



Product news

MIPI 2:1 Switch from Diodes Incorporated Offers Cost-Effective Support for Multi-Camera Devices

Plano, Texas – May 27, 2020 – Diodes Incorporated (Nasdaq: DIOD) today announced the introduction of the [PI3WVR626](#), a MIPI® D-PHY/C-PHY 2:1 switch that enables a single host device to interface with two MIPI compliant modules, helping engineers optimize the design of multi-camera cell [phones](#) and other personal computing devices.

Many consumer devices now feature multiple cameras compliant with the MIPI interface. For product designs requiring a MIPI switch with only two data lanes, the PI3WVR626 offers a lower cost alternative, addressing the need for an improved solution.

The PI3WVR626 provides 2-to-1 multiplexing via three differential channels, each able to switch high speed (HS) and low power (LP) MIPI signals. The device supports D-PHY through two data lanes and a clock lane, along with two lanes for C-PHY.

Each channel is switched using low on-resistance single-pole double-throw (SPDT) switches, which ensures low insertion loss with a break-before-make operation. The high bandwidth of 4.5GHz, coupled with low channel-to-channel skew and minimal crosstalk, means that data rates of 2.5Gbps for C-PHY operation and 3Gbps for D-PHY data can be supported. The PI3WVR626 can operate from a supply voltage of between 1.5V and 3.6V.

The [PI3WVR626](#) is offered in the X1-QFN2525-24 package and is available now, priced at \$0.35 each in 3,500 piece quantities.

MIPI® is a registered trademark owned by MIPI Alliance.

About Diodes Incorporated

Diodes Incorporated (Nasdaq: DIOD), a Standard and Poor's SmallCap 600 and Russell 3000 Index company, delivers high-quality semiconductor products to the world's leading companies in the consumer electronics, computing, communications, industrial, and automotive markets. We leverage our expanded product portfolio of discrete, analog, and mixed-signal products and leading-edge packaging technology to meet customers' needs. Our broad range of application-specific solutions and solutions-focused sales, coupled with worldwide operations of 28 sites, including engineering, testing, manufacturing, and customer service, enables us to be a premier provider for high-volume, high-growth markets. For more information visit www.Diodes.com.

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