AW185974-01-09_10_2004

SCB-68 Quick Reference Label

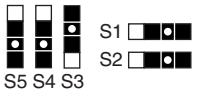
TIO DEVICES

NATIONAL INSTRUMENTS

If using a TIO device with an optional SCB-68 shielded connector block accessory, affix this label to the inside of the SCB-68 and set the switches as shown below.

P/N 185974B-01

SET SWITCHES AS FOLLOWS FOR TIO DEVICES.



Application Contexts:

Counter
As shown on label

Digital I/O
P0.<0..31> maps to PFI <0..31>

Motion Encoder (n= 0..7)
CTR n A maps to CTR n SOURCE
CTR n B maps to CTR n AUX
CTR n Z maps to CTR n GATE

Refer to the TIO Series Help for details.

PIN#	SIGNAL	PIN#	SIGNAL	PIN#	SIGNAL
68	**D GND**				
34	PFI 31/CTR 2 SOURCE				
67	PFI 30/CTR 2 GATE	12	PFI 3	1	**+5 V**
33	**D GND**	46	**D GND**	35	**R GND**
66	PFI 29/CTR 2 AUX	13	PFI 4	2	PFI 39/CTR 0 SOURCE
32	PFI 28/CTR 2 OUT	47	PFI 5	36	**D GND**
65	**D GND**	14	**D GND**	3	PFI 38/CTR 0 GATE
31	PFI 27/CTR 3 SOURCE	48	PFI 6	37	RESERVED
64	PFI 26/CTR 3 GATE	15	PFI 7	4	RESERVED
30	**D GND**	49	**D GND**	38	RESERVED
63	PFI 25/CTR 3 AUX	16	PFI 8/CTR 7 OUT	5	PFI 36/CTR 0 OUT
29	PFI 24/CTR 3 OUT	50	**D GND**	39	**D GND**
62	**D GND**	17	PFI 9/CTR 7 AUX	6	PFI 33/CTR 1 AUX
28	PFI 23/CTR 4 SOURCE	51	PFI 10/CTR 7 GATE	40	PFI 37/CTR 0 AUX
61	PFI 22/CTR 4 GATE	18	**D GND**	7	PFI 35/CTR 1 SOURCE
27	**D GND**	52	PFI 11/CTR 7 SOURCE	41	**D GND**
60	PFI 21/CTR 4 AUX	19	**R GND**	8	PFI 34/CTR 1 GATE
26	PFI 20/CTR 4 OUT	53	PFI 12/CTR 6 OUT	42	**D GND**
59	**D GND**	20	**D GND**	9	PFI 32/CTR 1 OUT
25	PFI 19/CTR 5 SOURCE	54	PFI 13/CTR 6 AUX	43	**R GND**
58	PFI 18/CTR 5 GATE	21	PFI 14/CTR 6 GATE	10	PFI 0
24	**D GND**	55	**D GND**	44	PFI 1
57	PFI 17/CTR 5 AUX	22	PFI 15/CTR 6 SOURCE	11	**D GND**
23	PFI 16/CTR 5 OUT	56	**R GND**	45	PFI 2

ACCEPTED

By: