
TPIM001-10

PIM I/O Module

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User Manual

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Ehlbeek 15a
30938 Burgwedel
fon 05139-9980-0
fax 05139-9980-49

www.powerbridge.de
info@powerbridge.de

TEWS TECHNOLOGIES GmbH

Am Bahnhof 7
Phone: +49-(0)4101-4058-0
e-mail: info@tews.com

25469 Halstenbek / Germany
Fax: +49-(0)4101-4058-19
www.tews.com

TEWS TECHNOLOGIES LLC

1 E. Liberty Street, Sixth Floor
Phone: +1 (775) 686 6077
e-mail: usasales@tews.com

Reno, Nevada 89504 / USA
Fax: +1 (775) 686 6024
www.tews.com

TPIM001-10

PIM I/O Module with 50 pin SCSI-2 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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Table of Contents

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

Table of Figures

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

1 Product Description

The TPIM001 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 TPIM001 distributes the lower 50 I/O lines of the PMC to a standard 50 pin SCSI-2 type connector located in the EMI front panel.

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

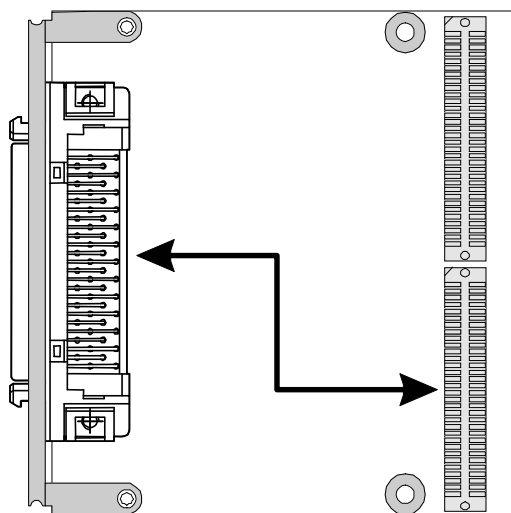


Figure 1-1 : Block Diagram

2 Technical Specification

| | |
|--|---|
| Front Panel | EMI front panel |
| Number of PMC I/O Lines Supported | 50 |
| I/O Interface | HD50 SCSI-2 type connector |
| Operating Data | |
| Temperature Range | Operating: -40°C to +85°C Storage: -40°C to +100°C |
| MTBF | 2086000 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 | NC | NC | 52 |
| 53 | NC | NC | 54 |
| 55 | NC | NC | 56 |
| 57 | NC | NC | 58 |
| 59 | NC | NC | 60 |
| 61 | NC | NC | 62 |
| 63 | NC | NC | 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 |

Figure 4-1 : Connector X1

5 Pin Assignment

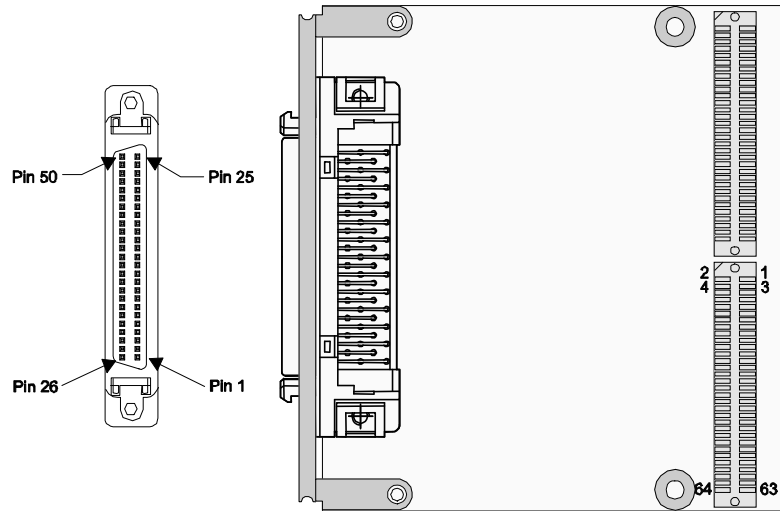


Figure 5-1 : Pin Assignment