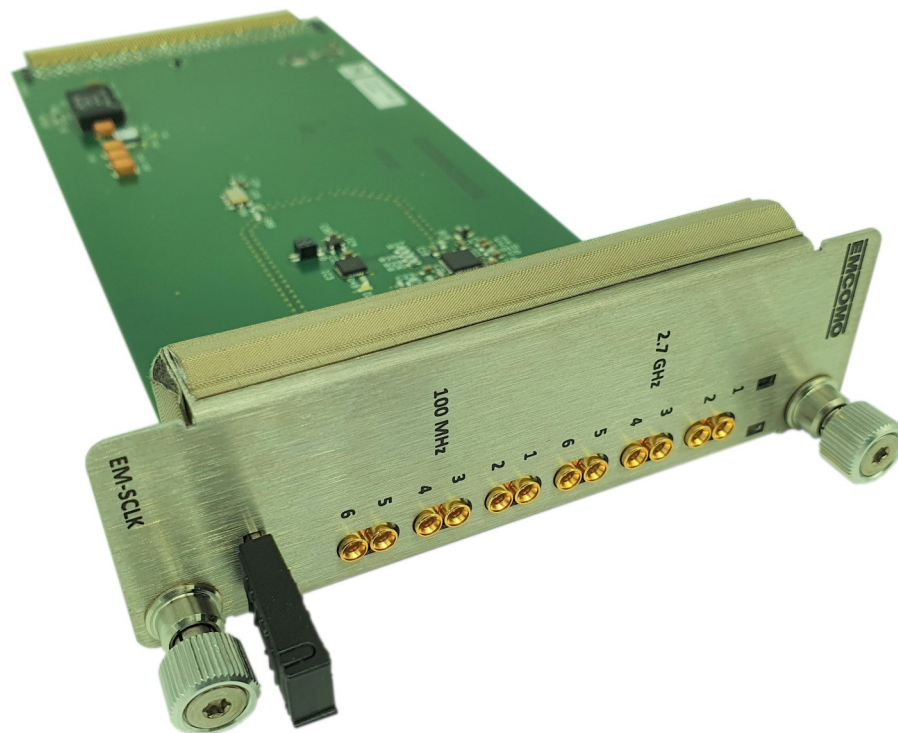


EM-SCLK

Synchronous Clock Generation Board for
ADC/DAC MicroTCA Systems



Synchronous Clock Generation Board

- 12 synchronous Clock Outputs: 6x 2.7 GHz and 6x 100 MHz
- Compatible with MicroTCA Systems
 - Single-width AMC module format
 - Full-size MTCA.1 front panel
 - Operation in MCH slot or AMC slot possible

Features

The EM-SCLK board has 12 synchronous clock outputs on SMPM connectors, 6x 2.7 GHz and 6x 100 MHz to provide synchronous external clocks for ADC and DAC boards in MicroTCA systems. EM-SCLK can be operated in an MCH or AMC slot.

Other frequencies or front panel sizes and cable sets to connect ADC and DAC boards are available on request.

Technical Information

Form factor	AMC Module	Single-width AMC Module format with full-size MTCA.1 front panel (MTCA.0 and mid-size front panel on request)
Onboard Interfaces	Clock Outputs	6x 2.7 GHz on SMPM connectors 6x 100 MHz on SMPM connectors (other clock frequencies on request)
Miscellaneous	Dimensions	Dimensions without retention screws on front panel: 181.5 x 73.5 (95.0) x 30.48 mm (MTCA.1 front panel)
	Board Weight	102 grams
	Power Supply	12 V payload power
	Power Consumption	tbd
	Operating Temperature	0°C to 55°C

Ordering Information

Configuration	Description	Order Code
EM-SCLK	Synchronous Clock Generation Board 6x 2.7 GHz and 6x 100 MHz	A09175

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