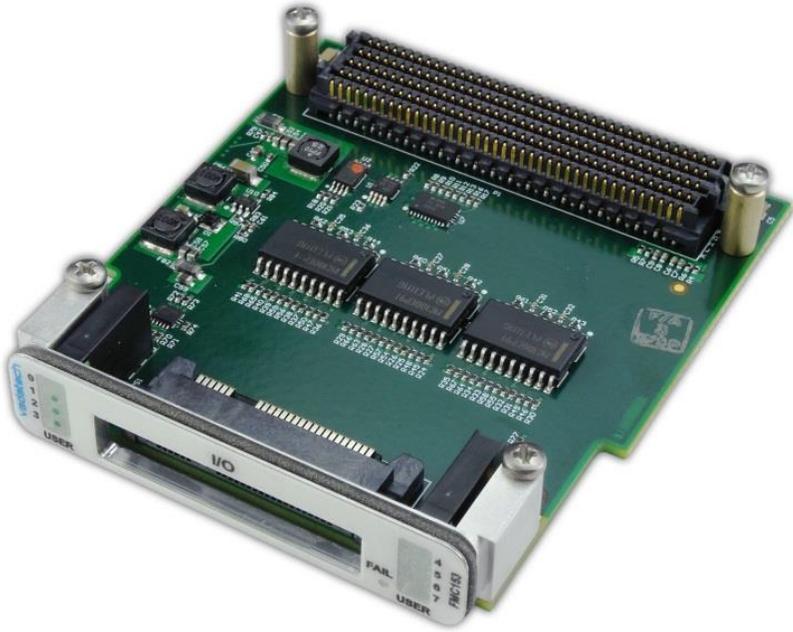


FMC153 – 8-bit Synchronous NECL Output with Clock

FMC, Output Module



KEY FEATURES

- FPGA Mezzanine Card (FMC) per VITA-57
- Single-module
- 8-bit output with NECL signalling and clock
- Status LED
- RoHS compliant

Benefits of Choosing VadaTech

- Broad range of single- and dual-site FMC carriers
- All FMC carriers provided with a reference design with VHDL source code and configuration binaries
- Electrical, mechanical, software, and system-level expertise in house
- Full system supply from industry leader
- AS9100 and ISO9001 certified company

The FMC153 is an FPGA Mezzanine Module per VITA 57 specification. It has 8-bit synchronous output with clock. The output is in NECL signalling. The module has 8 status LEDs.

FMC153 – 8-bit Synchronous NECL Output with Clock

BLOCK DIAGRAM

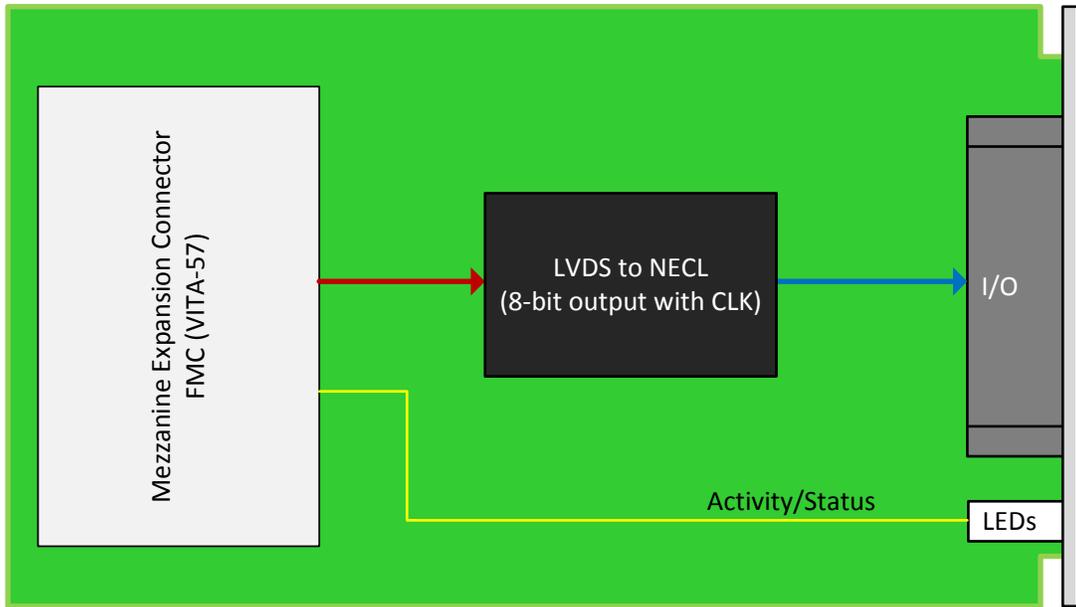


Figure 1: FMC153 Functional Block Diagram

FMC153 – 8-bit Synchronous NECL Output with Clock

SPECIFICATIONS

Architecture		
Physical	Dimensions	Single FMC Width 2.71" (69 mm) Depth 3.01" (76.5 mm)
Type	FMC	Output 8-bit with clock Single FMC
Standards		
FMC	VITA-57	ANSI/VITA 57.1-2008
Configuration		
Power	FMC153	2W
Environmental	Temperature	Operating Temperature: -5° to 55° C (air flow requirements >200 LFM)) Storage Temperature: -40° to +85° C
	Vibration	1G, 5 to 500 Hz on each axis
	Shock	30Gs each axis
	Relative Humidity	5 to 95 percent, non-condensing
Front Panel	Interface Connectors	Samtec HSEC8-125-01-S-RA-L2
	LEDs	8x Status
Conformal Coating		Humiseal 1A33 Polyurethane (Optional) Humiseal 1B31 Acrylic (Optional)
Other		
MTBF		MIL Hand book 217-F @ TBD Hrs
Certifications		Designed to meet FCC, CE and UL certifications where applicable
Standards		VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards
Warranty		Two (2) years

INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of ATCA and μ TCA products including chassis platforms, shelf managers, AMC modules, Switch and Payload Boards, Rear Transition Modules (RTM), Power Modules, and more. The company also offers integration services as well as pre-configured Application-Ready Platforms. Please contact VadaTech Sales for more information.

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FMC153 – 8-bit Synchronous NECL Output with Clock

ORDERING OPTIONS

FMC153 – 000 – 000 – G0J

G = FMC Board Spacing

0 = 10 mm (per VITA-57 specification)

1 = 17.5 mm *

J = Conformal Coating

0 = Commercial, No coating

1 = Commercial, Humiseal 1A33 Polyurethane

2 = Commercial, Humiseal 1B31 Acrylic

3 = Industrial, No coating

4 = Industrial, Humiseal 1A33 Polyurethane

5 = Industrial, Humiseal 1B31 Acrylic

6 = Reserved

7 = Reserved

* For use with carriers that require higher mating clearance, such as VadaTech AMC595. Requires full size AMC.

RELATED PRODUCTS



AMC517 Kintex-7
FPGA



AMC515 Virtex-7
FPGA



FMC210 ADC
FMC

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