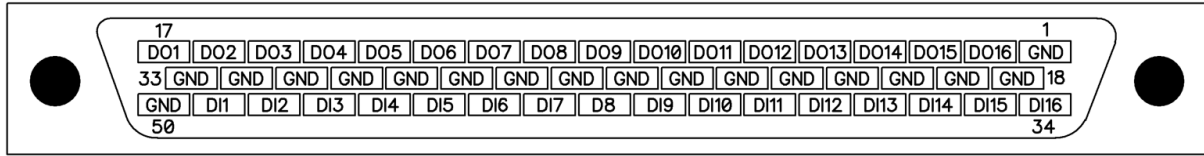
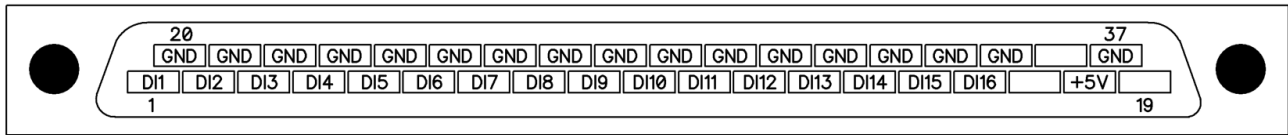


OP8666 Digital Input Connectors

DB50 | DIGITAL I/Os



DB37 | DIGITAL INPUTS



Note

Both **DB37** and **DB50** connectors have the **same electrical connection**; therefore **inputs can only be connected to either of them at the same time**.

But the corresponding pin of an input on a connector can be used for monitoring on the other connector.



Information

The **DB37** connector pin mapping directly matches the ones found on OPAL-RT's line of simulators and I/O expansion units.

Pin Name	Pin Number		Description	Alternate Usage	TMS320F28379D	
	DB50	DB37			Pin Name	Pin No.
DI1	49	1	Digital Input, 3.3V~5V	CAP1	GPIO24	K3
DI2	48	2	Digital Input, 3.3V~5V	CAP2	GPIO25	K2
DI3	47	3	Digital Input, 3.3V~5V	CAP3	GPIO26	K1
DI4	46	4	Digital Input, 3.3V~5V	CAP4	GPIO27	L1
DI5	45	5	Digital Input, 3.3V~5V	XINT4	GPIO44	K18
DI6	44	6	Digital Input, 3.3V~5V	XINT5	GPIO133	G18
DI7	43	7	Digital Input, 3.3V~5V	QEP3A	GPIO62	J17
DI8	42	8	Digital Input, 3.3V~5V	QEP3B	GPIO63	J16
DI9	41	9	Digital Input, 3.3V~5V	QEP2A	GPIO54	P18
DI10	40	10	Digital Input, 3.3V~5V	QEP2B	GPIO55	P19
DI11	39	11	Digital Input, 3.3V~5V	SD1-D1	GPIO48	R16
DI12	38	12	Digital Input, 3.3V~5V	SD1-C1	GPIO49	R17
DI13	37	13	Digital Input, 3.3V~5V	SD1-D2	GPIO50	R18
DI14	36	14	Digital Input, 3.3V~5V	SD1-C2	GPIO51	R19
DI15	35	15	Digital Input, 3.3V~5V	INXBAR5	GPIO32	U13
DI16	34	16	Digital Input, 3.3V~5V	INXBAR6	GPIO33	T13
GND	1, 18-33, 50	20-35	Logic Ground	-	-	-