The Embedded I/O Company

TA114

1.2 m cable with one male HDRA100 connector and two male HD50 connectors

Version 1.0

User Manual

Issue 1.0.0

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TA114-10R

1.2 m cable with one male HDRA100 connector and two male HD50 connectors

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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#.

Access terms are described as:

W	Write Only
R	Read Only
R/W	Read/Write
R/C	Read/Clear
R/S	Read/Set

Issue	Description	Date
1.0.0	Initial issue	July 2017

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1 Product Description

The TA114 represents an adequate connection from a HDRA100 module connector to two standard HD50 connectors.

On one side of the shielded cable a 100 contacts Honda HDRA connector is mounted. On the other side two 50 contacts Honda HD (SCSI-2 type compatible) connectors provide a more common connection.

The TA114 Cable in combination with two TA201 HD50 Terminal Blocks can be used for prototyping and also for series.

The cable length of the TA114 is at least 1.2 m.

The permissible maximum voltage for the TA114 is 30V DC.

2 Pin Assignment – I/O Connector

2.1 X1 to X2

X1 HDRA100	X2 HD50				X1 HDRA100	X2 HD50
1	1		twisted		51	26
2	2		twisted		52	27
3	3		twisted		53	28
4	4		twisted		54	29
5	5		twisted		55	30
6	6		twisted		56	31
7	7		twisted		57	32
8	8		twisted		58	33
9	9		twisted		59	34
10	10		twisted		60	35
11	11		twisted		61	36
12	12		twisted		62	37
13	13		twisted		63	38
14	14		twisted		64	39
15	15		twisted		65	40
16	16		twisted		66	41
17	17		twisted		67	42
18	18		twisted		68	43
19	19		twisted		69	44
20	20		twisted		70	45
21	21		twisted		71	46
22	22		twisted		72	47
23	23		twisted		73	48
24	24		twisted		74	49
25	25		twisted		75	50

Table 2-1 : Pin Assignment Part A (X1 to X2)

2.2 X1 to X3

X1 HDRA100	X3 HD50				X1 HDRA100	X3 HD50
26	1		twisted		76	26
27	2		twisted		77	27
28	3		twisted		78	28
29	4		twisted		79	29
30	5		twisted		80	30
31	6		twisted		81	31
32	7		twisted		82	32
33	8		twisted		83	33
34	9		twisted		84	34
35	10		twisted		85	35
36	11		twisted		86	36
37	12		twisted		87	37
38	13		twisted		88	38
39	14		twisted		89	39
40	15		twisted		90	40
41	16		twisted		91	41
42	17		twisted		92	42
43	18		twisted		93	43
44	19		twisted		94	44
45	20		twisted		95	45
46	21		twisted		96	46
47	22		twisted		97	47
48	23		twisted		98	48
49	24		twisted		99	49
50	25		twisted		100	50

Table 2-2 : Pin Assignment Part B (X1 to X3)

3   Assembly Drawing

Detail Pin Assignment : X2 and X3
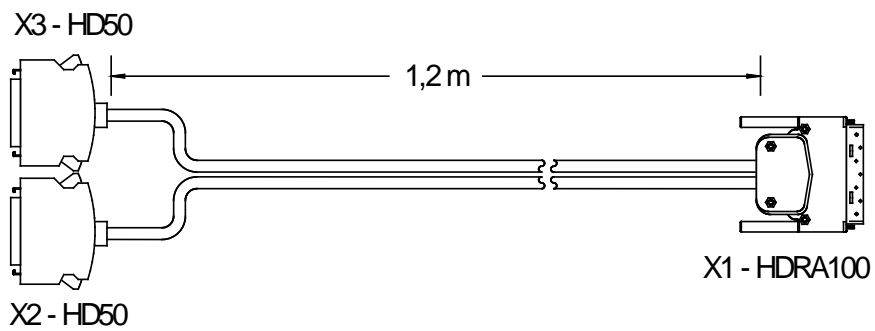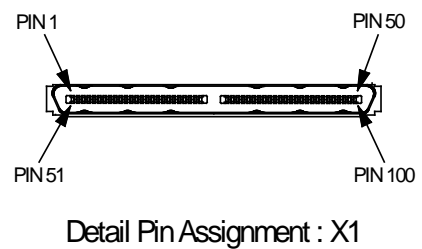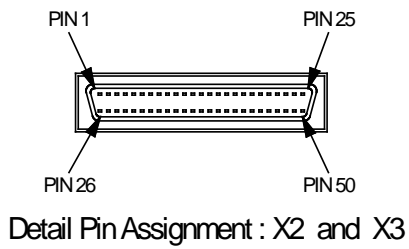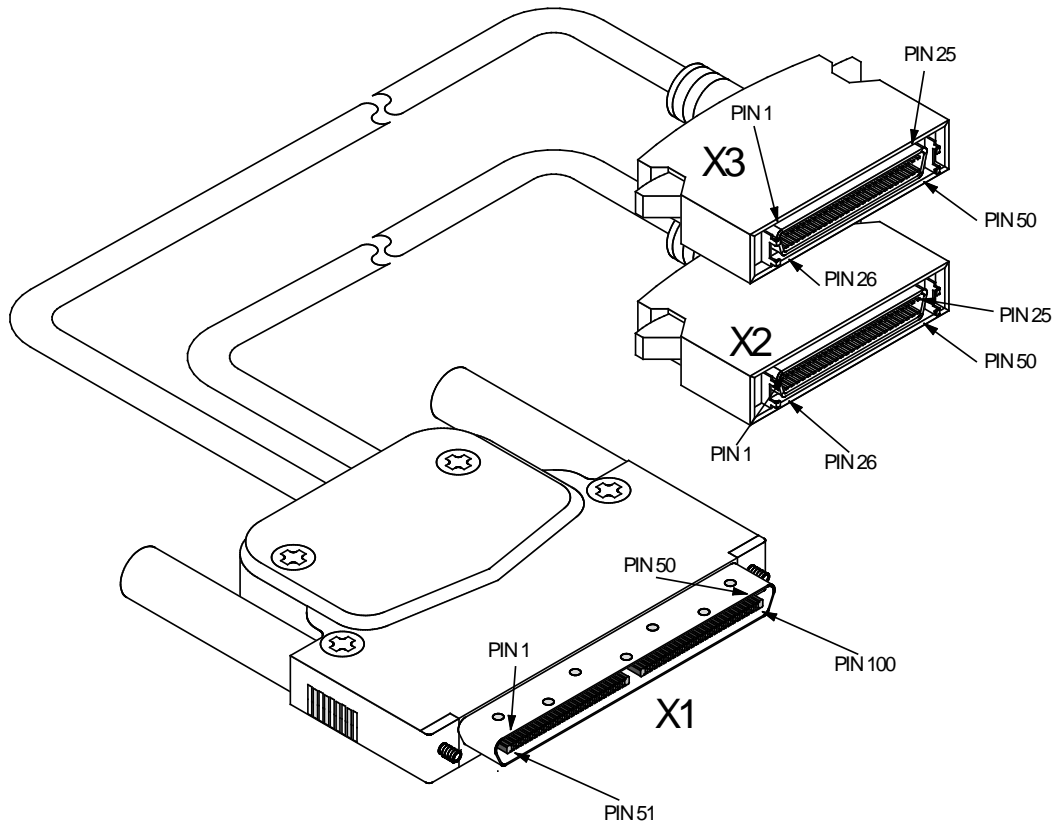
Detail Pin Assignment : X1

X3 - HD50

1,2 m

X1 - HDRA100

X2 - HD50

Figure 3-1 : Assembly Drawing