

LED RING 493-01

DATASHEET AND APPLICATION NOTES

APPLICATIONS

Safety lighting in wearables, wearable LED fashion designs, flexible display screens

ADVANTAGES

Addressable light patterns, manufacturable across complex shapes and simple curvatures, bonding capabilities across all fabric types—knits, wovens and non-wovens

KEY FEATURES

Customizable designs



PRINCIPLE OF OPERATION

The LED Ring page consists of 10 addressable APA5050 LEDs that are directly attached to metal gel and make ohmic contact to the LED footprint. The Metal Gel™ conductive traces are not only a pathway for power but also capable of high-speed digital communication. Any type of chipset, like IMUs, ADCs, temperature sensors, capacitive sensors, or others requiring I2C, SPI data communication are compatible with Liquid Wire™ technology.

