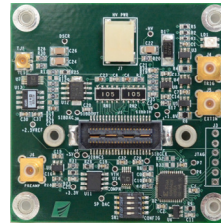


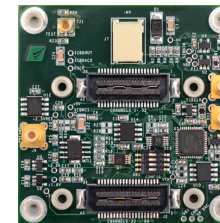
Selection Guide for SiPM & MPPC Sensor Interface Products



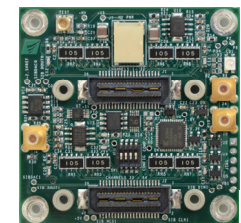
SIB616



SIB716



SIB764

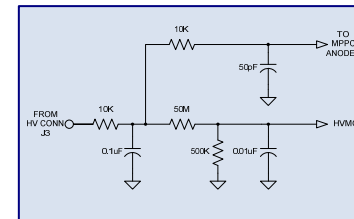
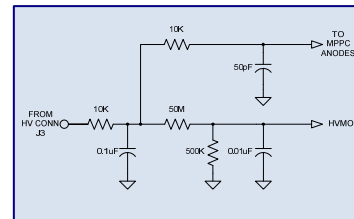


SIB464

Compatible Sensor	ArrayC-30035-16P	S13361-3050AE-04	S13361-3050NE-08	ArrayC-60035-64P
Sensor Manufacturer	SensL	Hamamatsu	Hamamatsu	SensL
Sensor Type	Silicon Photomultiplier Array	Multi-Pixel Photon Counter Array	Multi-Pixel Photon Counter Array	Silicon Photomultiplier Array
Number of Channels	16	16	64	64
Configuration	4 x 4 Array	4 x 4 Array	8 x 8 Array	8 x 8 Array
Sensor Coupling Circuit	Direct Coupled	Direct Coupled	Direct Coupled	Direct Coupled
Detector Bias Current Sense	Yes (Common for all Elements)	Yes (Common for all Elements)	Yes (Common for all Elements)	Yes (Common for all Elements)
High Voltage Power Supply	On-Board Positive Supply	External Negative Input	External Negative Input	On-Board Positive Supply

High Voltage Power Supply Interface Circuit

Low Impedance Positive Bias Supply with Current Sense



Low Impedance Positive Bias Supply with Current Sense

Pulse Processing Functions

Preamp / Discriminator with Adjustable Energy Threshold

Common Anode Current Sense with Pre-amplifier Output
Discriminator with Adjustable Threshold

Common Anode Current Sense with Pre-amplifier Output
Discriminator with Adjustable Threshold

Preamp / Discriminator with Adjustable Energy Threshold

Dimensions

57.4 mm x 57.4 mm

57.4 mm x 57.4 mm

57.4 mm x 57.4 mm

57.4 mm x 57.4 mm



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