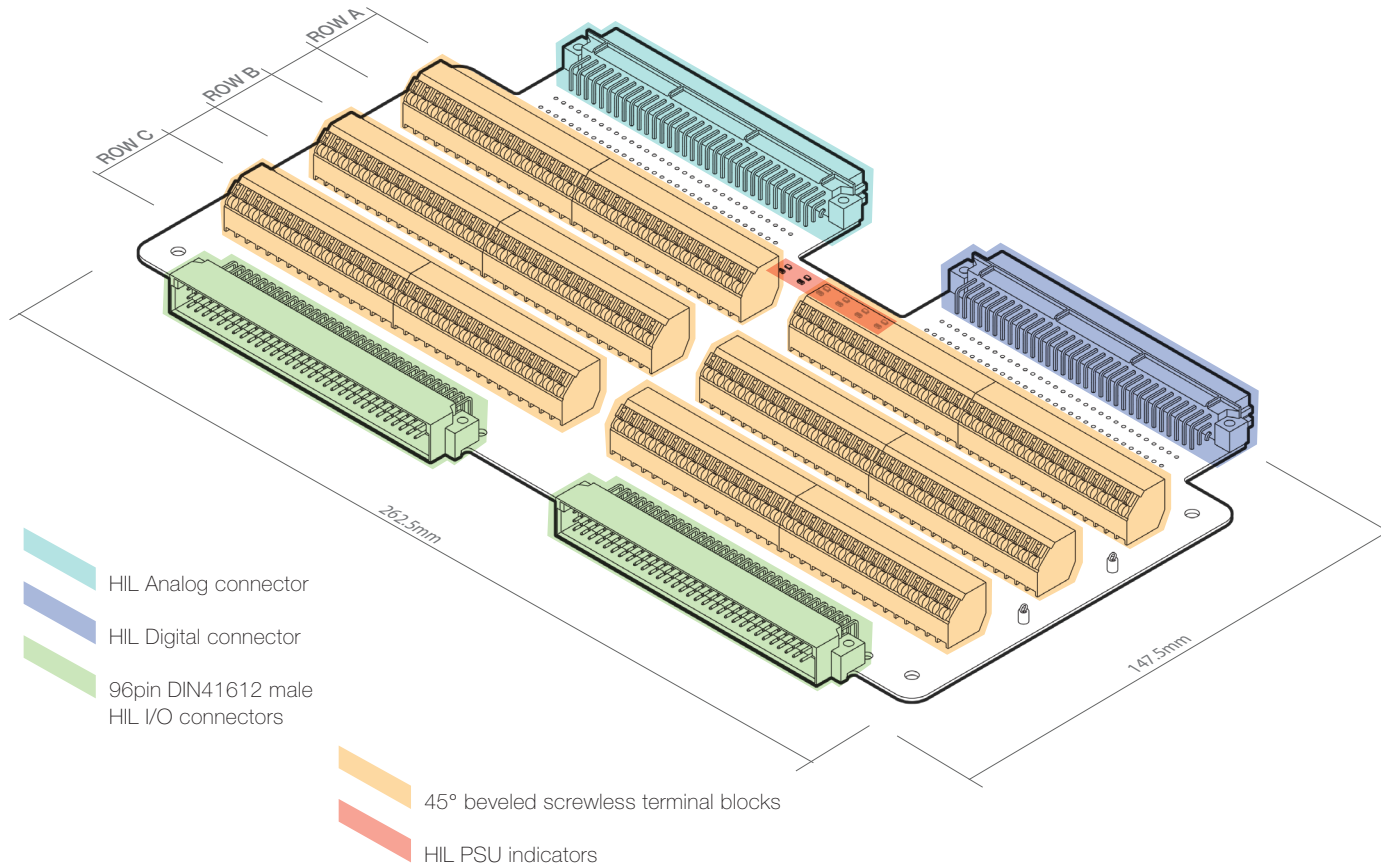


HIL Breakout Board 3.0

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 3.0. 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 VD
2 DI2	2 DO2	2 +3.3 VD
3 DI3	3 DO3	3 +3.3 VD
4 DI4	4 DO4	4 +3.3 VD
5 DI5	5 DO5	5 +3.3 VD
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



Typhoon HIL

Your Typhoon HIL Service
Tajfun HIL d.o.o.
Bajci Zilinskog BB
21000 Novi Sad
Serbia
+381 21 3021 383

repairs@typhoon-hil.com

HIL Breakout Board 3.0

General purpose break-out board.

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

www.typhoon-hil.com