TA301 Cable Kit

Cable Kit for Modules with HD50 Connector

Version 1.0

User Manual

Issue 1.0.4

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TA301-10R Cable Kit

Cable Kit for Modules with HD50 Connector

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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
1.2	New drawing version	October 2006
1.0.3	Extension "Product Description"	January 2011
1.0.4	Assembly Drawing correction	June 2013

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1 Product Description

The TA301 combines the TA201-10 HD50 Terminal Block and the TA101-10 HD50 Cable. It is used to build a standard interface for a switch cabinet to connect a lot of TEWS modules with other system devices. The HD 50 Cable Kit is therefore an essential wiring interface for prototyping and in the same way for machines and peripheral equipment.

The HD50 Cable connection could be used for modules with standard 50pin SCSI-2 female connectors. At both sides of the cable 50pin male SCSI-2 connectors are mounted which provide a direct connection to a lot of TEWS products like PMC, PIM, CompactPCI and VME modules (for example TPMC600, TPMC500, TCP461, TPIM001, TVME201 and more).

Always two wires of the HD50 Cable are constructed as twisted pairs (1 and 26, 2 and 27, …, 25 and 50).

The permissible maximum voltage for the TA301 is 30V DC.

The HD50 Terminal Block has a universal socket and may simply mount on standard EM mounting rails as a compact terminal strip. Screw connections of the used terminal block have a nominal cross section of 2.5 mm^2.

2 TA301 Cable Kit Pin Assignment

Terminal Block	Cable connector male SCSI-2
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25

Terminal Block	Cable connector male SCSI-2
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50

Table 2-1 : Pin Assignment TA301

3 Assembly Drawing
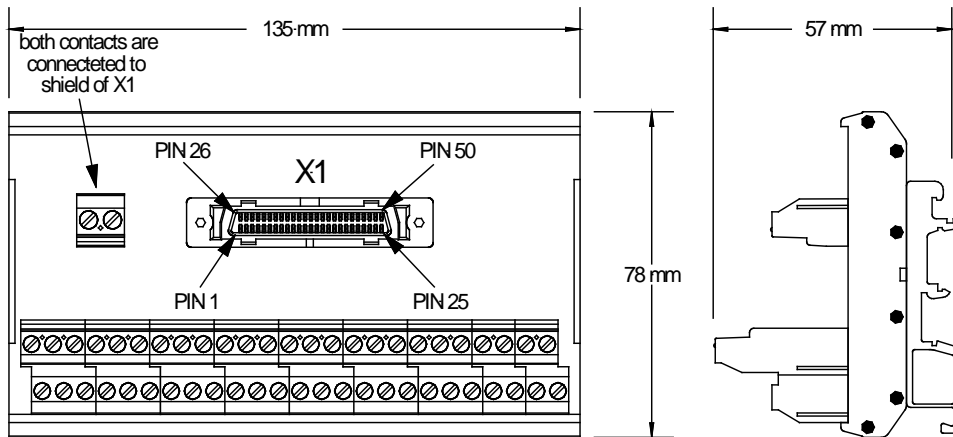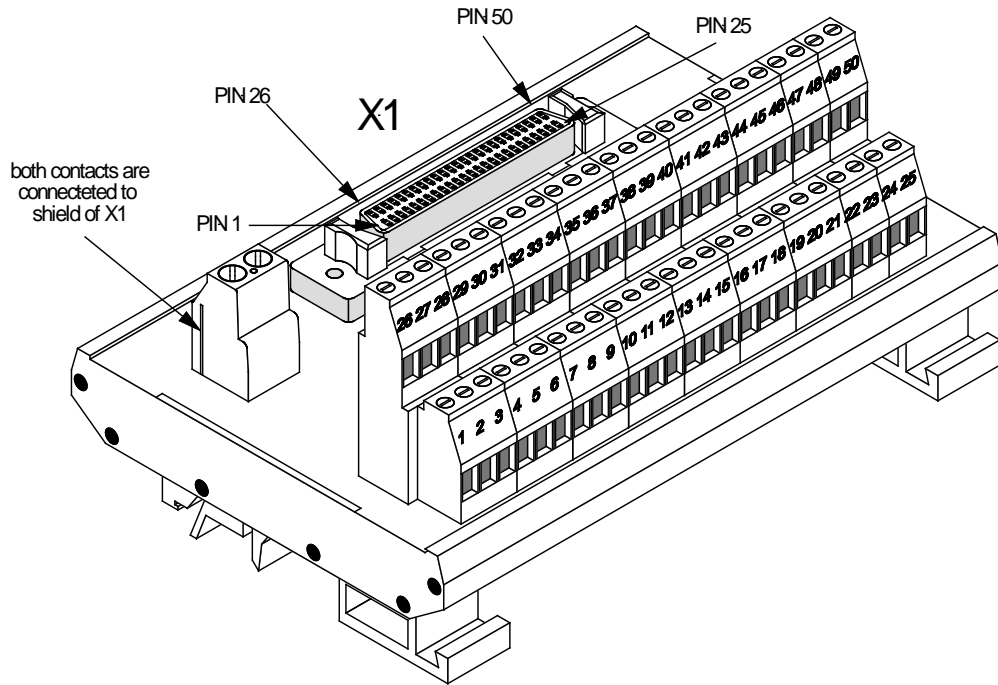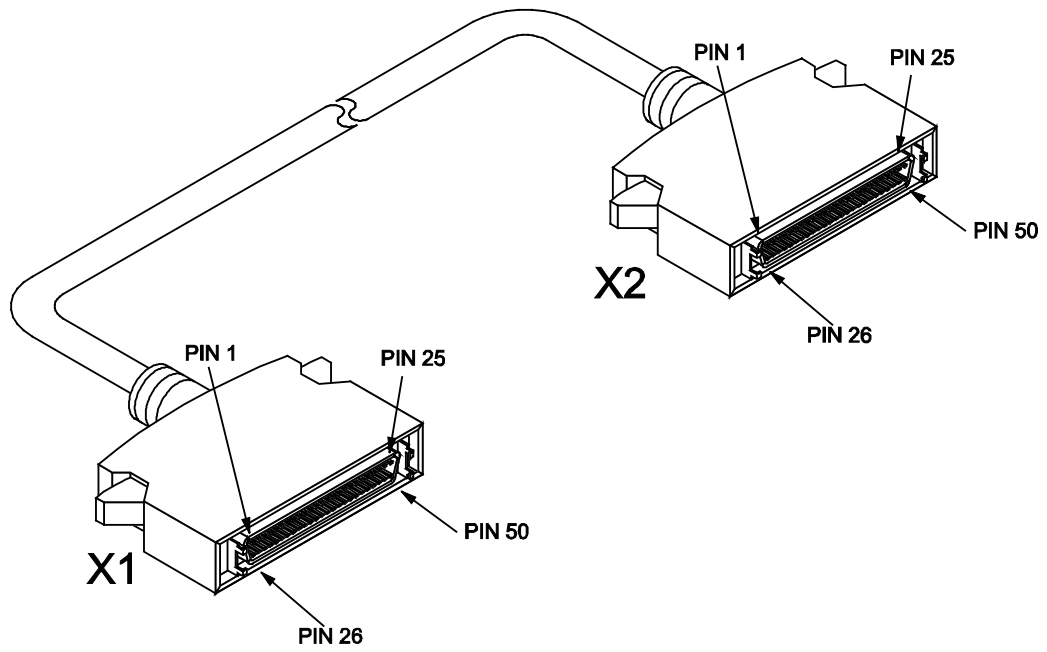

Figure 3-1 : Terminal block Assembly Drawing

PIN 1   PIN 25

X2

PIN 50

PIN 26

PIN 1   PIN 25

PIN 50

X1

PIN 26

PIN 1   PIN 25

PIN 26   PIN 50
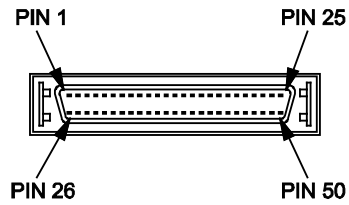
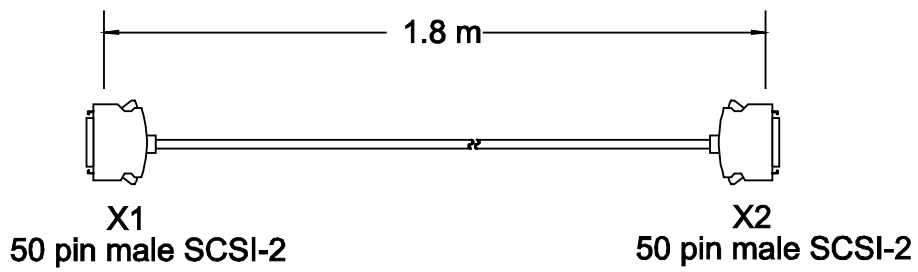**Detail Pin Assignment : X1 and X2**

1.8 m

X1
50 pin male SCSI-2

X2
50 pin male SCSI-2

Figure 3-2 : Cable Assembly Drawing