TA305

Cable Kit for Modules
with 50 pin Ribbon Cable Connector

Version 1.0

User Manual

Issue 1.0.2

February 2011

TA305-10R Cable Kit

Cable Kit for Modules with 50 pin Ribbon Cable Connector

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#.

Issue	Description	Date
1.0	First Issue	April 2005
1.1	New address TEWS LLC	September 2006
1.0.2	General Revision	February 2011

Table of Contents

Table of Figures

1 Product Description

The TA305 combines the TA204 50 pin Ribbon Cable Connector Terminal Block and the TA106 50 pin Ribbon Cable. It is used to build a standard interface for a switch cabinet to connect TEWS modules with other system devices. The 50 pin Ribbon Cable Kit is therefore an essential wiring interface for prototyping and in the same way for machines and peripheral equipment.

The 50 pin Ribbon Cable connection could be used for modules with standard 50 pin ribbon cable connectors. At both sides of the cable 50 pin ribbon cable connectors are mounted which provide a direct connection to TEWS IP Carrier, for VME, PCI and CompactPCI systems (for example TVME200, TPCI200 and TCP211).

The 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 50 pin Terminal Block Pin Assignment

Terminal Block	Ribbon Cable Connector	Terminal Block	Ribbon Cable Connector
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 : Pin Assignment

3 Assembly Drawing
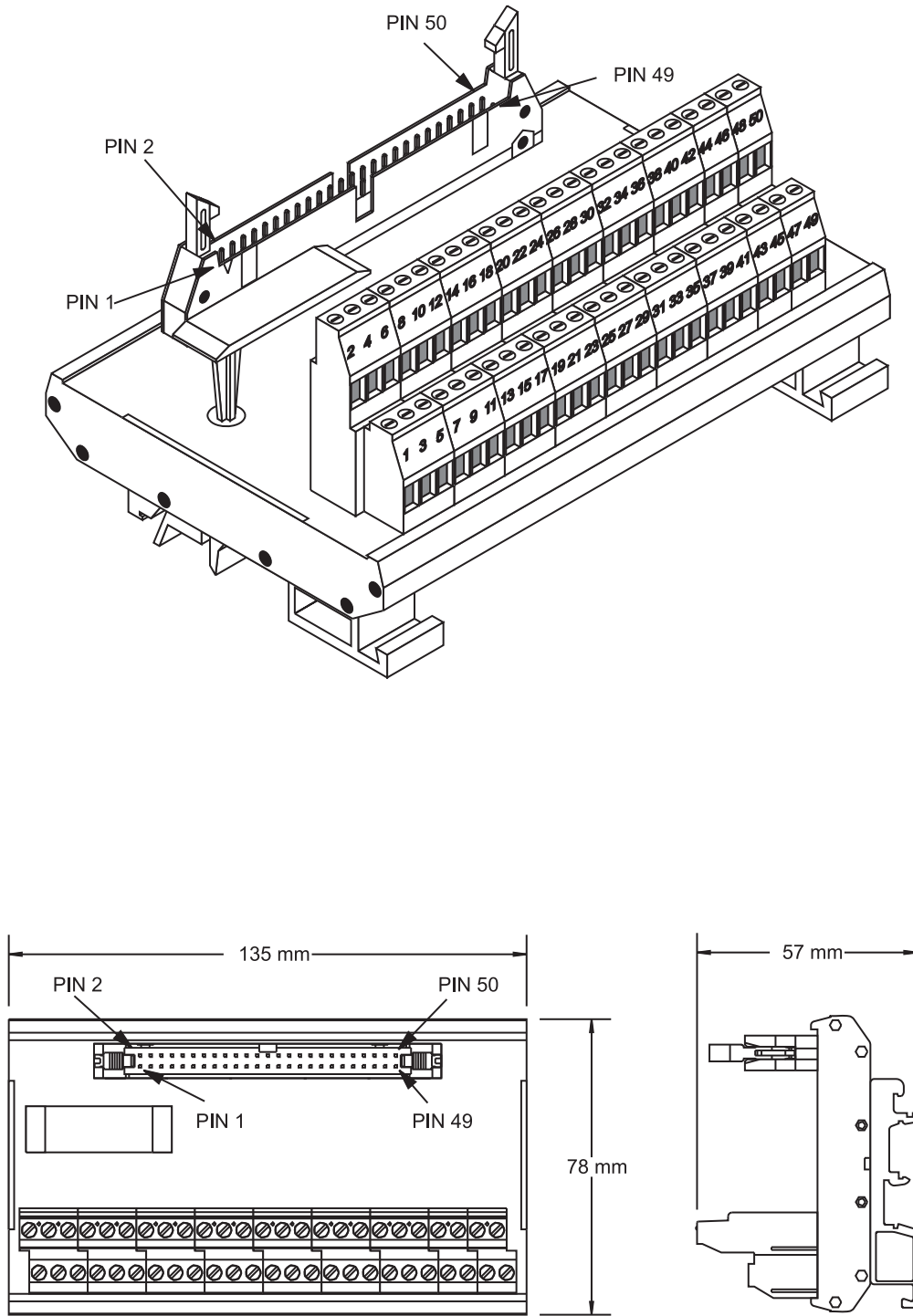
Figure 3-1 : Terminal block Assembly Drawing

X2

additional 50 pin ribbon cable connector

PIN 49

PIN 50

PIN 1

X1

PIN 2

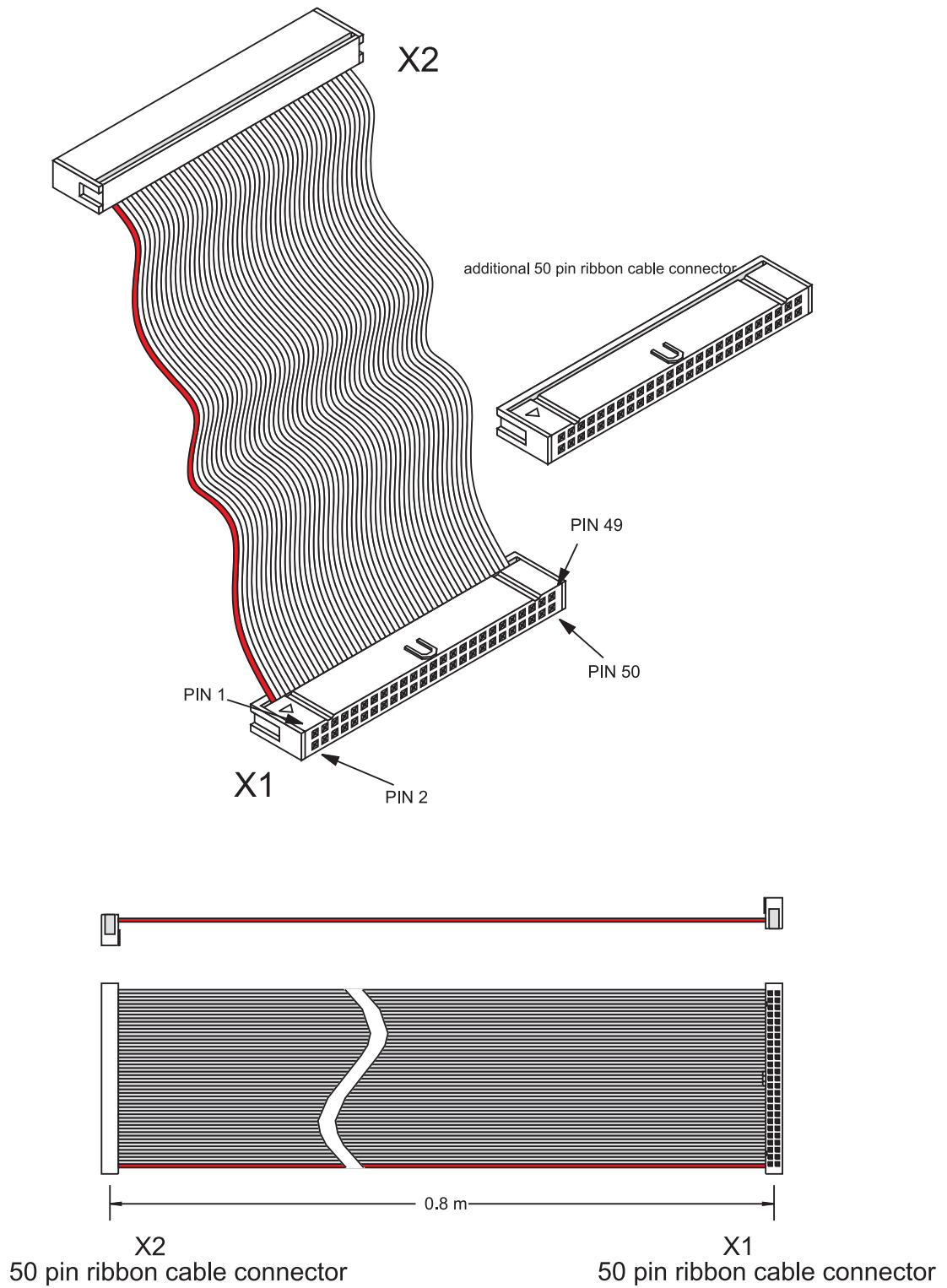0.8 m

X2
50 pin ribbon cable connector

X1
50 pin ribbon cable connector

Figure 3-2 : Cable Assembly Drawing