

Membrane keypads

Membrane keypads for all kind of applications •
standard keypads or 100% customised keypads



DISTINCTIVE FEATURES

- Digital or silk screen printed overlay
- Entirely customizable graphic design
- Reduced space requirement (thickness of some mm)
- Most affordable control system



ENVIRONMENTAL SPECIFICATIONS

- Operating temperature :
Standard non illuminated keypads: -25 °C to +65 °C (-13 °F to +149 °F)
Standard illuminated keypads: -30 °C to +55 °C (-22 °F to +131 °F)
- Storage temperature :
Standard non illuminated keypads: -30 °C to +85 °C (-22 °F to +185 °F)
Standard illuminated keypads: -40 °C to +60 °C (-40 °F to +140 °F)
- Sealing IP65 according to IEC 40529
- Endurance : 1 000 000 operations



ELECTRICAL SPECIFICATIONS

- Contact voltage rating : 24V DC (min 1 V, max 50 V)
- Contact current rating : 30 mA
- Contact resistance : 1 ohm/cm (with 1 mm track)
- Insulation resistance at 100 V : >100 Mohms
- Contact bounce : 5 ms @ 5 V
- Dielectric strenght : 250 V rms



GENERAL SPECIFICATIONS

- Contact force :
Standard non illuminated keypads: 2,5 N
Standard illuminated keypads: 4 N
- Stroke :
Standard non illuminated keypads: 0,48 mm
Standard illuminated keypads: 0,85 mm

The company reserves the right to change specifications without notice.



ERMEC, S.L. BARCELONA
C/ Francisc Teixidó, 22
08918 Badalona SPAIN

Tel. +34 902 450 160
info@ermec.com
www.ermec.com

ERMEC, S.L. - MADRID
C/ Puerto Rico, 4
28222 Majadahonda (Madrid) SPAIN

bilbao@ermec.com
portugal@ermec.com



Membrane keypads

Membrane keypads for all kind of applications • standard keypads or 100% customised keypads



MATERIALS

- Front overlay : Polyester 150 µm
- Rear adhesive : DS397
- Metal domes 10x10 mm

APEM products may be recycled at end-of-life for the re-claiming of valuable metal components.



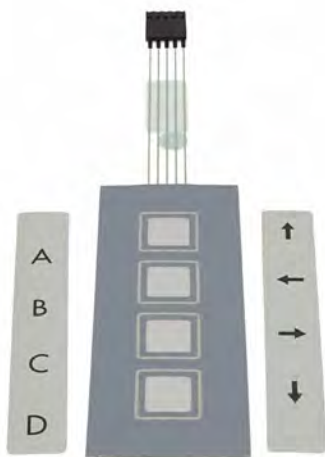
EXTRA FEATURES AVAILABLE ON REQUEST

- Different material (type/thickness) and design for front overlay
- Different rear adhesive
- Specific embossing (Various form and dimensions possible, full embossing or finger guide)
- ESD and EMC robustness (Shielding)
- Pitch tail (from 0,5 to 2,54 mm)
- With or without snap domes and with or without tactile effect.
- Specific connector and tail shape
- Mechanical support (plastic , metal, ...)
- Sealed up to IP67 with specific design
- Visual feedback option with various colors : LED indicators or Backlighting (with individual control possibilities)
- Opened or protected windows
- Specific control and labelling
- Serial number management
- Insert label

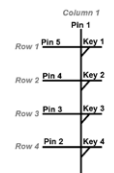
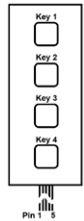
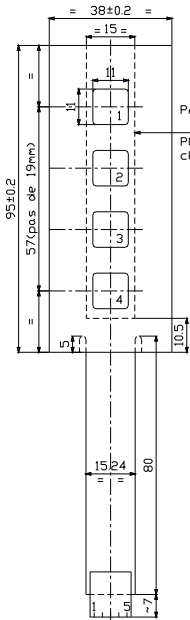
Membrane keypads

Membrane keypads for all kind of applications • standard keypads or 100% customised keypads

4 KEYS , WITH SNAP DOMES - AND MARKING LABELS PROVIDED



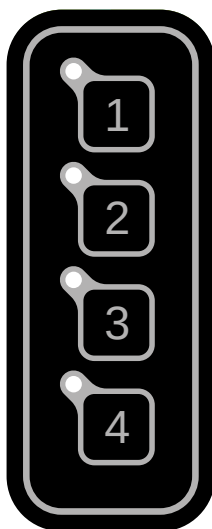
CCM4TR



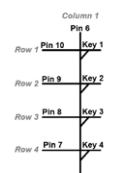
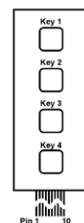
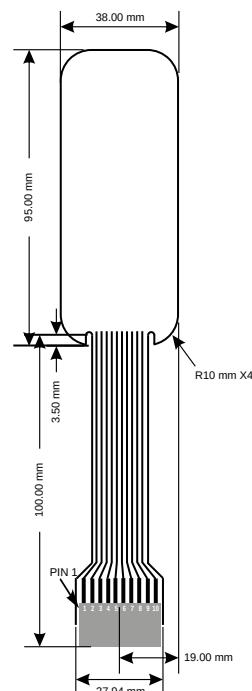
Schematics

Crimpflex female connector 5 pins pitch 2,54mm : ref E200F05.

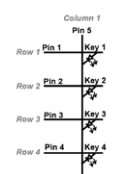
4 KEYS, WITH SNAP DOMES AND 4 LED INDICATORS



AC3559ILL



Switch schematics



Red LED schematics

Female Connector 10 pins pitch 2,54 mm

Membrane keypads

Membrane keypads for all kind of applications • standard keypads or 100% customised keypads

12 KEYS , WITH SNAP DOMES AND MARKING LABELS PROVIDED



CCM12TR

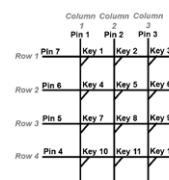
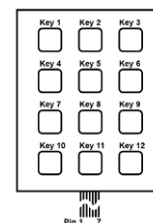
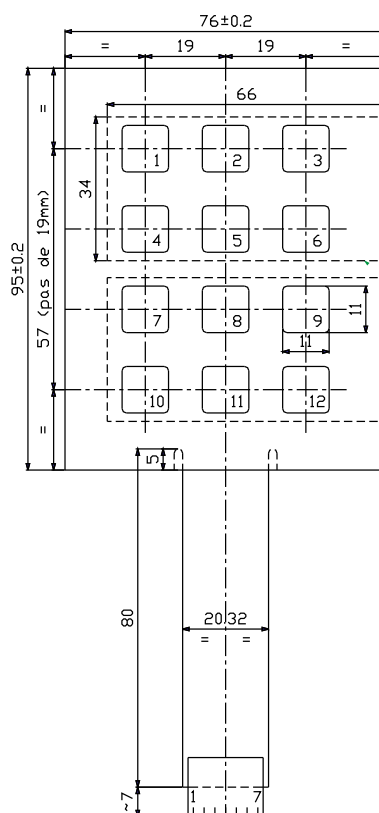
Crimpflex female connector 7 pins pitch 2,54mm : ref E200F07.

12 KEYS, WITH SNAP DOMES AND 12 LED INDICATORS

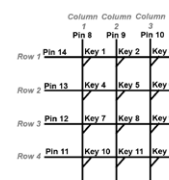
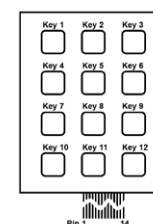
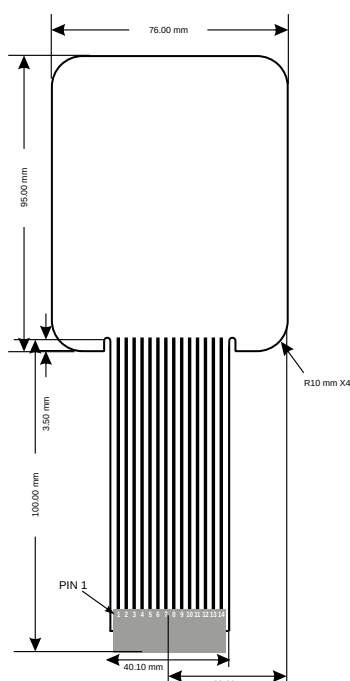


AC3560ILL

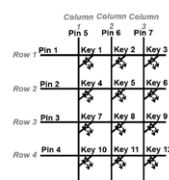
Female Connector 14 pins pitch 2,54 mm



Schematics



Switch schematics

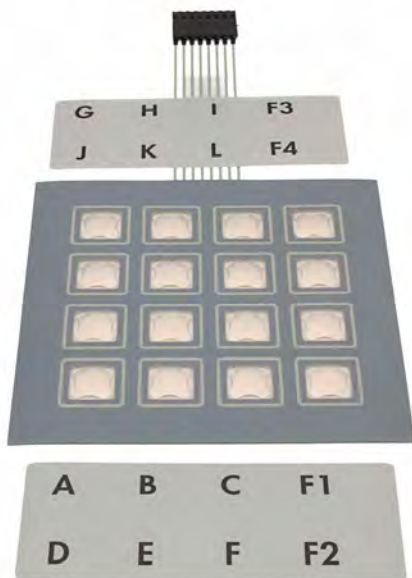


Red LED schematics

Membrane keypads

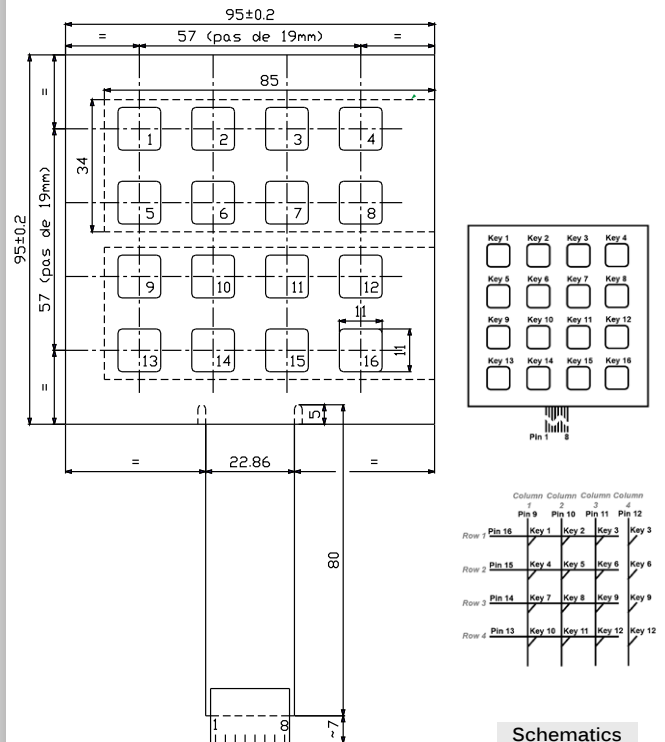
Membrane keypads for all kind of applications • standard keypads or 100% customised keypads

16 KEYS , WITH SNAP DOMES AND MARKING LABELS PROVIDED



CCM16TR

Crimpflex female connector 8 pins pitch 2,54mm : ref E20OF08.

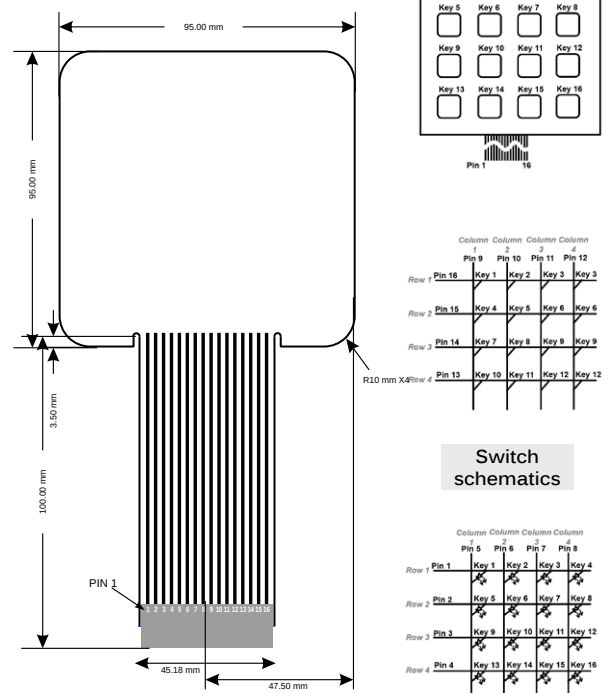


Schematics

16 KEYS, WITH SNAP DOMES AND 12 LED INDICATORS



AC3561ILL



Switch schematics

Red LED schematics

Female Connector 16 pins pitch 2,54 mm



ERMEC, S.L. BARCELONA
C/ Francisc Teixidó, 22
08918 Badalona SPAIN

Tel. +34 902 450 160
info@ermec.com
www.ermec.com

ERMEC, S.L. - MADRID
C/ Puerto Rico, 4
28222 Majadahonda (Madrid) SPAIN

bilbao@ermec.com
portugal@ermec.org