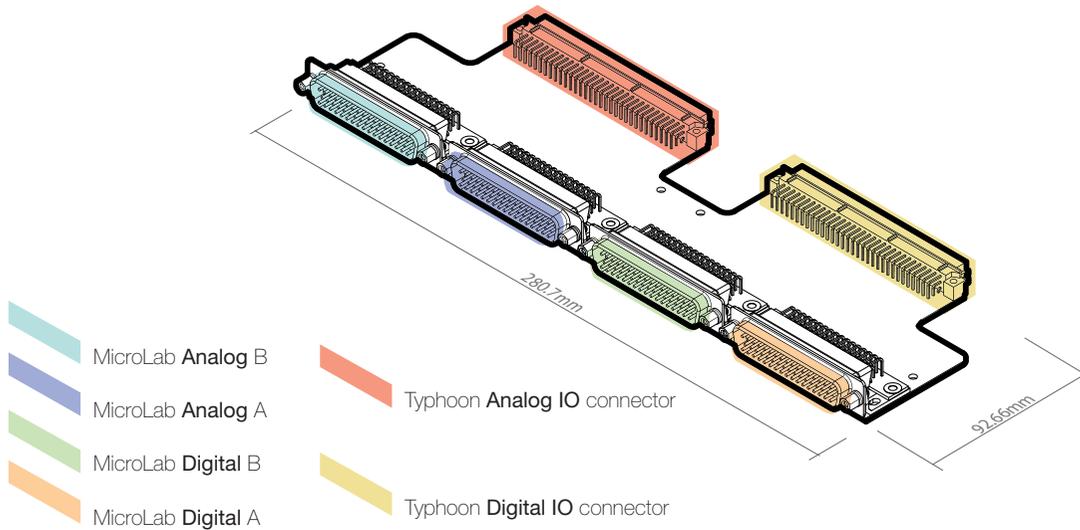




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# HIL dS Interface Type A

Plug-and-play interfaces for easy Rapid Control Prototyping



## Application

The HIL dS Interface Type-A provides a ready-to-go interface between all Typhoon HIL emulators (4-Series and 6-Series) and the dSPACE's MicroLabBox™, front panel variant.

With a dSPACE MicroLabBox™ as the control loop, and any supported HIL device as the plant, you have a complete test bench for a multitude of applications: automotive, drives, or power electronics.

## Features and Benefits

- Pinout 1-to-1 compatible with supported dSPACE™ hardware product

## Technical Details (short)

Designed for	dSPACE MicroLabBox™, front panel variant
Supported connectors	Analog A Analog B Digital A Digital B

## Pinout - tables

Connector Analog A

Pin	HIL signal	Pin	HIL signal	Pin	HIL signal
17	AO1	33	GND	50	GND
16	GND	32	AO3	49	AO2
15	AO4	31	GND	48	GND
14	GND	30	AO6	47	AO5
13	AO7	29	GND	46	GND
12	GND	28	AO9	45	AO8
11	AO10	27	GND	44	GND
10	GND	26	AO12	43	AO11
9	AO13	25	GND	42	GND
8	GND	24	AO15	41	AO14
7	AO16	23	GND	40	GND
6	GND	22	AO18	39	AO17
5	AO19	21	GND	38	GND
4	GND	20	AO21	37	AO20
3	AO22	19	GND	36	GND
2	GND	18	AO24	35	AO23
1	GND			34	GND

Connector Analog B

Pin	HIL signal	Pin	HIL signal	Pin	HIL signal
17	AO25	33	GND	50	GND
16	GND	32	AI2	49	AI1
15	AO26	31	GND	48	GND
14	GND	30	AI4	47	AI3
13	AO27	29	GND	46	GND
12	GND	28	AI6	45	AI5
11	AO28	27	GND	44	GND
10	GND	26	AI8	43	AI7
9	AO29	25	GND	42	GND
8	GND	24	AI10	41	AI9
7	AO30	23	GND	40	GND
6	GND	22	AI12	39	AI11
5	AO31	21	GND	38	GND
4	GND	20	AI14	37	AI13
3	AO32	19	GND	36	GND
2	GND	18	AI16	35	AI15
1	GND			34	GND

Connector Digital A

Pin	HIL signal	Pin	HIL signal	Pin	HIL signal
17	DI1	33	GND	50	GND
16	DI2	32	GND	49	DI17
15	DI3	31	GND	48	DI18
14	DI4	30	GND	47	DI19
13	DI5	29	GND	46	DI20
12	DI6	28	GND	45	DI21
11	DI7	27	GND	44	DI22
10	DI8	26	GND	43	DI23
9	DI9	25	GND	42	DI24
8	DI10	24	GND	41	DI25
7	DI11	23	GND	40	DI26
6	DI12	22	GND	39	DI27
5	DI13	21	GND	38	DI28
4	DI14	20	GND	37	DI29
3	DI15	19	GND	36	DI30
2	DI16	18	GND	35	DI31
1	GND			34	DI32

Connector Digital B

Pin	HIL signal	Pin	HIL signal	Pin	HIL signal
17	DO1	33	DO17H	50	GND
16	DO2	32	DO18H	49	DO17L
15	DO3	31	DO19H	48	DO18L
14	DO4	30	GND	47	DO19L
13	DO5	29	DO20H	46	GND
12	DO6	28	DO21H	45	DO20L
11	DO7	27	DO22H	44	DO21L
10	DO8	26	GND	43	DO22L
9	DO9	25	DO23H	42	GND
8	DO10	24	DO24H	41	DO23L
7	DO11	23	DO25H	40	DO24L
6	DO12	22	GND	39	DO25L
5	DO13	21	DO26H	38	GND
4	DO14	20	DO27H	37	DO26L
3	DO15	19	DO28H	36	DO27L
2	DO16	18	GND	35	DO28L
1	GND			34	GND



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



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## HIL dS Interface Type A

Interface for dSpace™ devices.

- ✓ No additional tools required.
- ✓ Plug and Play.

[www.typhoon-hil.com](http://www.typhoon-hil.com)