



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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

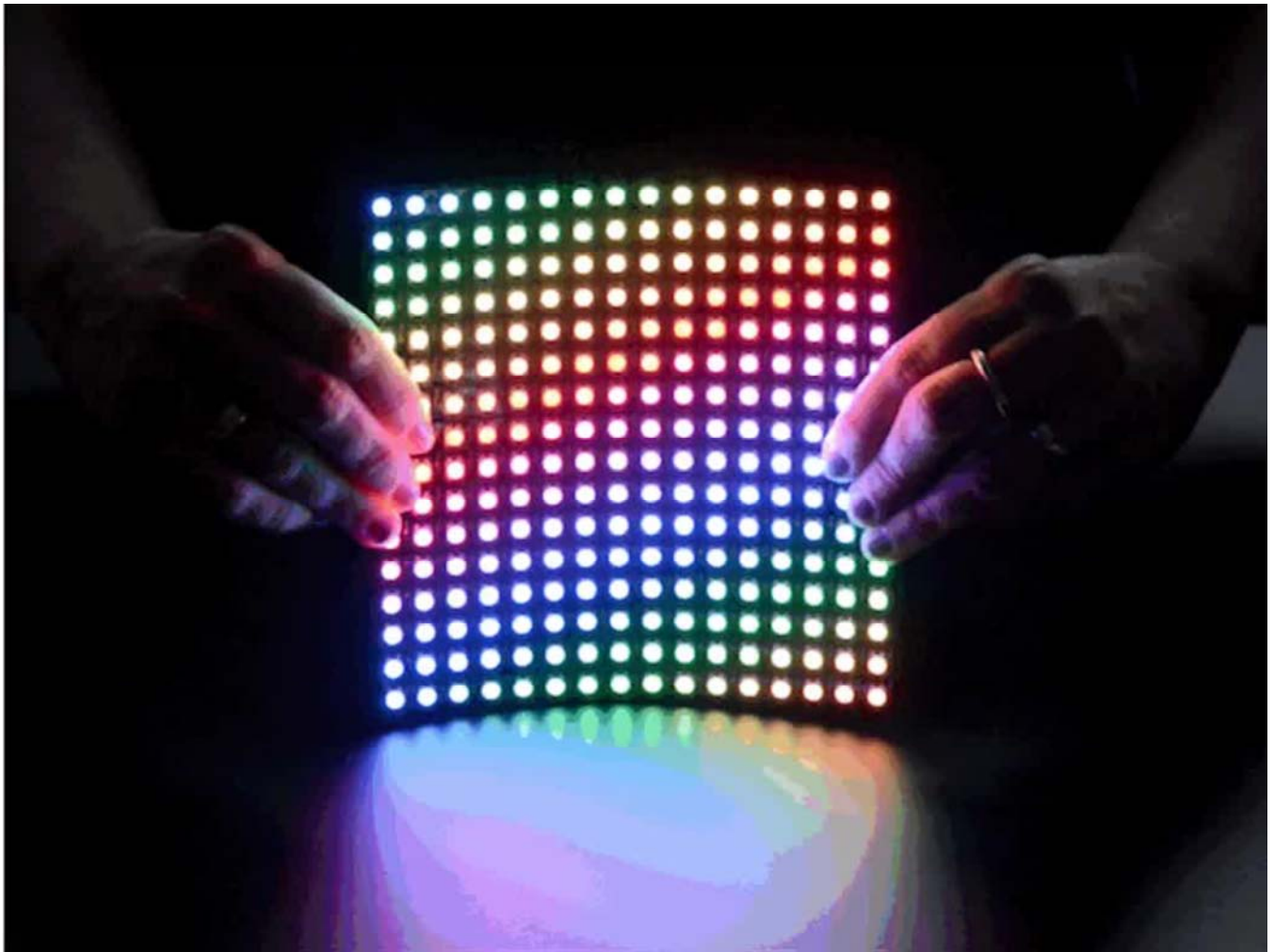
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# Flexible 16x16 NeoPixel RGB LED Matrix

PRODUCT ID: 2547



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## DESCRIPTION

For advanced NeoPixel fans, we now have a bendable, Flexible 16x16 NeoPixel LED Matrix! Control all 256 ultra-bright LEDs using a single microcontroller pin, set each LED as you wish to scroll messages or draw little images. This matrix has a thick flexible PCB backing that can be gently bent and curved around surfaces

You can use this matrix just like any other NeoPixel-compatible product.

Don't forget, with 256 LEDs, you could use over 15A of current if you turn on all the LEDs on to white (which we really do not recommend because we don't think the flex PCB can handle that much current). Try to keep the current draw at under 5A, you can use our 5V 4A or 5V 10A power supply. For portable use, if you are drawing less than 3A, try out this 5V@3A UBEC.

We also have a flexible NeoPixel Matrix in 8x32 if you love that 4:1 aspect ratio.

Please note: Flexible PCBs are not designed for repeated flexing! While we think this product may work in wearables or other situations where the matrix is bent around, we do not offer any guarantees or refunds if you end up cracking the LEDs or traces! This is for advanced users only, who already know how to use NeoPixels and are comfortable with the high current requirements and protecting the matrix from damage. There are no returns, refunds or replacements for damaged product.

Don't forget to read our NeoPixel Uber guide for more information on how to care and feed your NeoPixels!

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# Technical Details

160mm x 160mm x 2mm / 6.3" x 6.3" x 0.08"

Weight (with IDC cables): 46g