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Sidebar

Technical Spec Table

Manual

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Ask a Question

Product Catalogue

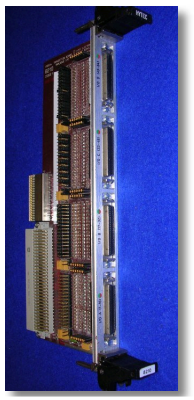
Related Products

VTB 8210 TCPT Transition Board

Features

1. Allows use of PT100 or thermocouple DIN board with IP-MADC-8403.
2. Allows use of four 8403 on all 8002 carrier board sites
3. Four 50-way connectors
4. Programmable current outputs from 8403s
5. On-board DC-DC converters supply 8403s and DC excitation
6. Twisted pair pseudo-differential inputs.

VTB 8210



Specification

Mechanical:	Standard 6U high VME64X transition board
Operating temp:	0 to 45 deg C ambient
Number of channels:	64
Input/output voltage range:	0 to +2.5V
Input filter:	1K in each arm with 0.1uF across them.
Common mode resistors:	1M to Agnd from each arm
Three pole jumpers:	Select single inputs from signal to common or differences between adjacent inputs.
Excitation:	Programmable 0-1mA supplied by 8403
Isolated digital output:	/CALEN allows external switch control by 8403
ADC Isolation:	100V with respect to VME 0V limited by 8403
Power:	+5V @ 4A typical if DC-DC converters fitted.

Operating Modes

Configuration

There are two basic operating modes:-

1. Signal to common
2. Signal to signal.

Jumpers

Jumpers on each signal return connect them either to the 8403 common input or to the next signal input so that single-ended or differential measurements can be made.

Excitation

Two current sources and +/-12V are available:-

1. +/-12V D.C.
2. Programmable current source 0 to +1mA

Connectors

Four 50-way connectors routed to carrier board sites A,B,C and D provide 16 single-ended voltage inputs or 15 difference inputs.

Pin Assignments

Connectors 1-4

Pin	Signal	Pin	Signal
1	Inp1 -	26	Inp1 +
2	Inp2 -	27	Inp2 +
3	Inp3 -	26	Inp3 +
4	Inp4 -	27	Inp4 +
5	Inp5 -	26	Inp5 +
6	Inp6 -	27	Inp6 +
7	Inp7 -	26	Inp7 +
8	Inp 8 -	27	Inp8 +
9	Inp9 -	26	Inp9 +
10	Inp10 -	27	Inp10 +
11	Inp11 -	26	Inp11 +
12	Inp12 -	27	Inp12 +
13	Inp13 -	26	Inp13 +
14	Inp14 -	27	Inp14 +
15	Inp15 -	26	Inp15 +
16	Inp16 -	27	Inp16 +
17		42	/CALEN
18	Xtrig -	43	Xtrig +
19	IDAC B	44	IDAC A
20	XClk -	45	XClk +
21	AGnd	46	+12V
22	AGnd	47	+12V
23	AGnd	48	-12V
24	AGnd	49	-12V
25	AGnd	50	AGnd

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