

Features

- Specific design for each Weeroc ASIC
- Hosting a small ASIC for easy DAQ management
- Easy characterization and debug of the ASIC
- Access to all ASIC's digital and analog I/Os
- ASIC internal signals monitor
- Data acquisition with real detectors
- Connections for an external High Voltage power supply
- Mini-USB for data transfer and board power supply
- Control and acquisition software for Windows OS (LabVIEW interface for TRIROC 1A board)

Description

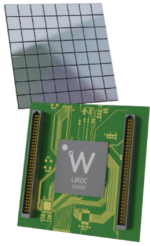
Weeroc Testboards are compact platforms designed to test and characterize Weeroc ASICs. This tool is suited to easily evaluate the performances of the ASIC and, thanks to its features, allows a versatile use with real detectors. The testboard provides easy access to all ASIC's digital and analog I/Os and implements a DAQ system consisting of an Altera Cyclone III FPGA and 12-bit ADCs. The board hosts connections for detectors and the relative High Voltage distribution lines. Moreover, it provides the possibility to inject signals in the ASIC analog inputs using a generator. A dedicated software for each different ASIC is available. It provides a simple GUI to set all the programmable parameters of the ASIC and allows the user to perform calibration and DAQ in an intuitive way. Some firmware options can also be set in order to manage DAQ within an experiment.

Ordering Options

Code	Description	
WWTBCATIROC1	Testboard for CATIROC 1 QFP chip	
WWTBCITIROC1	Testboard for CITIROC 1A BGA chip	
WWTBGEMROC1A	Testboard for GEMROC 1 QFP chip (Discontinued)	
WWTBLIROC1BA	Testboard for LIROC 1 BGA chip	RoHS
WWTBLIROC2BA	Testboard for LIROC 2 BGA chip	RoHS
WWTBMAROC3AA	Testboard for MAROC 3A BGA chip	
WWTBPETIROC2	Testboard for PETIROC 2A BGA chip	
WWTBPHOTORC1	Testboard for PHOTOROC 1A chip	
WWTBPOPROCAA	Test-board for POPROC BGA chip	RoHS
WWTBPSIROC1B	Testboard for PSIROC 1 BGA chip	RoHS
WWTBRADIO2BA	Testboard for RADIOROC 2 BGA chip	RoHS
WWTBSKIROC2A	Testboard for SKIROC 2A BGA chip	
WWTBTEMPOR2A	Testboard for TEMPOROC 2 BGA chip	
WWTBTRIROC1A	Testboard for TRIROC 1A BGA chip	

Related Products

LIROC 1



SiPM Analogue Read-out Chip for Lidar and Photon Counting Application

GEMROC 1



Micromegas and GEMs semi digital read out chip

TEMPOROC



Multi-Purpose Mixed-Signal SiPM read-out ASIC

CATIROC 1



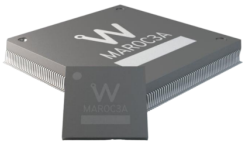
Large photomultiplier arrays read out chip

SPACIROC 3



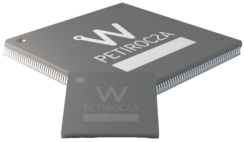
Photomultiplier tubes photon counting read out chip

MAROC 3A



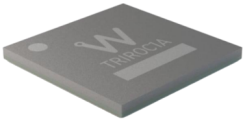
Photomultiplier tubes read out chip

PETIROC 2A



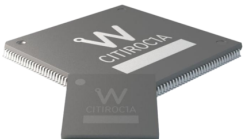
SiPM read out for time of flight PET

TRIROC 1A



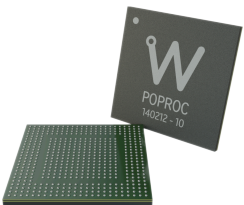
All in one SiPM read out for multimodal PET inserts

CITIROC 1A



Scientific instrumentation SiPM read out chip

POPROC



MA-PMT readout out chip

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CAEN S.p.A.

Via Vetraia 11
55049 - Viareggio
Italy

Phone +39.0584.388.398

Fax +39.0584.388.959

info@caen.it

www.caen.it

CAEN GmbH

Brunnenweg 9
64331 Weiterstadt, Germany

Phone +49 (0)212.254.4077

Mobile +49 (0)151.16.548.484

info@caen-de.com

www.caen-de.com

CAEN Technologies, Inc.

1 Edgewater Street - Suite 101
Staten Island, NY 10305
USA

Phone +1.718.981.0401

Fax +1.718.556.9185

info@caentechnologies.com

www.caentechnologies.com

CAENspa India Private Limited

B205, BLDG42, B Wing,
Azad Nagar Sangam CHS,
Mhada Layout, Azad Nagar, Andheri West
Mumbai, Maharashtra 400053, India

info@caen-india.in

www.caen-india.in

