

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Tough keypads with 'snap-on' keytops for custom graphics

- Rugged, reliable and responsive data entry
- Available with optional integrated LED illumination of keytops and keytop characters
- Keytop colours and graphics can be configured to suit almost any application
- Sealed against water and dust to IP54 specification

- 4,12 and 16 key formats
- Can be fixed to a flat surface or under panel mounted for a flush, low profile installation
- Extensive library of keytop graphics and colour tiles available
- Custom keytop graphics can be created and fitted 'on-site'



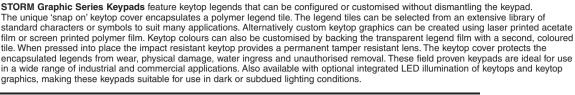






K Range Graphic Series Keypads

STORM Graphic Series Keypads feature keytop legends that can be configured or customised without dismantling the keypad. The unique 'snap on' keytop cover encapsulates a polymer legend tile. The legend tiles can be selected from an extensive library of standard characters or symbols to suit many applications. Alternatively custom keytop graphics can be created using laser printed acetate tile. When pressed into place the impact resistant keytop provides a permanent tamper resistant lens. The keytop cover protects the encapsulated legends from wear, physical damage, water ingress and unauthorised removal. These field proven keypads are ideal for use in a wide range of industrial and commercial applications. Also available with optional integrated LED illumination of keytops and keytop graphics, making these keypads suitable for use in dark or subdued lighting conditions.

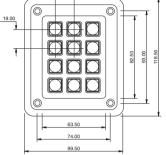


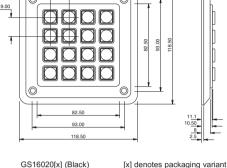




Overall Dimensions

GS12020[x] (Black)





Ø 4.5 typ

Connection Details for 4 Key Keypad

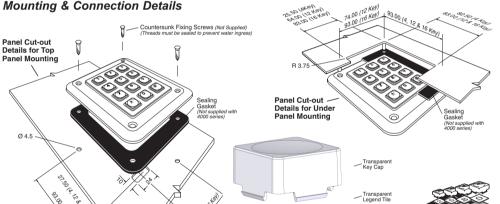
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Mounting & Connection Details

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Part No.s GS04020[x] (Black)



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Electrical

All dimensions are in mm

Contact Bounce 5ms (max) 100 ohms (max) Contact Resistance Insulation Resistance 50 Mohms (min) Breakdown Voltage 500V AC (max 60 secs.) Operating Voltage 24V DC (max) **Operating Current** 50mA (max)

Environmental

Water / Dust Sealed IP54 (when mounted to suitable enclosure) Operational Temperature -20°C to +60°C (Dry)

Mechanical

Operational Life 2 million cycles (min) per key **Keytop Travel** 1.4mm nominal **Actuation Force** 180gms nominal 0.1" pitch, gold plated square pin, Connector male connector

Material

Casing **General Service Polymer** (black or mid grey) General Service Polymer Keytops (transparent) Contact Circuit Gold on Nickel plated FR4

> Whilst every effort is made to ensure details are correct at time of print, specifications are subject to change without notice.





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For details of available STORM Graphic Series keytop character sets, please request the legend tile character library, document ref. GFX-LEG1-01