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*The Embedded I/O Company*

# TA201-10 HD50 Terminal Block

## 50 pin terminal block with

## 50 pin female SCSI-2 type connector

Version 1.0

## User Manual

Issue 1.1

September 2006

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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. IP_RESET#.

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| Issue | Description | Date |
|:---:|:---:|:---:|
| 1.0 | First Issue | April 2005 |
| 1.1 | New address TEWS LLC | September 2006 |

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# 1 Product Description

The TA201-10 is used as a standard interface for a switch cabinet to connect a lot of TEWS modules with other system devices. The HD50 Terminal Block is therefore an essential wiring interface for prototyping and in the same way for machine and peripheral equipment.

Cable connection is designed to use a standard HD50 cable with 50pin male SCSI-2 type connector. The screw connections of the used terminal block have a nominal cross section of 2.5 mm$^2$.

The TA201-10 has a universal socket and may simply mount on standard EM mounting rails as a compact terminal strip.

An additional screw connector provides a possibility to connect the shield of the 50 pin male SCSI-2 type connector to external case ground.

# 2  HD50 Terminal Block Pin Assignment

| Terminal Block | X1 female SCSI-2 | | Terminal Block | X1 female SCSI-2 |
|---|---|---|---|---|
| 1 | 1 | | 26 | 26 |
| 2 | 2 | | 27 | 27 |
| 3 | 3 | | 28 | 28 |
| 4 | 4 | | 29 | 29 |
| 5 | 5 | | 30 | 30 |
| 6 | 6 | | 31 | 31 |
| 7 | 7 | | 32 | 32 |
| 8 | 8 | | 33 | 33 |
| 9 | 9 | | 34 | 34 |
| 10 | 10 | | 35 | 35 |
| 11 | 11 | | 36 | 36 |
| 12 | 12 | | 37 | 37 |
| 13 | 13 | | 38 | 38 |
| 14 | 14 | | 39 | 39 |
| 15 | 15 | | 40 | 40 |
| 16 | 16 | | 41 | 41 |
| 17 | 17 | | 42 | 42 |
| 18 | 18 | | 43 | 43 |
| 19 | 19 | | 44 | 44 |
| 20 | 20 | | 45 | 45 |
| 21 | 21 | | 46 | 46 |
| 22 | 22 | | 47 | 47 |
| 23 | 23 | | 48 | 48 |
| 24 | 24 | | 49 | 49 |
| 25 | 25 | | 50 | 50 |

Figure 2-1 :  HD50 Terminal Block Pin Assignment

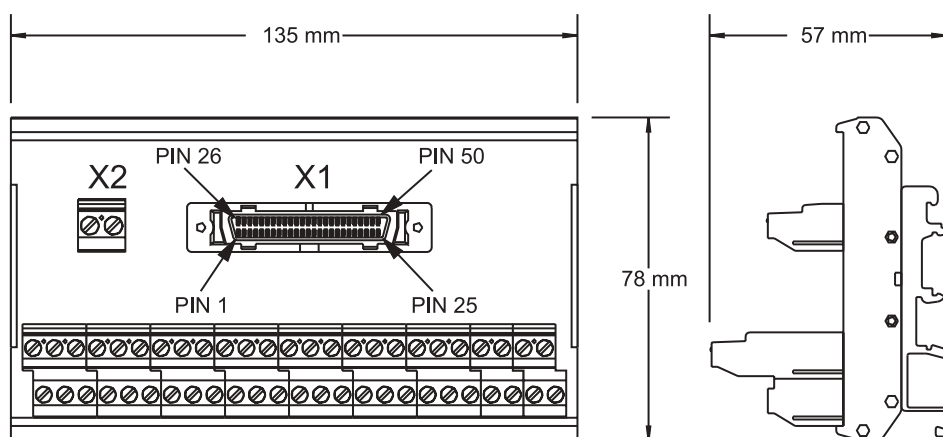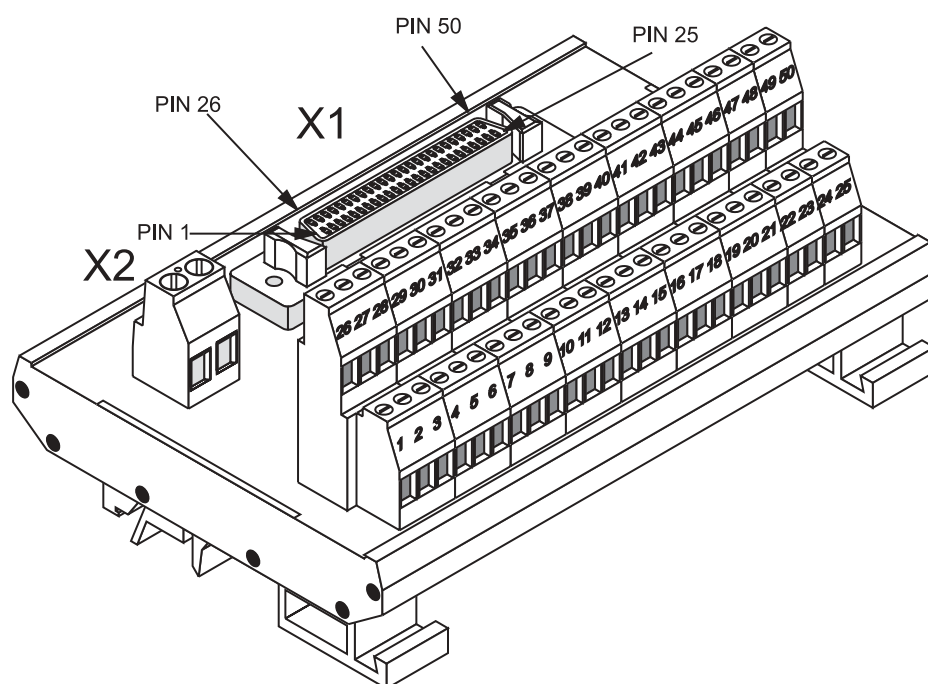| X2 Terminal Block | X1 female SCSI-2 |
|---|---|
| 1 | Case ground / shield |
| 2 | Case ground / shield |

Figure 2-2 :  Case Ground Terminal Block Pin Assignment

# 3 Assembly Drawing



Figure 3-1 :  Assembly Drawing