectors

Double side contacts for reliability and versatility.

Part Number	Size(mm) A B	For use with Switch Part No.
50-KCD05	20.9 17.9	DS2C,32
50-KCD07	23.4 20.4	DS70
50-KCD08	26.0 23.0	DS04,12,16,32,80,128(3)
50-KCD10	31.0 28.0	DS24,70,80
50-KCD11	33.6 30.6	DS10C
50-KCD13	38.7 35.7	DS12C,40