

The Embedded I/O Company



TA304 Cable Kit

Cable Kit for Modules with HD68 Connector

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User Manual

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TEWS TECHNOLOGIES GmbH

Am Bahnhof 7 25469 Halstenbek, Germany

Phone: +49 (0) 4101 4058 0 Fax: +49 (0) 4101 4058 19

e-mail: info@tews.com www.tews.com

TA304-10R Cable Kit

Cable Kit for Modules with HD68 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
1.0.2	Extension "Product Description"	January 2011
1.0.3	Assembly Drawing correction	June 2013

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1 Product Description

The TA304 combines the TA203-10 HD68 Terminal Block and the TA104-10 HD68 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 HD68 Cable Kit is therefore an essential wiring interface for prototyping and in the same way for machines and peripheral equipment.

The HD68 Cable connection could be used for modules with standard 68pin SCSI-3 female connectors. At both sides of the cable 68pin male SCSI-3 connectors are mounted which provide a direct connection to a lot of TEWS products like PMC, PIM and CompactPCI modules (for example TPMC460, TPMC851, TCP862, TPIM002, and more).

Always two wires of the HD68 Cable are constructed as twisted pairs (1 and 35, 2 and 36, ..., 34 and 68).

The permissible maximum voltage for the TA304 is 30V DC.

The HD68 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 mm².

2 HD68 Terminal Block Pin Assignment

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

Table 2-1 : Pin Assignment TA304

3 Assembly Drawing

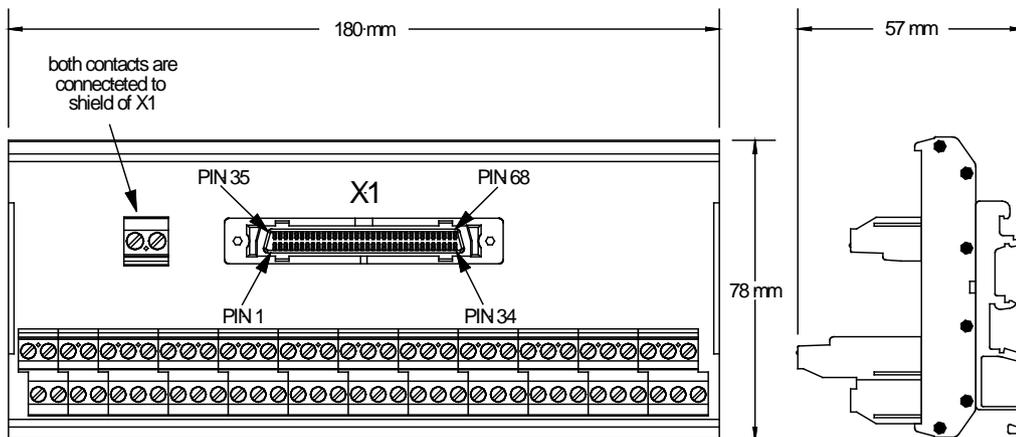
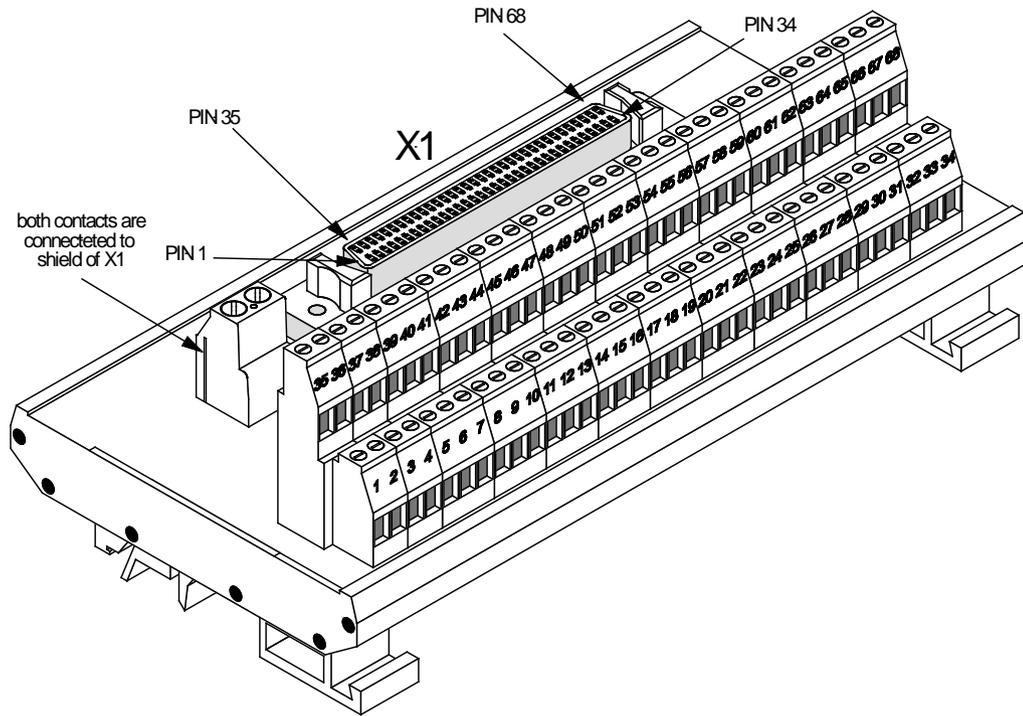
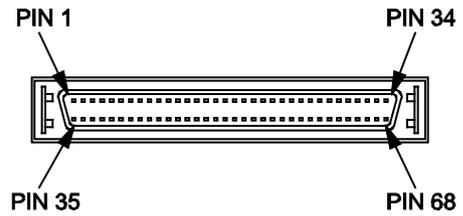
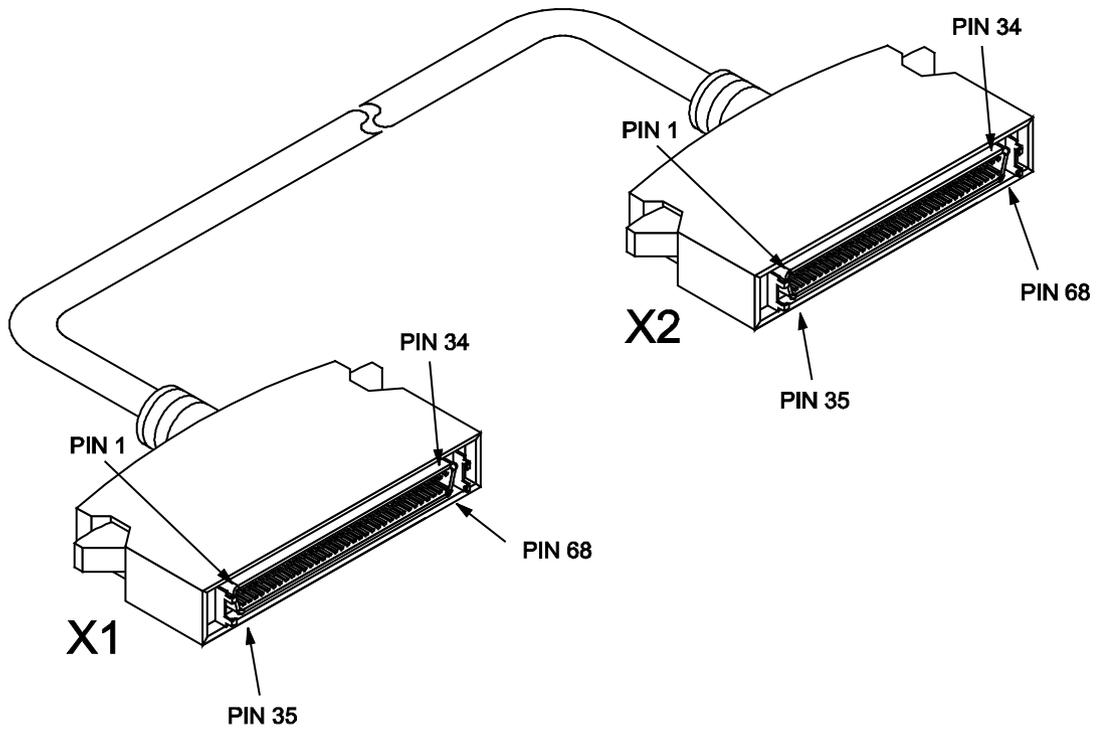


Figure 3-1 : Terminal block Assembly Drawing



Detail Pin Assignment : X1 and X2

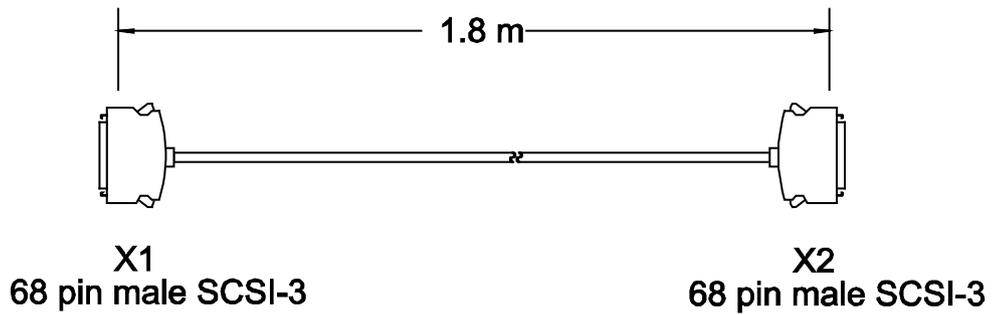


Figure 3-2 : Cable Assembly Drawing