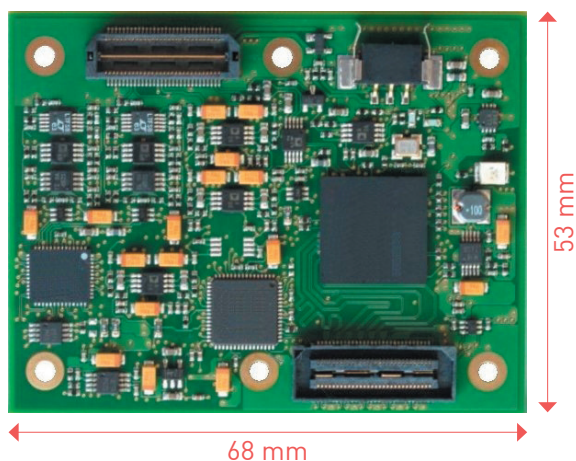


MEGALINK

ADC proximity board for Lynred IR detectors

→ The compact proximity board that facilitates the management and the integration of Sofradir detectors in your camera.



Megalink is a Command and Control Electronic (C&CE) that drives Lynred detectors and provides a digital video output.

This proximity board enables you to easily interface your camera electronics with the detector through Cameralink® interface.

MEGALINK

BOARD FUNCTIONALITIES

Drives the detector (low noise bias supplies, clocks, digital signals)

Performs analog to digital conversion and multiplexing of the detector outputs

Provides the system electronics with a digitized signal

Monitors the FPA temperature

Provides an input interface for external synchronization of the ROIC

Provides an input interface to command and control the detector (windowing, integration time, ITR, IWR...)

INPUT / OUTPUT

Detectors	Mars, Epsilon, Scorpio MW/LW, Jupiter (limited to 60 Hz), Snake (limited to 180 Hz)
Firmware	Adapted to each detector
Flexible PCB	Mechanically and electrically different for each detector

MEGALINK

ADC proximity board for Lynred IR detectors

→ The compact proximity board that facilitates the management and the integration of Sofradir detectors in your camera.

ELECTRICAL PERFORMANCE & INTERFACES

Power consumption	< 1.6 W @ 20°C
Power supply	6V _{DC}
Video input	4 channels : 14 bits ADC up to 20 Msps / SNR > 77dB
Video output	1 Cameralink® output (base mode / dual base mode)
Frame synchronization	Internal or external through Cameralink® Control Signal
Settings control	Cameralink® UART

MECHANICAL FEATURES

Dimensions	68 x 53 x 8.6 mm ³
Board weight	< 25g
Flex weight	< 10g (standard configuration)
Connector to system	SAMTEC QSH-30-01-C-D-A
Connector to cooler controller	NICOMATIC 101R03LS
Operating temperature	-40°C to +71°C
EMC	Designed with state-of-the-art EMC rules.
Environmental conditions	Qualified for military environments (MIL - STD - 810 E)

OPTIONS

Adaptation to other Sofradir detectors

Flex mechanical shape and size customization

Technical training and support

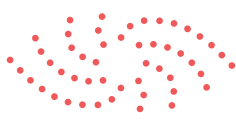
Connection kit

(tool enabling an easy connection of the MEGALINK board with host system, for use in laboratory conditions)

Technical characteristics described in this data sheet are for information only.
They are not contractual and may change without prior notice.

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MEGALINK