

NOTE TO USERS

NI 66xx Pinout Label for the SCB-100


Counter/Timer TIO Series Modules/Devices Using the 100-Pin Shielded Desktop Connector Block

If you are using an NI 66xx (formerly referred to as TIO Series) counter/timer device or module with the SCB-100, you can print and attach a connector-specific pinout label to the cover of the connector block for easy connection reference. This document provides labels for the following models:

- NI 6624

Use the following label if you are connecting the SCB-100 to the NI 6624 models.

Figure 1. NI 6624



SCB-100 Quick Reference Label
COUNTER/TIMER NI 6624 (TIO) MODELS

*NC: No Connect

DIGITAL

1	PFI 39 +/CTR 0 SOURCE +
2	PFI 39 -/CTR 0 SOURCE -
3	PFI 38 +/CTR 0 GATE +
4	PFI 38 -/CTR 0 GATE -
5	PFI 37 +/CTR 0 AUX +
6	PFI 37 -/CTR 0 AUX -
7	PFI 36 Vdd/CTR 0 Vdd
8	PFI 36 Vss/CTR 0 Vss
9	PFI 36/CTR 0 OUT
10	PFI 36 Vss/CTR 0 Vss

DIGITAL

PFI 30 -/CTR 2 GATE -	24	NC	
PFI 29 -/CTR 2 AUX -	26	25	PFI 29 +/CTR 2 AUX +
PFI 28 Vss/CTR 2 Vss	28	27	PFI 28 Vdd/CTR 2 Vdd
PFI 28 Vss/CTR 2 Vss	30	29	PFI 28/CTR 2 OUT
PFI 27 -/CTR 3 SOURCE -	32	31	PFI 27 +/CTR 3 SOURCE +
PFI 26 -/CTR 3 GATE -	34	33	PFI 26 +/CTR 3 GATE +
PFI 25 -/CTR 3 AUX -	36	35	PFI 25 +/CTR 3 AUX +
PFI 24 Vss/CTR 3 Vss	38	37	PFI 24 Vdd/CTR 3 Vdd
PFI 24 Vss/CTR 3 Vss	40	39	PFI 24/CTR 3 OUT
PFI 0 -	42	41	PFI 0 +
NC	44	43	NC
NC	46	45	NC
NC	48	47	NC
NC	50	49	NC

DIRECT FEEDTHROUGH

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	S1	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	S2	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	S3	<input type="checkbox"/>	<input type="checkbox"/>
S6	S5	S4			

DIGITAL

11	PFI 35 +/CTR 1 SOURCE +
12	PFI 35 -/CTR 1 SOURCE -
13	PFI 34 +/CTR 1 GATE +
14	PFI 34 -/CTR 1 GATE -
15	PFI 33 +/CTR 1 AUX +
16	PFI 33 -/CTR 1 AUX -
17	PFI 32 Vdd/CTR 1 Vdd
18	PFI 32 Vss/CTR 1 Vss
19	PFI 32/CTR 1 OUT
20	PFI 32 Vss/CTR 1 Vss
21	PFI 31 +/CTR 2 SOURCE +
22	PFI 31 -/CTR 2 SOURCE -
23	PFI 30 +/CTR 2 GATE +

DIGITAL

51	PFI 23 +/CTR 4 SOURCE +
52	PFI 23 -/CTR 4 SOURCE -
53	PFI 22 +/CTR 4 GATE +
54	PFI 22 -/CTR 4 GATE -
55	PFI 21 +/CTR 4 AUX +
56	PFI 21 -/CTR 4 AUX -
57	PFI 20 Vdd/CTR 4 Vdd
58	PFI 20 Vss/CTR 4 Vss
59	PFI 20/CTR 4 OUT
60	PFI 20 Vss/CTR 4 Vss
61	PFI 19 +/CTR 5 SOURCE +
62	PFI 19 -/CTR 5 SOURCE -
63	PFI 18 +/CTR 5 GATE +
64	PFI 18 -/CTR 5 GATE -
65	PFI 17 +/CTR 5 AUX +
66	PFI 17 -/CTR 5 AUX -

DIGITAL

PFI 16 Vdd/CTR 5 Vdd	67
PFI 16 Vss/CTR 5 Vss	68
PFI 16/CTR 5 OUT	69
PFI 16 Vss/CTR 5 Vss	70
PFI 15 +/CTR 6 SOURCE +	71
PFI 15 -/CTR 6 SOURCE -	72
PFI 14 +/CTR 6 GATE +	73
PFI 14 -/CTR 6 GATE -	74
PFI 13 +/CTR 6 AUX +	75
PFI 13 -/CTR 6 AUX -	76
PFI 12 Vdd/CTR 6 Vdd	77
PFI 12 Vss/CTR 6 Vss	78
PFI 12/CTR 6 OUT	79
PFI 12 Vss/CTR 6 Vss	80
PFI 11 +/CTR 7 SOURCE +	81
PFI 11 -/CTR 7 SOURCE -	82

DIGITAL

PFI 10 +/CTR 7 GATE +	83
PFI 10 -/CTR 7 GATE -	84
PFI 9 +/CTR 7 AUX +	85
PFI 9 -/CTR 7 AUX -	86
PFI 8 Vdd/CTR 7 Vdd	87
PFI 8 Vss/CTR 7 Vss	88
PFI 8/CTR 7 OUT	89
PFI 8 Vss/CTR 7 Vss	90
PFI 4 +	91
PFI 4 -	92
NC	93
NC	94
NC	95
NC	96
NC	97
NC	98
NC	99
NC	100

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