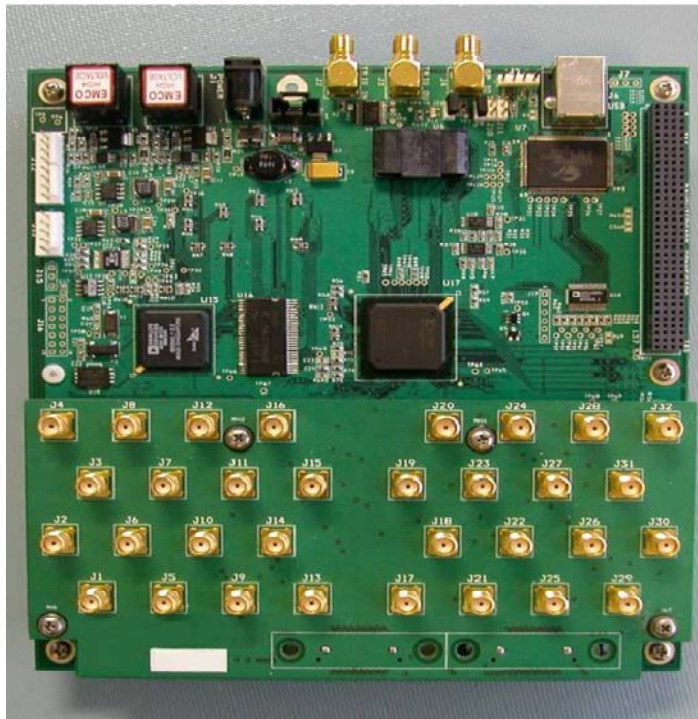
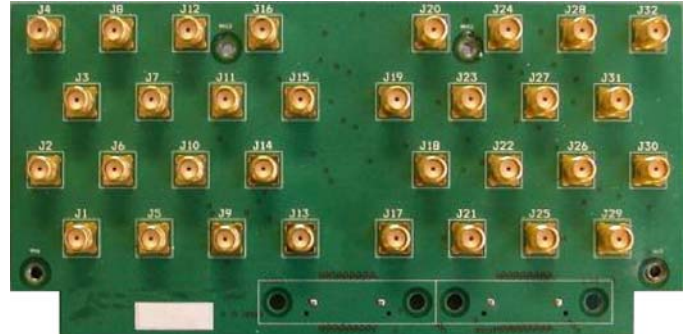


Description

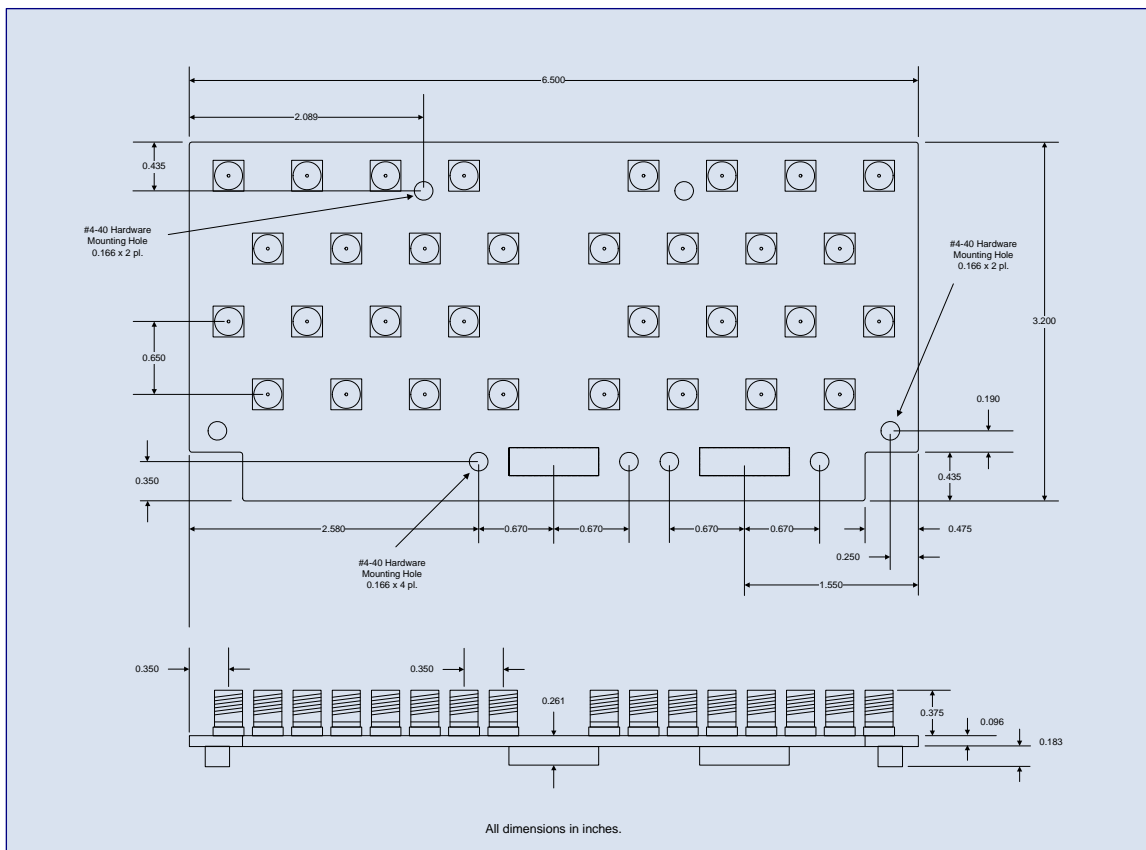
The SIB132M Sensor Interface Board (SIB) provides electrical connectivity between Vertilon’s PhotoniQ multi-channel PMT data acquisition systems and up to 32 charge output devices. Multiple PMT and/or photodiode signals are interfaced to the SIB132M through SMA connectors mounted directly on the printed circuit board. The SIB132M itself can be either connected by a cable to the PhotoniQ or mounted directly to it for a more compact assembly. Cabled configurations utilize Vertilon’s standard, low-noise, multi-channel, micro-coaxial interconnection system where 32 coaxial connections are made using a single plug. In direct mount configurations, the cable is unused and the SIB132M attaches to the PhotoniQ where electrical and mechanical connectivity is established. For systems that utilize Vertilon’s FEM480M front-end expansion module, an additional connector is provided on the SIB132M so that it can be attached to the FEM480M instead of the PhotoniQ. This is particularly useful in applications where several additional channels are required beyond the 32 channel standard configuration.



Specifications		
Description	Minimum	Maximum
SMA Connector Current		±50mA
Bias Voltage (Vbias)	0 V	+5V

The photo shows a SIB132M mounted to a PhotoniQ IQSP480M OEM multi-channel PMT data acquisition system.

Mechanical Data



General Safety Precautions

The SIB132M connects to Vertilon's PhotoniQ PMT data acquisition systems. See the OEM user manual for specific handling instructions.

Operate device within specified range

Electrostatic discharge sensitive

Do not operate in wet, damp or explosive atmosphere



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