

# TA203-10 HD68 Terminal Block

#### 68 pin terminal block with 68 pin female

#### **SCSI-3** type connector

Version 1.0

### **User Manual**

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connector



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 TA203-10 is used as a standard interface for a switch cabinet to connect a lot of TEWS modules with other system devices. The HD68 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 HD68 cable with 68 pin male SCSI-3 type connector. The screw connections of the used terminal block have a nominal cross section of 2.5 mm<sup>2</sup>.

The TA203-10 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 68pin male SCSI-3 type connector to external case ground.



# 2 HD68 Terminal Block Pin Assignment

Terminal   X2 female SCSI-3     1   1     2   2     3   3     4   4     3   3     5   5     6   6     7   7     4   4     38   38     5   5     9   9     9   9     43   43     10   10     11   11     14   44     41   41     8   8     42   42     9   9     43   43     10   10     14   14     14   14     14   14     14   14     15   15     16   16     16   16     16   16     17   17     18   18     22   22 <th></th> <th>×0</th> <th></th> <th>×0</th>		×0		×0
112233445566776677741884242999943431010444411111114141448481515161650501717181820202424252526262727262629292929303031313333	Terminal		Terminal	
22334455667788991010111313141415151616161650501717181820202424252526262727262629292929303030303333	1		35	
3 $3$ $4$ $4$ $5$ $5$ $6$ $6$ $7$ $7$ $8$ $8$ $9$ $9$ $9$ $9$ $10$ $10$ $11$ $12$ $12$ $13$ $11$ $16$ $16$ $20$ $20$ $21$ $21$ $21$ $21$ $22$ $25$ $25$ $25$ $59$ $59$ $26$ $2$				
556677889999434310101111121212121313141415151616171718182020242425252626272726262929303030303333	3			
6 $6$ $7$ $7$ $8$ $8$ $9$ $9$ $9$ $9$ $10$ $10$ $11$ $12$ $12$ $20$ $20$ $21$ $21$ $21$ $21$ $22$ $22$ $22$ $25$ $25$ $25$ $59$ $59$ $26$ $26$ $29$ $29$ $23$ $23$ $24$ $28$ $29$ $29$ $63$ $63$ $62$ $62$ $62$ $62$ $62$ $62$ $61$	4	4	38	38
7788991010111111111212121213131414141415151616171718182020212122222424252526262929292933333333	5	5	39	39
8 $8$ 99101011111111121212121313141415151616171718182020212122222323242425252626272726262929303031313333	6	6	40	40
99101011111111121212121313141415151616171718182020212122222323242425252626272728282929303031313333	7	7	41	41
10 $10$ $44$ $44$ $11$ $11$ $11$ $45$ $45$ $12$ $12$ $12$ $46$ $46$ $13$ $13$ $47$ $47$ $14$ $14$ $48$ $48$ $15$ $15$ $49$ $49$ $16$ $16$ $50$ $50$ $17$ $17$ $51$ $51$ $18$ $18$ $52$ $52$ $19$ $19$ $53$ $53$ $20$ $20$ $54$ $54$ $21$ $21$ $21$ $55$ $22$ $22$ $22$ $23$ $23$ $57$ $57$ $24$ $24$ $58$ $58$ $25$ $25$ $60$ $60$ $27$ $27$ $61$ $61$ $28$ $28$ $62$ $62$ $29$ $29$ $29$ $63$ $63$ $31$ $31$ $31$ $65$ $65$ $32$ $32$ $32$ $66$ $66$	8	8	42	42
11 $11$ $45$ $45$ $12$ $12$ $12$ $46$ $46$ $13$ $13$ $47$ $47$ $14$ $14$ $48$ $48$ $15$ $15$ $49$ $49$ $16$ $16$ $50$ $50$ $17$ $17$ $51$ $51$ $18$ $18$ $52$ $52$ $19$ $19$ $53$ $53$ $20$ $20$ $54$ $54$ $21$ $21$ $21$ $55$ $22$ $22$ $22$ $23$ $23$ $57$ $24$ $24$ $58$ $58$ $25$ $25$ $59$ $59$ $26$ $26$ $60$ $60$ $27$ $27$ $61$ $61$ $28$ $28$ $62$ $62$ $29$ $29$ $29$ $63$ $63$ $30$ $30$ $30$ $64$ $64$ $31$ $31$ $31$ $65$ $65$ $32$ $32$ $32$ $66$ $66$	9	9	43	43
12 $12$ $46$ $46$ $13$ $13$ $47$ $47$ $14$ $14$ $48$ $48$ $15$ $15$ $49$ $49$ $16$ $16$ $50$ $50$ $17$ $17$ $51$ $51$ $18$ $18$ $52$ $52$ $19$ $19$ $53$ $53$ $20$ $20$ $54$ $54$ $21$ $21$ $21$ $55$ $55$ $22$ $22$ $22$ $56$ $56$ $23$ $23$ $23$ $57$ $57$ $24$ $24$ $24$ $58$ $58$ $25$ $25$ $60$ $60$ $60$ $27$ $27$ $61$ $61$ $61$ $28$ $28$ $28$ $62$ $62$ $29$ $29$ $29$ $63$ $63$ $30$ $30$ $30$ $64$ $64$ $31$ $31$ $31$ $65$ $65$ $32$ $32$ $32$ $66$ $66$	10	10	44	44
1313474714144848151549491616505017175151181852521919535320205454212155552222265623235757242458582525595926266060272761612828626229296363303030643131316533336767	11	11	45	45
14 $14$ $48$ $48$ $15$ $15$ $49$ $49$ $16$ $16$ $50$ $50$ $17$ $17$ $51$ $51$ $18$ $18$ $52$ $52$ $19$ $19$ $53$ $53$ $20$ $20$ $54$ $54$ $21$ $21$ $21$ $55$ $22$ $22$ $22$ $23$ $23$ $57$ $24$ $24$ $58$ $58$ $25$ $25$ $59$ $59$ $26$ $26$ $60$ $60$ $27$ $27$ $61$ $61$ $28$ $28$ $62$ $62$ $29$ $29$ $63$ $63$ $30$ $30$ $30$ $64$ $31$ $31$ $31$ $65$ $32$ $32$ $32$ $66$	12	12	46	46
15 $15$ $49$ $49$ $16$ $16$ $50$ $50$ $17$ $17$ $51$ $51$ $18$ $18$ $52$ $52$ $19$ $19$ $53$ $53$ $20$ $20$ $54$ $54$ $21$ $21$ $21$ $55$ $22$ $22$ $22$ $23$ $23$ $57$ $24$ $24$ $58$ $58$ $25$ $25$ $59$ $59$ $26$ $26$ $60$ $60$ $27$ $27$ $61$ $61$ $28$ $28$ $62$ $62$ $29$ $29$ $63$ $63$ $30$ $30$ $64$ $64$ $31$ $31$ $31$ $65$ $65$ $32$ $32$ $32$ $67$ $67$	13	13	47	47
16 $16$ $50$ $50$ $17$ $17$ $51$ $51$ $18$ $18$ $52$ $52$ $19$ $19$ $53$ $53$ $20$ $20$ $54$ $54$ $21$ $21$ $55$ $55$ $22$ $22$ $25$ $56$ $23$ $23$ $57$ $57$ $24$ $24$ $58$ $58$ $25$ $25$ $59$ $59$ $26$ $26$ $60$ $60$ $27$ $27$ $61$ $61$ $28$ $28$ $62$ $62$ $29$ $29$ $63$ $63$ $30$ $30$ $64$ $64$ $31$ $31$ $31$ $65$ $65$ $32$ $32$ $32$ $33$ $67$	14	14	48	48
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	15	15	49	49
18 $18$ $52$ $52$ $19$ $19$ $53$ $53$ $20$ $20$ $54$ $54$ $21$ $21$ $55$ $55$ $22$ $22$ $25$ $56$ $23$ $23$ $57$ $57$ $24$ $24$ $58$ $58$ $25$ $25$ $59$ $59$ $26$ $26$ $60$ $60$ $27$ $27$ $61$ $61$ $28$ $28$ $62$ $62$ $29$ $29$ $63$ $63$ $30$ $30$ $64$ $64$ $31$ $31$ $31$ $65$ $65$ $32$ $32$ $32$ $66$ $66$	16	16	50	50
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	17	17	51	51
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	18	18	52	52
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	19	19	53	53
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	20	20	54	54
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	21	21	55	55
24 24   25 25   26 26   27 27   28 28   29 29   30 30   31 31   32 32   33 33	22	22	56	56
25 25   26 26   27 27   28 28   29 29   30 30   31 31   32 32   33 33	23	23	57	57
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	24	24	58	58
27 27   28 28   29 29   30 30   31 31   32 32   33 33	25	25	59	59
28 28 62 62   29 29 63 63   30 30 64 64   31 31 65 65   32 32 66 66   33 33 67 67	26	26	60	60
29   29   63   63     30   30   64   64     31   31   65   65     32   32   66   66     33   33   67   67	27	27	61	61
30   30   64   64     31   31   65   65     32   32   66   66     33   33   67   67	28	28	62	62
31   31   65   65     32   32   66   66     33   33   67   67	29	29	63	63
32   32   66   66     33   33   67   67	30	30	64	64
<u>33</u> <u>33</u> <u>67</u> <u>67</u>	31	31	65	65
	32	32	66	66
34 34 68 68	33	33	67	67
	34	34	68	68

Figure 2-1 : HD68 Terminal Block Pin Assignment

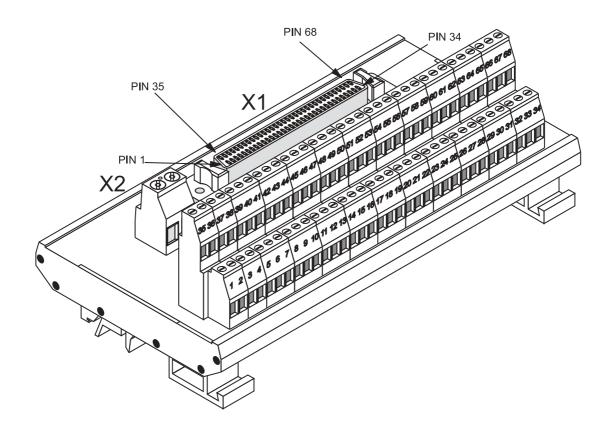


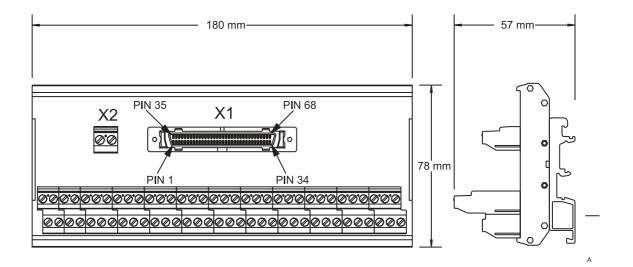
X2 Terminal Block	X1 female SCSI-3
1	Case ground / shield
2	Case ground / shield

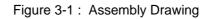
Figure 2-2 : Case Ground Terminal Block Pin Assignment



## 3 Assembly Drawing







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