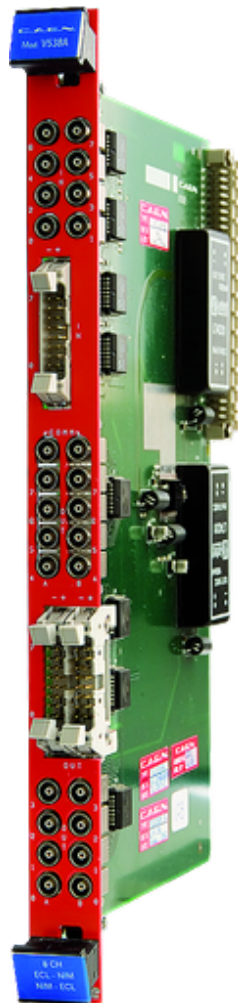
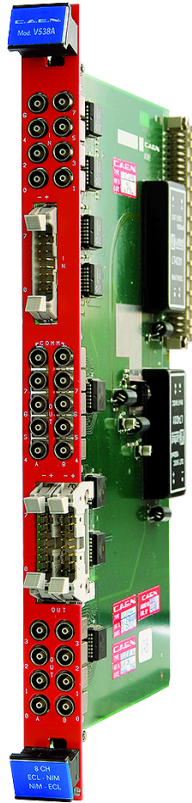


# V538A

## 8 Channel NIM-ECL/ECL-NIM Translator



## Features



- 8 independent NIM to ECL/NIM and ECL to NIM/ECL channels
- NIM and ECL fan-out of 2
- 300 MHz maximum operating frequency
- COMMON IN input with a fan-out of 16 (both NIM and ECL)
- I/O delay <5 ns

## Description

The **CAEN Mod. V538A** is a **1-unit wide VME module housing 8 independent logic level translators**. Each of the 8 channels accepts a NIM or ECL signal and provides two NIM and two ECL outputs (OUT 0÷7 A, B). The NIM and ECL inputs of each channel are ORed prior to fan-out. The maximum operating frequency is 300 MHz. Two front panel input bridged connectors accept a COMMON IN NIM signal, which allows the use of the module as a fan-out of 16 NIM and 16 ECL signals.

## Technical Specifications

### Packaging

1-unit wide 6U VME module

### Inputs

- IN 0-7 NIM: NIM logic level, 50  $\Omega$  impedance, Reflections < 3%, for input risetimes > 2 ns
- IN 0-7 ECL: Std. ECL logic levels, 110  $\Omega$  impedance
- Reflections < 10%, for input risetimes > 2 ns
- COMM: Std. NIM Level, high impedance, Reflections < 10%, for input risetimes > 2 ns

### Outputs

OUT 0-7 A, B NIM: Std. NIM levels on 50  $\Omega$  impedance, Risetime: < 2 ns;

OUT 0-7 A, B ECL: Differential ECL levels on 110  $\Omega$  impedance, Risetime: < 2 ns

### Max. frequency

- NIM input: 300 MHz (50% duty cycle)
- ECL input: 250 MHz (50% duty cycle)

### Min. signal FWHM

3 ns for NIM/ECL input/output

### I/O delay

- ECL IN to NIM OUT: 2.5 ns;
- ECL IN to ECL OUT: 2.5 ns;
- NIM IN to ECL OUT: 3.5 ns;
- NIM IN to NIM OUT: 3.5 ns COMMON IN to NIM OUT: 4 ns;
- COMMON IN to ECL OUT: 4 ns

## Ordering Options

Code	Description
WV538XBAAAAA	V538AB - 8 Channel NIM-ECL/ECL-NIM Translator (noJAUX) <span data-bbox="1353 250 1433 300">RoHS</span>

## Accessories

### A954



Cable assembly 2.54mm 34 pin female to two 2.54mm 16 pin female - 50 cm

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## Related Products

### VME8002



5U 9 Slot VME64 Mini Crate

### VME8011



7U 21 Slot VME64 Low Cost Crate

### VME8200



9U 21Slot VME64X Enhanced Crate series

### μ-crate



Desktop single-slot VME64X Crate

### VME8008B



4U 8 Slot VME64 Mini Crate

### VME8010



7U 21 Slot VME64 Low Cost Crate

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### VME8008X



4U 8 Slot VME64X Mini Crate

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### VME8001



1U 2 Slot VME64 Mini Crate

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### VME8004B



2U 4 Slot VME64 Mini Crate

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### VME8004X



2U 4 Slot VME64X Mini Crate

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## VME8100

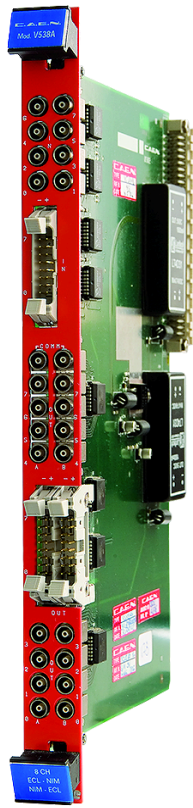


8U 21 Slot VME64/64X Enhanced Crate Series

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## VME8008XB

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