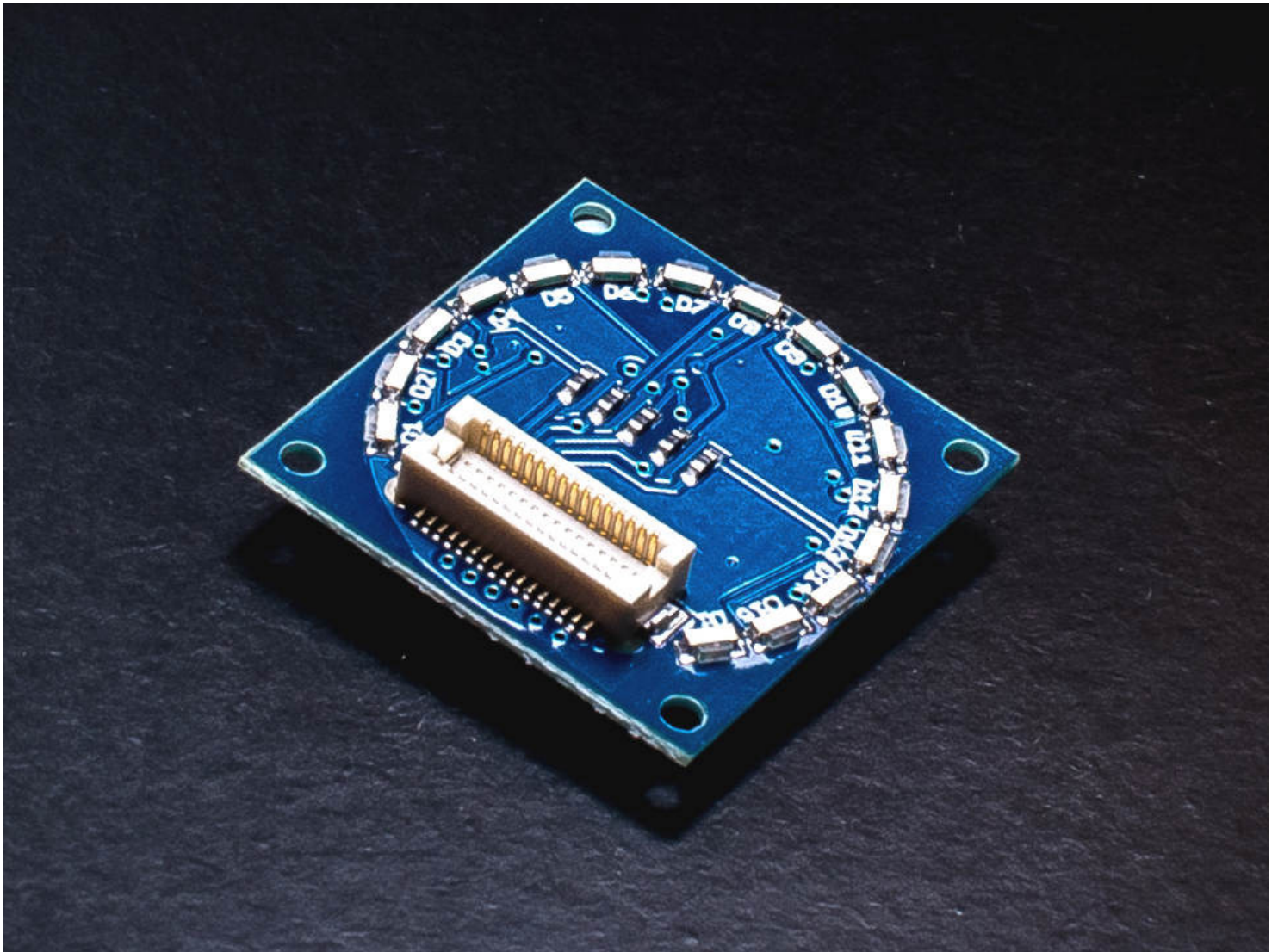


16 Edge LED TinyShield - ASD2411-R

tinycircuits.com/collections/leds-displays/products/16-edge-led-tinyshield



DESCRIPTION

The 16 Edge LED TinyShield allows some cool and easy LED indications using only five I/O signals. The 16 LEDs are mounted around the outside of the board, and can easily be seen even when the LED board is in the middle of a TinyShield stackup. The LEDs are arranged using Charlieplexing, which is a technique to allow for control of multiple LEDs using fewer I/O signals. Available with Red, Green and Amber LED color options.

To learn more about the **TinyDuino Platform**, click [here](#)

TECHNICAL DETAILS

To see what other TinyShields this will work with or conflict with, check out the [TinyShield Compatibility Matrix](#)

LED Specs

- 16 Side Mounted LEDs around the edge of the board
- Charlieplexed IO on 5 signals
- Available in Green, Amber or Red

TinyDuino Power Requirements

- Voltage: 3.0V - 5.5V
- Current:
 - 1.5mA per LED (3.0V)
 - 5.0mA per LED (5.0V)
 - Due to the low current, this board can be run using the TinyDuino coin cell option

Pins Used

- Pins 5, 6, 7, 8, and 9 are used, see schematic or sample code for connections

Dimensions

- 20mm x 20mm (.787 inches x .787 inches)
 - Max Height (from lower bottom TinyShield Connector to upper top TinyShield Connector): 5.11mm (0.201 inches)
 - Weight: 1 gram (.04 ounces)
-

Notes

- If the top connector is not needed, there is also the [Circle LED TinyShield](#) which has LEDs that circle the entire board.
 - The LEDs are hooked up using [Charlieplexing](#), a technique for driving many LEDs with only a few IO signals. See the tutorial to learn more about this and use our free library to control these easily.
-

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Daughter Cards & OEM Boards](#) category:

Click to view products by [TINY CIRCUITS](#) manufacturer:

Other Similar products are found below :

[ADZS-21262-1-EZEXT 27911](#) [MPC5777C-416DS](#) [KITMPC5744DBEVM](#) [SPC56ELADPT144S](#) [TMDXRM46CNCD](#) [DM160216](#) [EV-ADUCM350GPIOTHZ](#) [EV-ADUCM350-BIO3Z](#) [ATSTK521 1130](#) [MA160015](#) [MA240013](#) [MA240026](#) [MA320014](#) [MA330014](#) [MA330017](#) [TMDSCNCD28054MISO](#) [MIKROE-2152](#) [MIKROE-2154](#) [MIKROE-2381](#) [TSSOP20EV](#) [MIKROE-1108](#) [MIKROE-1516](#) [SPS-READER-GEVK](#) [AC244049](#) [AC244050](#) [AC320004-3 2077](#) [ATSMARTCARD-XPRO](#) [EIC - Q600 -230](#) [ATZB-212B-XPRO](#) [SPC560PADPT100S](#) [SPC560BADPT64S](#) [MA180018](#) [EIC - Q600 -220](#) [AC164134-1](#) [BOB-12035](#) [STM8/128-D/RAIS](#) [AC164127-6](#) [AC164127-4](#) [AC164134-3](#) [AC164156](#) [MA320021](#) [MA320024](#) [DFR0285](#) [DFR0312](#) [DFR0356](#) [MA320023](#) [MIKROE-2564](#)