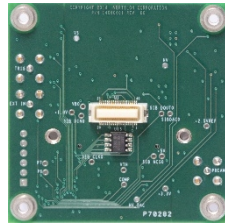
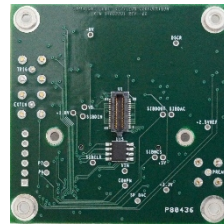


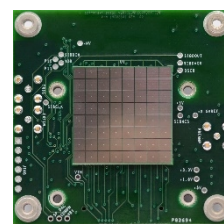
Selection Guide for SiPM & MPPC Sensor Interface Products



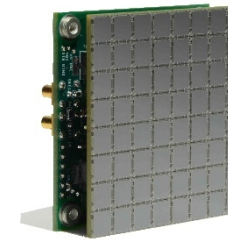
SIB616



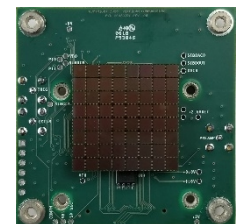
SIB716



SIB764



SIB464

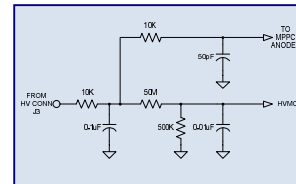
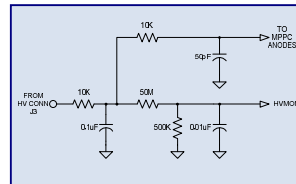


SIB864

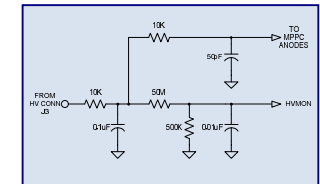
Compatible Sensor	ArrayC-30035-16P	S13361-3050AE-04	S13361-3050NE-08	ArrayC-60035-64P	PA3325-WB-0808
Sensor Manufacturer	SensL	Hamamatsu	Hamamatsu	SensL	Ketek
Sensor Type	Silicon Photomultiplier Array	Multi-Pixel Photon Counter Array	Multi-Pixel Photon Counter Array	Silicon Photomultiplier Array	Silicon Photomultiplier Array
Number of Channels	16	16	64	64	64
Configuration	4 x 4 Array	4 x 4 Array	8 x 8 Array	8 x 8 Array	8 x 8 Array
Sensor Coupling Circuit	Direct Coupled	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)	Yes (Common for all Elements)
High Voltage Power Supply	On-Board Positive Supply	External Negative Input	External Negative Input	On-Board Positive Supply	External Negative Input

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 Preamplifier Output Discriminator with Adjustable Threshold

Common Anode Current Sense with Preamplifier Output Discriminator with Adjustable Threshold

Preamp / Discriminator with Adjustable Energy Threshold

Common Anode Current Sense with Preamplifier Output Discriminator with Adjustable 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	57.4 mm x 57.4 mm
-------------------	-------------------	-------------------	-------------------	-------------------	-------------------



Vertilon Corporation has made every attempt to ensure that the information in this document is accurate and complete. Vertilon assumes no liability for errors or for any incidental, consequential, indirect, or special damages including, without limitation, loss of use, loss or alteration of data, delays, lost profits or savings, arising from the use of this document or the products which it accompanies. Vertilon reserves the right to change its products without prior notice. No responsibility is assumed by Vertilon for any infringements of patents or other rights of third parties which may result from the use of its products. No license is granted by implication or otherwise under the patent and proprietary information rights of Vertilon Corporation.