

# TA307 Cable Kit

**Cable Kit for Modules with VHD68 Connector**

Version 1.0

## **User Manual**

Issue 1.0.3

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## TA307-10R Cable Kit

Cable Kit for Modules with VHD68 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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| 1.0.0        | First Issue                       | December 2009 |
| 1.0.1        | Extension "Product Description"   | January 2011  |
| 1.0.2        | Clarification of Connector naming | May 2011      |
| 1.0.3        | Assembly Drawing correction       | June 2013     |

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# **1 Product Description**

The TA307 combines the TA203 HD68 Terminal Block and the TA109 VHD68 – HD68 cable. It is used to build a standard interface for a switch cabinet to connect TEWS modules with other system devices. The VHD68 Cable Kit is therefore an essential wiring interface for prototyping and in the same way for machines and peripheral equipment.

The 68 pin Cable connection could be used for modules with a VHD68 female connector. At one side of the cable a 68 pin male HD68 SCSI-3 type connector is mounted which is used for connection to the HD68 Terminal Block. At the other side of the cable a 68 pin VHD68 male SCSI-V type connector (also known as VHDCI) is mounted which provides a connection to TEWS modules with front I/O VHD68 connectors like the TAMC200 or TAMC863.

Always two wires of the 68 pin VHD68 – HD68 Cable are constructed as twisted pairs (1 and 35, 2 and 36, ..., 34 and 68).

The permissible maximum voltage for the TA307 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 mm<sup>2</sup>.

## 2 Cable Kit Pin Assignment

| Terminal Block | VHD68 Connector | Terminal Block | VHD68 Connector |
|----------------|-----------------|----------------|-----------------|
| 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 : Cable Kit Pin Assignment

# 3 Assembly Drawings

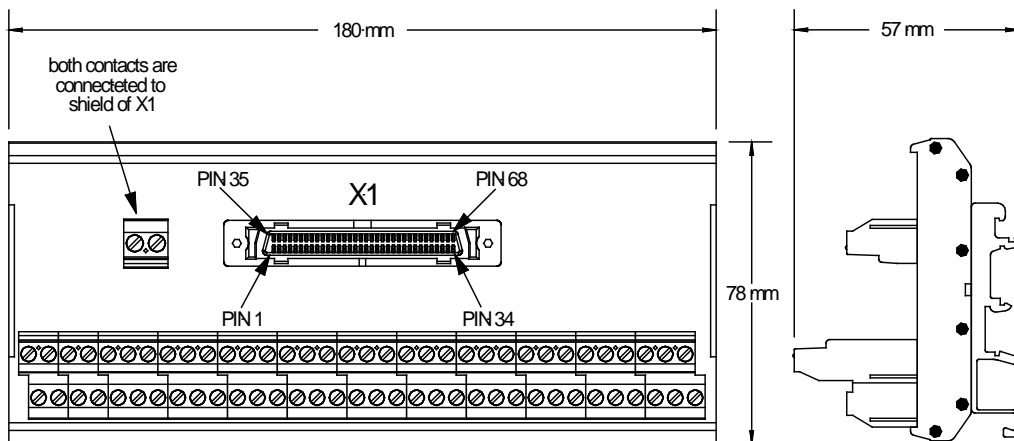
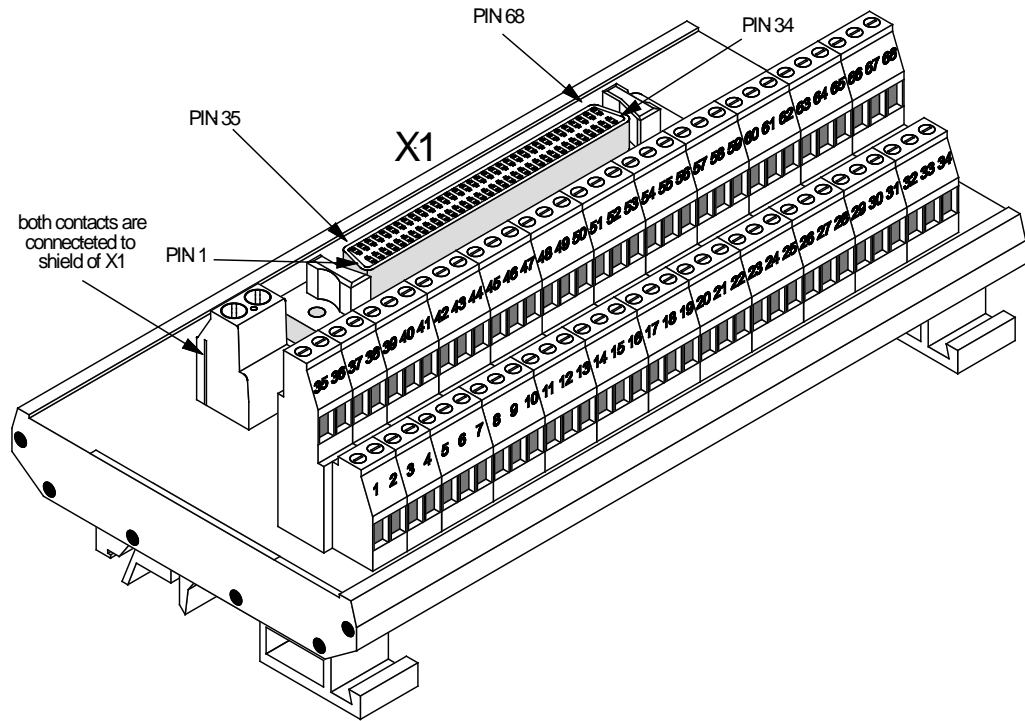


Figure 3-1 : Terminal Block Assembly Drawing

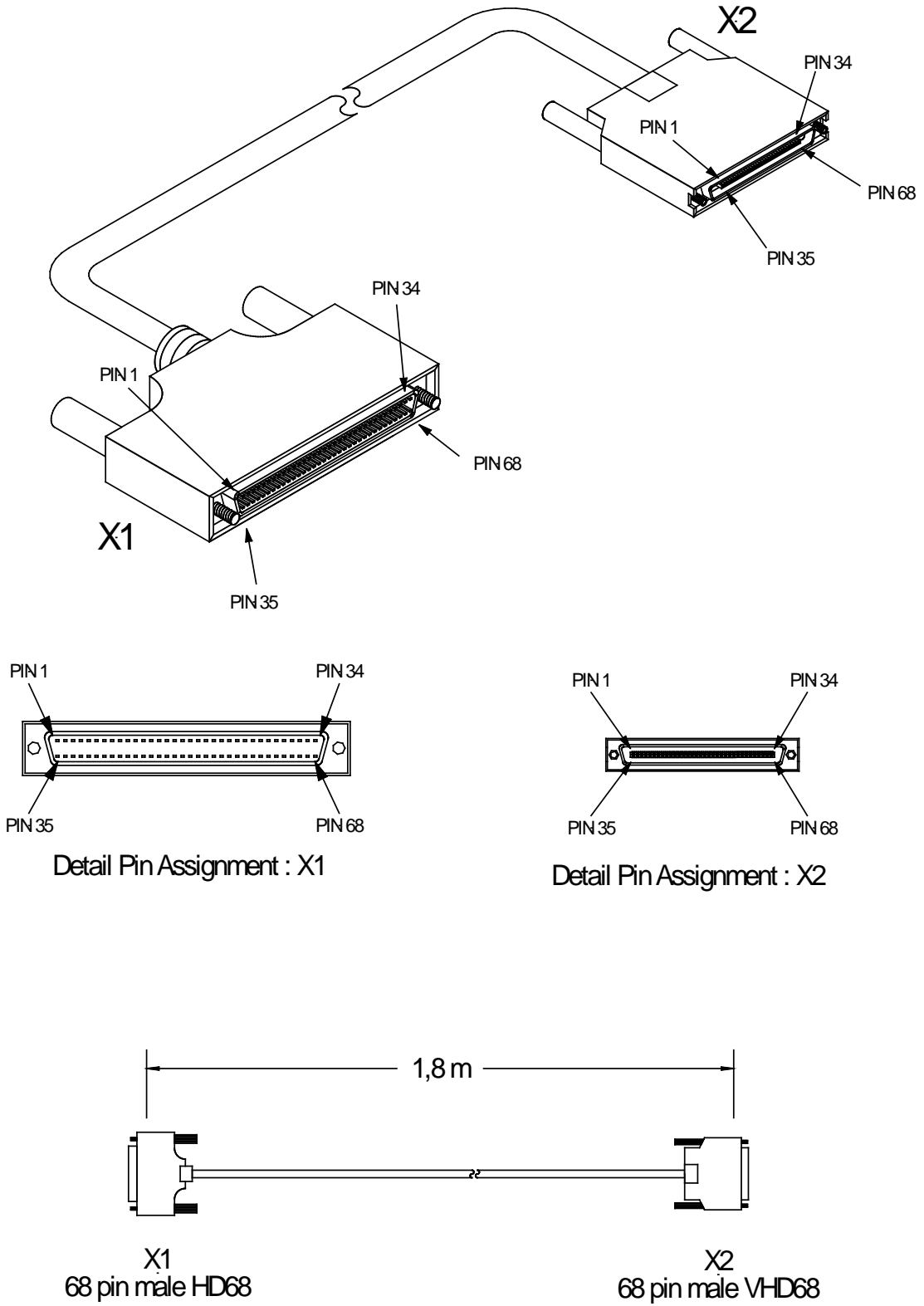


Figure 3-2 : Cable Assembly Drawing