

REV	DESCRIPTION	DATE	BY
A	NEW DRAWING	01/20/04	H.N.

**F7416**

**Overview**

The Digilab breadboard/wirewrap board (DBB) offers a ready-made solution for creating breadboard or wirewrap circuits as accessories to Digilab system boards. All signals pass directly through the DBB, so it can be inserted between system boards and I/O boards. All signals are also brought to test point and prototyping connectors for convenience.

DBB features include:

- A large 540 tie-point breadboard with separate pre-connected power/GND tracks, or a 540-hole wirewrap area;
- Test point connections on every signal;
- Prototype/wirewrap connections on every signal;
- Compatibility with all Digilab system boards for easy design extension.

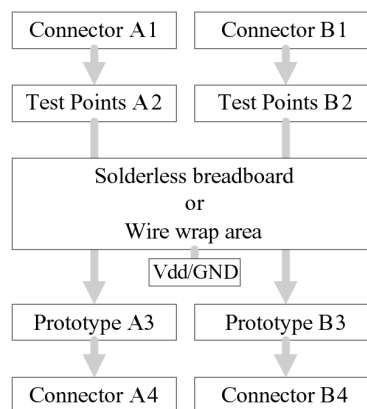
**Functional Description**

The DBB simply extends the A & B and E & F connectors of Digilab system boards. All signals originating from a system board pass directly through the DBB from the connectors on one side of the board to the other. All signals are brought out to both test point and prototyping connectors, so they may easily be accessed. The DBB provides a large breadboard/wirewrap area where accessory


circuits can easily be constructed and attached directly to signals arising from a connected system board. Multiple DBB's can be used to create an even larger breadboard area. The Vdd and GND signals generated by the connected system board are made available to the breadboard area.

**Signals and Connector Pinouts**

All signals on the DBB are labeled with an "A" or "B", appended with the connector pin number.



**ET-DBB-1 breadboard schematic**

<b>ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED</b>			
		<b>Emulation Technology, Inc.</b>	
		VLSI and SMT ADAPTERS and ACCESSORIES	
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SHEET: 1 OF 3	DATE: 01/20/04	REVISION:	<b>ASSEMBLY DRAWING</b>
CHECKED: Perry Munroe	DRAWN: Huy Nguyen		ITEM: ET-DWR-1
DO NOT SCALE DRAWING			DESCRIPTION: ET-DWR-1

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Connector A1

1	⊗	A1
2	⊗	A2
3	⊗	A3
4	⊗	A4
5	⊗	A5
6	⊗	A6
7	⊗	A7
8	⊗	A8
9	⊗	A9
10	⊗	A10
11	⊗	A11
12	⊗	A12
13	⊗	A13
14	⊗	A14
15	⊗	A15
16	⊗	A16
17	⊗	A17
18	⊗	A18
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26	⊗	A26
27	⊗	A27
28	⊗	A28
29	⊗	A29
30	⊗	A30
31	⊗	A31
32	⊗	A32
33	⊗	A33
34	⊗	A34
35	⊗	A35
36	⊗	A36
37	⊗	UDD
38	⊗	A38
39	⊗	GND
40	⊗	UU

A1

Connector A2

1	⊗	A1
2	⊗	A2
3	⊗	A3
4	⊗	A4
5	⊗	A5
6	⊗	A6
7	⊗	A7
8	⊗	A8
9	⊗	A9
10	⊗	A10
11	⊗	A11
12	⊗	A12
13	⊗	A13
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31	⊗	A31
32	⊗	A32
33	⊗	A33
34	⊗	A34
35	⊗	A35
36	⊗	A36
37	⊗	UDD
38	⊗	A38
39	⊗	GND
40	⊗	UU

A2

Connector A3

1	⊗	A1
2	⊗	A2
3	⊗	A3
4	⊗	A4
5	⊗	A5
6	⊗	A6
7	⊗	A7
8	⊗	A8
9	⊗	A9
10	⊗	A10
11	⊗	A11
12	⊗	A12
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29	⊗	A29
30	⊗	A30
31	⊗	A31
32	⊗	A32
33	⊗	A33
34	⊗	A34
35	⊗	A35
36	⊗	A36
37	⊗	UDD
38	⊗	A38
39	⊗	GND
40	⊗	UU

A3

Connector A4

1	⊗	A2
2	⊗	A1
3	⊗	A4
4	⊗	A3
5	⊗	A6
6	⊗	A5
7	⊗	A8
8	⊗	A7
9	⊗	A10
10	⊗	A9
11	⊗	A12
12	⊗	A11
13	⊗	A14
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15	⊗	A16
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30	⊗	A29
31	⊗	A32
32	⊗	A31
33	⊗	A34
34	⊗	A33
35	⊗	A36
36	⊗	A35
37	⊗	A38
38	⊗	UDD
39	⊗	UU
40	⊗	GND

A4

Connector B1

1	⊗	B1
2	⊗	B2
3	⊗	B3
4	⊗	B4
5	⊗	B5
6	⊗	B6
7	⊗	B7
8	⊗	B8
9	⊗	B9
10	⊗	B10
11	⊗	B11
12	⊗	B12
13	⊗	B13
14	⊗	B14
15	⊗	B15
16	⊗	B16
17	⊗	B17
18	⊗	B18
19	⊗	B19
20	⊗	B20
21	⊗	B21
22	⊗	B22
23	⊗	B23
24	⊗	B24
25	⊗	B25
26	⊗	B26
27	⊗	B27
28	⊗	B28
29	⊗	B29
30	⊗	B30
31	⊗	B31
32	⊗	B32
33	⊗	B33
34	⊗	B34
35	⊗	B35
36	⊗	B36
37	⊗	UDD
38	⊗	B38
39	⊗	GND
40	⊗	UU

B1

Connector B2

1	⊗	B1
2	⊗	B2
3	⊗	B3
4	⊗	B4
5	⊗	B5
6	⊗	B6
7	⊗	B7
8	⊗	B8
9	⊗	B9
10	⊗	B10
11	⊗	B11
12	⊗	B12
13	⊗	B13
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29	⊗	B29
30	⊗	B30
31	⊗	B31
32	⊗	B32
33	⊗	B33
34	⊗	B34
35	⊗	B35
36	⊗	B36
37	⊗	UDD
38	⊗	B38
39	⊗	GND
40	⊗	UU

B2

Connector B3

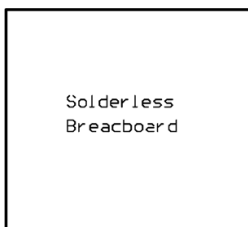
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3	⊗	B3
4	⊗	B4
5	⊗	B5
6	⊗	B6
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8	⊗	B8
9	⊗	B9
10	⊗	B10
11	⊗	B11
12	⊗	B12
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32	⊗	B32
33	⊗	B33
34	⊗	B34
35	⊗	B35
36	⊗	B36
37	⊗	UDD
38	⊗	B38
39	⊗	GND
40	⊗	UU

B3

Connector B4

1	⊗	B2
2	⊗	B1
3	⊗	B4
4	⊗	B3
5	⊗	B6
6	⊗	B5
7	⊗	B8
8	⊗	B7
9	⊗	B10
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33	⊗	B34
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37	⊗	B38
38	⊗	UDD
39	⊗	UU
40	⊗	GND

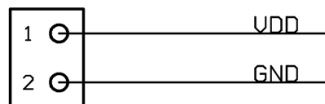
B4



Solderless  
Breacboard

BB1

ETC-501



J9

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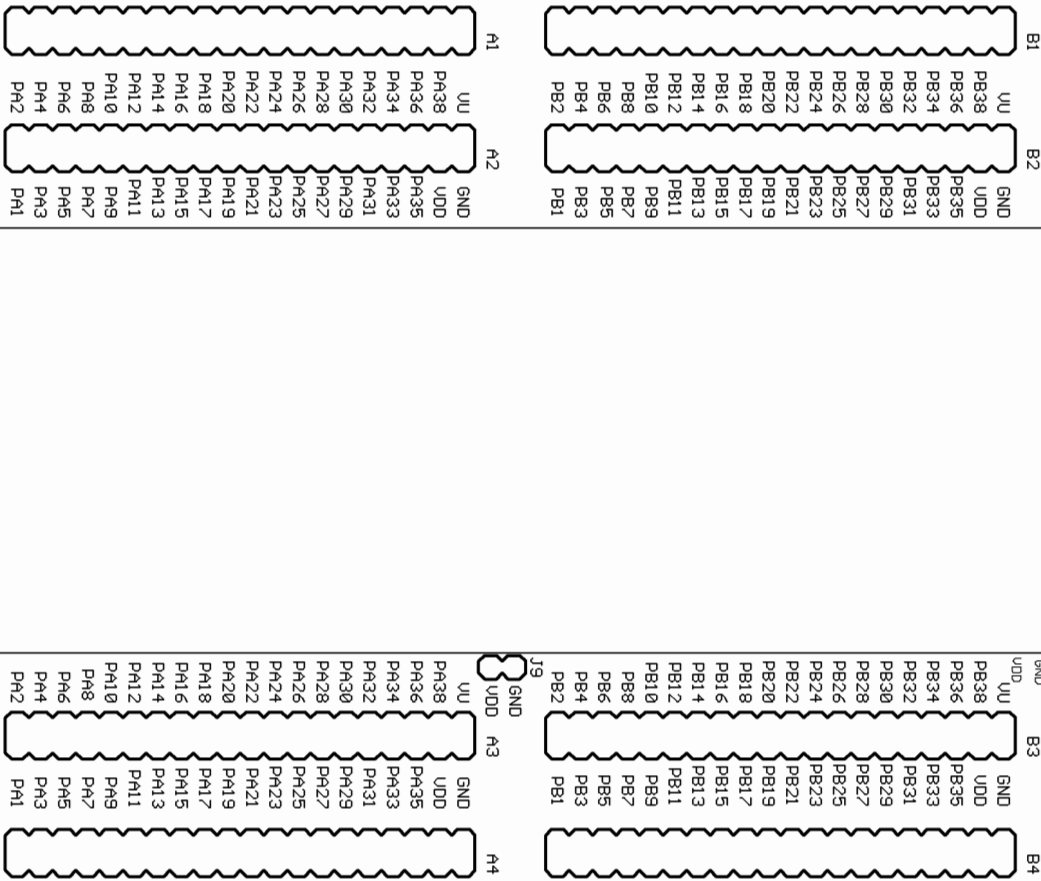
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A	NEW DRAWING	01/20/04	H.N.

Breadboard 1



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