

TA116 MDR50 Cable

**1.8m cable with two 50-pin male
MDR type connectors**

Version 1.0

User Manual

Issue 1.0.0

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TA116-10R

1.8m cable with two 50-pin male MDR type connectors

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Document History

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1 Product Description

The TA116 is a 50-pin cable that provides a direct connection to the TEWS product range with MDR50 type connectors in the front panel (for example TPMC151, TPMC160 and more). It establishes a one to one connection between the MDR50 type connectors at both sides of the shielded cable. Always two wires are constructed as twisted pairs (1 and 26, 2 and 27, ..., 25 and 50).

The length of the cable is at least 1.8m.

The permissible maximum voltage for the TA116 is 30V DC.

In combination with a TA209 MDR50 Terminal Block, the TA116 cable is perfectly suited for prototyping and also for series production.

2 Cable Pin Assignment

The cable provides a one to one connection between the MDR50 connectors X1 and X2.

The “∞” symbol denotes the wires that are constructed as twisted pairs (i.e. wires 1 & 26 form a twisted pair, 2 & 27 etc)

MDR50 #1 Pin	MDR50 #2 Pin		MDR50 #1 Pin	MDR50 #2 Pin
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

Table 2-1 : TA116 Cable Pin Assignment

3 Assembly Drawing

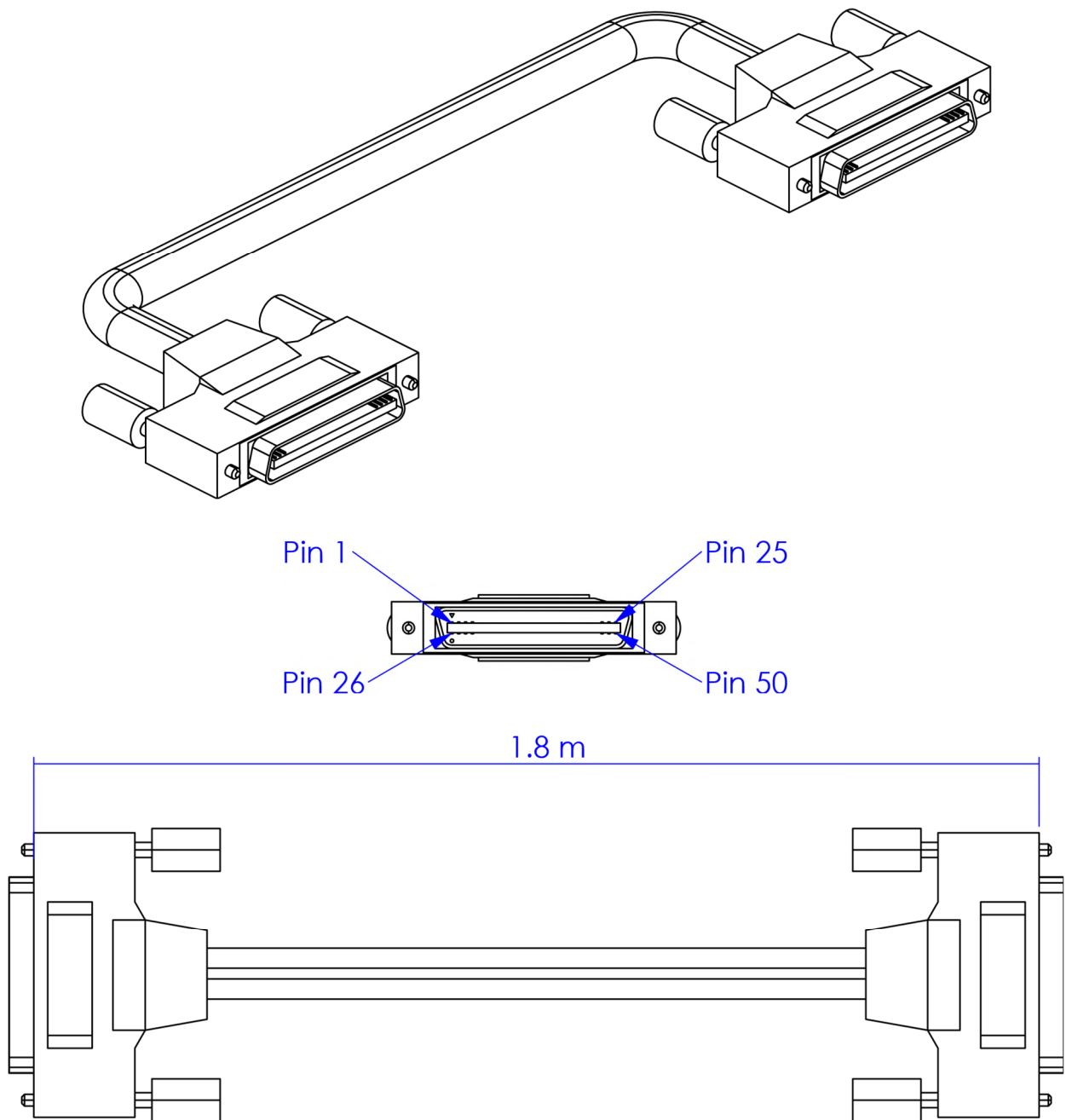


Figure 3-1 : TA116 Assembly Drawing