Model 1865-Z1A

Rack Mount Termination Panel

INSTRUCTION MANUAL

August, 1994

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TABLES

WARRANTY
DWP

CAMAC

Rack Mount Termination Panel

(Product specifications and descriptions subject to change without notice.)

1865-Z1A

GENERAL DESCRIPTION

The Model 1865 Termination Panel provides a convenient method for field terminating module I/O signals. Arranged for 19-inch rack mounting, the panel permits termination of up to 72 I/O terminations and occupies only 4.45 centimeters (1 3/4 inches) of rack height.

The 1865 uses 72 LMI steel cage clamp terminals to receive field wiring. Each terminal accepts a single solid or stranded conductor in wire sizes AG 22 to AG 14. The rear panel has two 50P Amphenol Ribbon connectors, one 50S High Density connector, and one 68S High Density connector for a wide variety of solutions.

FEATURES

- Up to 72 I/O terminations with 19" rack mounting.
- Internal reference junction.
- Dependable cage clamp connections to field wiring.
- Test points available on each terminal.

APPLICATIONS

- Field wiring terminations.
- Module I/O termination.
- General purpose patch panel.
- General purpose temperature measurement.
- Distributed environmental temperature control and monitoring.
- Temperature control in material processing.

ORDERING INFORMATION

1865-Z1A	Rack Mount Termination Panel
Accessories	5819-Exyz Cable, 50P High Density to 50P High Density
	5819-Fxyz Cable, 50P High Density to 50S High Density
	5819-Hxyz Cable, 50P High Density to 50P Amphenol Ribbon
	5855-Bxyz Cable 50S Amphenol Ribbon to 36 AMP Rectangular (up to 2)
	5868-Cxyz Cable, 68P High Density to 68P High Density
	5868-Dxyz Cable, 68P High Density to 68S High Density

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FRONT PANEL

For each terminal, the front panel describes which pin of which connector is connected. The front panel labelling is designed so the 1865 can be rotated 180 degrees to accept field wiring from the top of the terminal block.

CONNECTORS

The 1865 provides a variety of connection options for maximum system flexibility.

J3 (50S High Density) is connected to the first 50 terminals of the terminal block. The other 22 terminals are not connected to J3. (Refer to Table 1)

J4 (68S High Density) is connected to the first 68 terminals of the terminal block. The other 4 terminals are not connected to J4. (Refer to Table 1)

P2 and P5 (50P Amphenol Ribbons) are distributed evenly across all 72 terminals. The first 36 terminals are connected to P2, and the second 36 terminals are connected to P5. The other 14 pins of the Amphenol Ribbon connectors are not connected. (Refer to Table 1)

Table 1 shows the connection from each terminal to each connector. The terminals are numbered in increasing order from left to right.

TABLE 1 - CONNECTOR LAYOUT

#	50P Amphenol Ribbon	68S High Density	50S High Density
1	P2 - 1	J4 - 1	J3 - 1
2	P2 - 26	J4 - 35	J3 - 26
3	P2 - 2	J4 - 2	J3 - 2
4	P2 - 27	J4 - 36	J3 - 27
5	P2 - 3	J4 - 3	J3 - 3
6	P2 - 28	J4 - 37	J3 - 28
7	P2 - 4	J4 - 4	J3 - 4
8	P2 - 29	J4 - 38	J3 - 29
9	P2 - 5	J4 - 5	J3 - 5
10	P2 - 30	J4 - 39	J3 - 30
11	P2 - 6	J4 - 6	J3 - 6
12	P2 - 31	J4 - 40	J3 - 31
13	P2 - 7	J4 - 7	J3 - 7
14	P2 - 32	J4 - 41	J3 - 32
15	P2 - 8	J4 - 8	J3 - 8
16	P2 - 33	J4 - 42	J3 - 33
17	P2 - 9	J4 - 9	J3 - 9
18	P2 - 34	J4 - 43	J3 - 34
19	P2 - 10	J4 - 10	J3 - 10
20	P2 - 35	J4 - 44	J3 - 35
21	P2 - 11	J4 - 11	J3 - 11
22	P2 - 36	J4 - 45	J3 - 36
23	P2 - 12	J4 - 12	J3 - 12
24	P2 - 37	J4 - 46	J3 - 37
25	P2 - 13	J4 - 13	J3 - 13
26	P2 - 38	J4 - 47	J3 - 38
27	P2 - 14	J4 - 14	J3 - 14
28	P2 - 39	J4 - 48	J3 - 39
29	P2 - 15	J4 - 15	J3 - 15
30	P2 - 40	J4 - 49	J3 - 40
31	P2 - 16	J4 - 16	J3 - 16
32	P2 - 41	J4 - 50	J3 - 41
33	P2 - 17	J4 - 17	J3 - 17
34	P2 - 42	J4 - 51	J3 - 42
35	P2 - 18	J4 - 18	J3 - 18
36	P2 - 43	J4 - 52	J3 - 43

TABLE 1 Cont'd - CONNECTOR LAYOUT

#	50P Amphenol Ribbon	68S High Density	50S High Density
37	P5 - 1	J4 - 19	J3 - 19
38	P5 - 26	J4 - 53	J3 - 44
39	P5 - 2	J4 - 20	J3 - 20
40	P5 - 27	J4 - 54	J3 - 45
41	P5 - 3	J4 - 21	J3 - 21
42	P5 - 28	J4 - 55	J3 - 46
43	P5 - 4	J4 - 22	J3 - 22
44	P5 - 29	J4 - 56	J3 - 47
45	P5 - 5	J4 - 23	J3 - 23
46	P5 - 30	J4 - 57	J3 - 48
47	P5 - 6	J4 - 24	J3 - 24
48	P5 - 31	J4 - 58	J3 - 49
49	P5 - 7	J4 - 25	J3 - 25
50	P5 - 32	J4 - 59	J3 - 50
51	P5 - 8	J4 - 26	Not Connected
52	P5 - 33	J4 - 60	Not Connected
53	P5 - 9	J4 - 27	Not Connected
54	P5 - 34	J4 - 61	Not Connected
55	P5 - 10	J4 - 28	Not Connected
56	P5 - 35	J4 - 62	Not Connected
57	P5 - 11	J4 - 29	Not Connected
58	P5 - 36	J4 - 63	Not Connected
59	P5 - 12	J4 - 30	Not Connected
60	P5 - 37	J4 - 64	Not Connected
61	P5 - 13	J4 - 31	Not Connected
62	P5 - 38	J4 - 65	Not Connected
63	P5 - 14	J4 - 32	Not Connected
64	P5 - 39	J4 - 66	Not Connected
65	P5 - 15	J4 - 33	Not Connected
66	P5 - 40	J4 - 67	Not Connected
67	P5 - 16	J4 - 34	Not Connected
68	P5 - 41	J4 - 68	Not Connected
69	P5 - 17	Not Connected	Not Connected
70	P5 - 42	Not Connected	Not Connected
71	P5 - 18	Not Connected	Not Connected
72	P5 - 43	Not Connected	Not Connected

TEST POINTS

Test points are available on each terminal block and are located above the captive screw. The testing hole is .078" (2 mm) in diameter and is designed to accept standard multimeter test leads.