

TPIM002-10

PIM I/O Module

Version 1.0

User Manual

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TPIM002-10

PIM I/O Module with HD68 SCSI-3 type
Connector in EMI Front Panel

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Style Conventions

Hexadecimal characters are specified with prefix 0x, i.e. 0x029E (that means hexadecimal value 029E).

For signals on hardware products, an 'Active Low' is represented by the signal name with # following, i.e. RESET#.

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Issue	Description	Date
1.0	First Issue	December 2003
1.1	Additions in Chapter "Technical Specification"	November 2004
1.2	New address TEWS LLC	September 2006

Table of Contents

1	PRODUCT DESCRIPTION.....	6
2	TECHNICAL SPECIFICATION.....	7
3	CONNECTOR P14.....	8
4	CONNECTOR X1.....	9
5	PIN ASSIGNMENT	10

Table of Figures

FIGURE 1-1 : BLOCK DIAGRAM.....	6
FIGURE 2-1 : TECHNICAL SPECIFICATION.....	7
FIGURE 3-1 : CONNECTOR P14.....	8
FIGURE 4-1 : CONNECTOR X1	9
FIGURE 5-1 : PIN ASSIGNMENT.....	10

1 Product Description

The TPIM002 is a standard single-width PIM I/O module to be used with any PIM carrier. It offers easy access to the PMC back I/O lines of PMC carrier with back I/O.

The TPIM002 distributes all PMC back I/O lines to a 68 pin SCSI-3 type connector located in the EMI front panel.

The operating temperature range is -40°C to +85°C.

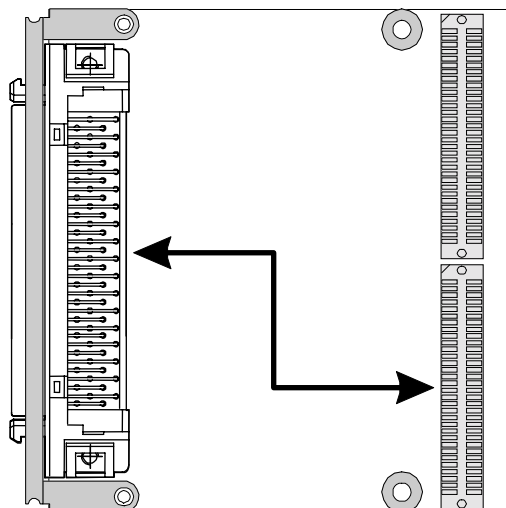


Figure 1-1 : Block Diagram

2 Technical Specification

Front panel	EMI front panel
Number of PMC I/O Lines supported	68
I/O Interface	HD68 SCSI-3 type connector
Operating Data	
Temperature Range	Operating: -40°C to +85°C Storage: -40°C to +100°C
MTBF	2081000 h
Weight	45 g
Board Size	69 mm x 74 mm
Humidity	5 – 95% non condensing

Figure 2-1 : Technical Specification

3 Connector P14

P14 Pin	Signal Name	Signal Name	P14 Pin
1	PMC I/O 1	PMC I/O 2	2
3	PMC I/O 3	PMC I/O 4	4
5	PMC I/O 5	PMC I/O 6	6
7	PMC I/O 7	PMC I/O 8	8
9	PMC I/O 9	PMC I/O 10	10
11	PMC I/O 11	PMC I/O 12	12
13	PMC I/O 13	PMC I/O 14	14
15	PMC I/O 15	PMC I/O 16	16
17	PMC I/O 17	PMC I/O 18	18
19	PMC I/O 19	PMC I/O 20	20
21	PMC I/O 21	PMC I/O 22	22
23	PMC I/O 23	PMC I/O 24	24
25	PMC I/O 25	PMC I/O 26	26
27	PMC I/O 27	PMC I/O 28	28
29	PMC I/O 29	PMC I/O 30	30
31	PMC I/O 31	PMC I/O 32	32
33	PMC I/O 33	PMC I/O 34	34
35	PMC I/O 35	PMC I/O 36	36
37	PMC I/O 37	PMC I/O 38	38
39	PMC I/O 39	PMC I/O 40	40
41	PMC I/O 41	PMC I/O 42	42
43	PMC I/O 43	PMC I/O 44	44
45	PMC I/O 45	PMC I/O 46	46
47	PMC I/O 47	PMC I/O 48	48
49	PMC I/O 49	PMC I/O 50	50
51	PMC I/O 51	PMC I/O 52	52
53	PMC I/O 53	PMC I/O 54	54
55	PMC I/O 55	PMC I/O 56	56
57	PMC I/O 57	PMC I/O 58	58
59	PMC I/O 59	PMC I/O 60	60
61	PMC I/O 61	PMC I/O 62	62
63	PMC I/O 63	PMC I/O 64	64

Figure 3-1 : Connector P14

4 Connector X1

X1 Pin	Signal Name	Signal Name	X1 Pin
1	PMC I/O 1	PMC I/O 2	2
3	PMC I/O 3	PMC I/O 4	4
5	PMC I/O 5	PMC I/O 6	6
7	PMC I/O 7	PMC I/O 8	8
9	PMC I/O 9	PMC I/O 10	10
11	PMC I/O 11	PMC I/O 12	12
13	PMC I/O 13	PMC I/O 14	14
15	PMC I/O 15	PMC I/O 16	16
17	PMC I/O 17	PMC I/O 18	18
19	PMC I/O 19	PMC I/O 20	20
21	PMC I/O 21	PMC I/O 22	22
23	PMC I/O 23	PMC I/O 24	24
25	PMC I/O 25	PMC I/O 26	26
27	PMC I/O 27	PMC I/O 28	28
29	PMC I/O 29	PMC I/O 30	30
31	PMC I/O 31	PMC I/O 32	32
33	PMC I/O 33	PMC I/O 34	34
35	PMC I/O 35	PMC I/O 36	36
37	PMC I/O 37	PMC I/O 38	38
39	PMC I/O 39	PMC I/O 40	40
41	PMC I/O 41	PMC I/O 42	42
43	PMC I/O 43	PMC I/O 44	44
45	PMC I/O 45	PMC I/O 46	46
47	PMC I/O 47	PMC I/O 48	48
49	PMC I/O 49	PMC I/O 50	50
51	PMC I/O 51	PMC I/O 52	52
53	PMC I/O 53	PMC I/O 54	54
55	PMC I/O 55	PMC I/O 56	56
57	PMC I/O 57	PMC I/O 58	58
59	PMC I/O 59	PMC I/O 60	60
61	PMC I/O 61	PMC I/O 62	62
63	PMC I/O 63	PMC I/O 64	64
65	NC	NC	66
67	NC	NC	68

Figure 4-1 : Connector X1

5 Pin Assignment

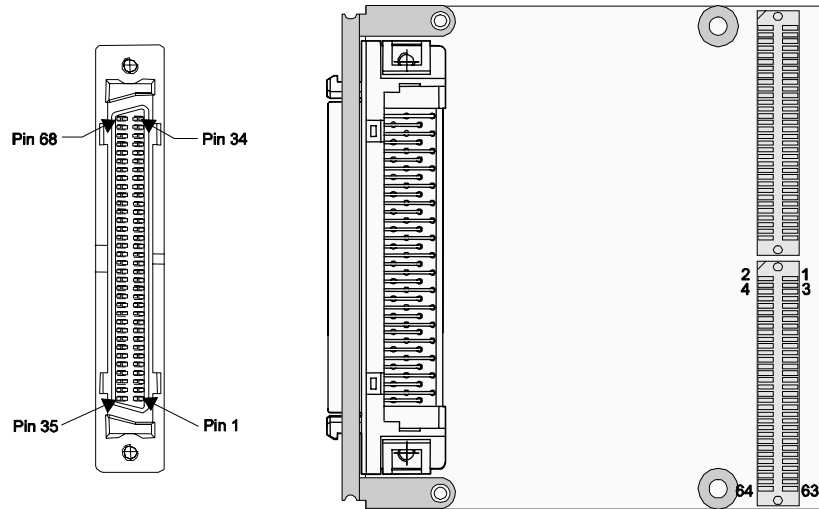


Figure 5-1 : Pin Assignment