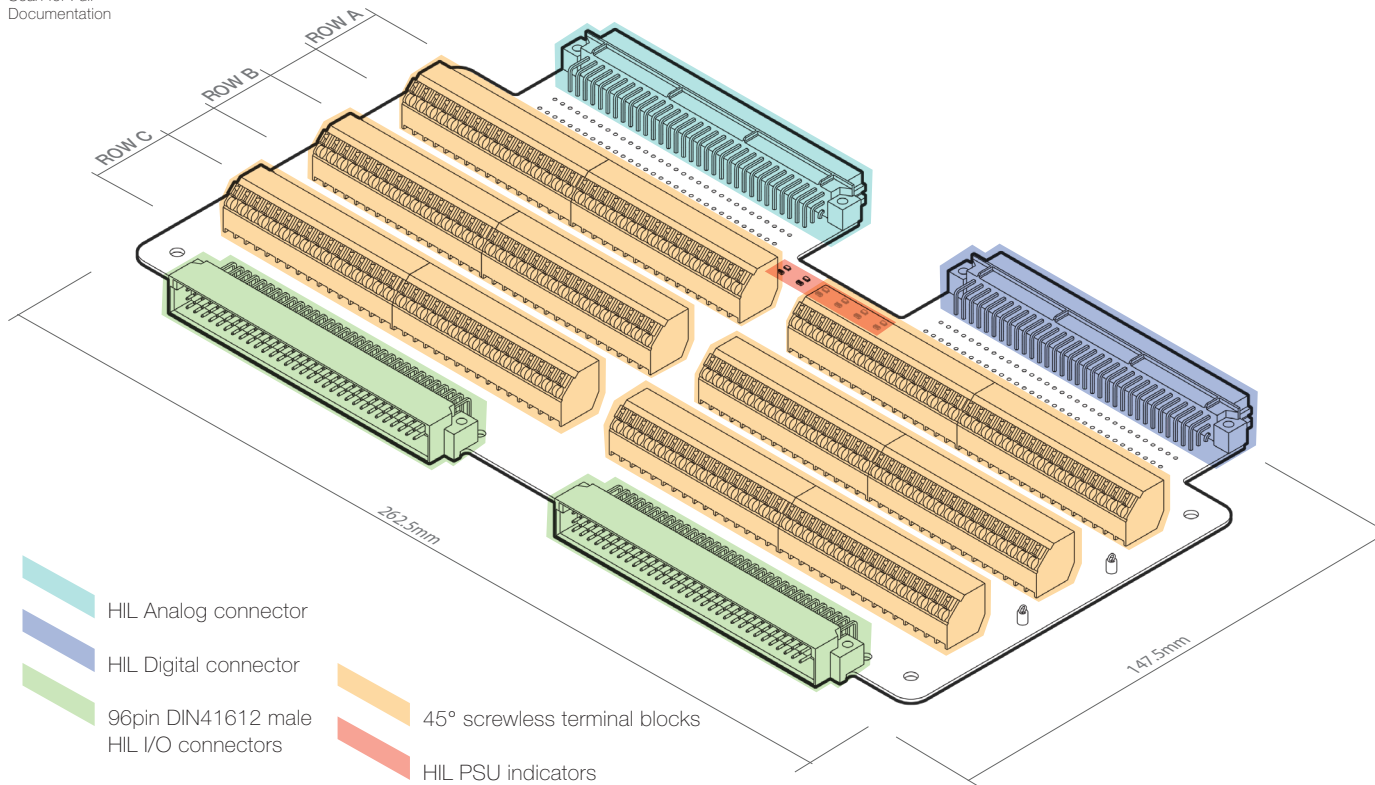




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HIL Breakout Board

Make a controller test harness in no time.



Applications

The HIL Breakout Board is a universal control interface board with 192 snap-in terminals for fast and flexible connection of all your control I/O signal lines. In a matter of minutes, you can interface any control system to your HIL device.

No tools are required for interfacing with the HIL Breakout Board. Connect any wire with up to a

1.5 mm cross-section by simply pushing the wire into a connector terminal.

Want to daisy-chain multiple HIL Accessories? No problem. Two pass-through DIN41612 connectors bring out the whole HIL device I/O. Additionally, the Breakout Board's snap-in terminals allow you to intercept all signals.

Features and Benefits

- Based on Weidmuller LSF-SMT 3.50/16/135 connectors, beveled at 45° for easy access
- Low height profile enables connecting two Breakout Boards to a single HIL 6-series device
- All HIL I/O pins are physically accessible via 192 snap-in terminals for fast and flexible interfacing of any controller
- Dedicated through-hole measurement terminals for all HIL I/O channels, including grounds
- On-board indicators of the HIL power supply status

DIN41612 connector pinout
(depends on the connected HIL device type)*

ANALOG CONNECTOR								
ROW A	ROW B	ROW C						
1 AO1	1 AO17	1 AGND						
2 AO2	2 AO18	2 AGND						
3 AO3	3 AO19	3 AGND						
4 AO4	4 AO20	4 AGND						
5 AO5	5 AO21	5 AGND						
6 AO6	6 AO22	6 AGND						
7 AO7	7 AO23	7 AGND						
8 AO8	8 AO24	8 AGND						
9 AO9	9 AO25	9 AGND						
10 AO10	10 AO26	10 AGND						
11 AO11	11 AO27	11 AGND						
12 AO12	12 AO28	12 AGND						
13 AO13	13 AO29	13 AGND						
14 AO14	14 AO30	14 AGND						
15 AO15	15 AO31	15 AGND						
16 AO16	16 AO32	16 AGND						
17 +12 V	17 +12 V	17 AGND						
18 +12 V	18 +12 V	18 AGND						
19 -12 V	19 -12 V	19 AGND						
20 -12 V	20 -12 V	20 AGND						
21 +5 V	21 +5 V	21 AGND						
22 +5 V	22 +5 V	22 AGND						
23 -5 V	23 -5 V	23 AGND						
24 -5 V	24 -5 V	24 AGND						
25 AI1	25 AI9	25 AGND						
26 AI2	26 AI10	26 AGND						
27 AI3	27 AI11	27 AGND						
28 AI4	28 AI12	28 AGND						
29 AI5	29 AI13	29 AGND						
30 AI6	30 AI14	30 AGND						
31 AI7	31 AI15	31 AGND						
32 AI8	32 AI16	32 AGND						

DIGITAL CONNECTOR								
ROW A	ROW B	ROW C						
1 DI1	1 DO1	1 +3.3						
2 DI2	2 DO2	2 +3.3						
3 DI3	3 DO3	3 +3.3						
4 DI4	4 DO4	4 +3.3						
5 DI5	5 DO5	5 +3.3						
6 DI6	6 DO6	6 DGND						
7 DI7	7 DO7	7 DGND						
8 DI8	8 DO8	8 DGND						
9 DI9	9 DO9	9 DGND						
10 DI10	10 DO10	10 DGND						
11 DI11	11 DO11	11 DGND						
12 DI12	12 DO12	12 DGND						
13 DI13	13 DO13	13 DGND						
14 DI14	14 DO14	14 DGND						
15 DI15	15 DO15	15 DGND						
16 DI16	16 DO16	16 DGND						
17 DI17	17 DO17	17 DGND						
18 DI18	18 DO18	18 DGND						
19 DI19	19 DO19	19 DGND						
20 DI20	20 DO20	20 DGND						
21 DI21	21 DO21	21 DGND						
22 DI22	22 DO22	22 DGND						
23 DI23	23 DO23	23 DGND						
24 DI24	24 DO24	24 DGND						
25 DI25	25 DO25	25 DGND						
26 DI26	26 DO26	26 DGND						
27 DI27	27 DO27	27 DGND						
28 DI28	28 DO28	28 +5 VD						
29 DI29	29 DO29	29 +5 VD						
30 DI30	30 DO30	30 +5 VD						
31 DI31	31 DO31	31 +5 VD						
32 DI32	32 DO32	32 +5 VD						

* example for 6 series device

Thank you!

Your order made our
day, and we hope our
package returns the
same favor.



Your Typhoon HIL Service
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HIL Breakout Board

General purpose break-out board.

- ✓ Easy-to-reach measurement terminals.
- ✓ Snap-in connectivity.
- ✓ No additional tools required.
- ✓ Universal.

www.typhoon-hil.com