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PCI-6070E

NOTE TO USERS

NI 60xx/60xxE Pinout Labels for the SCB-68

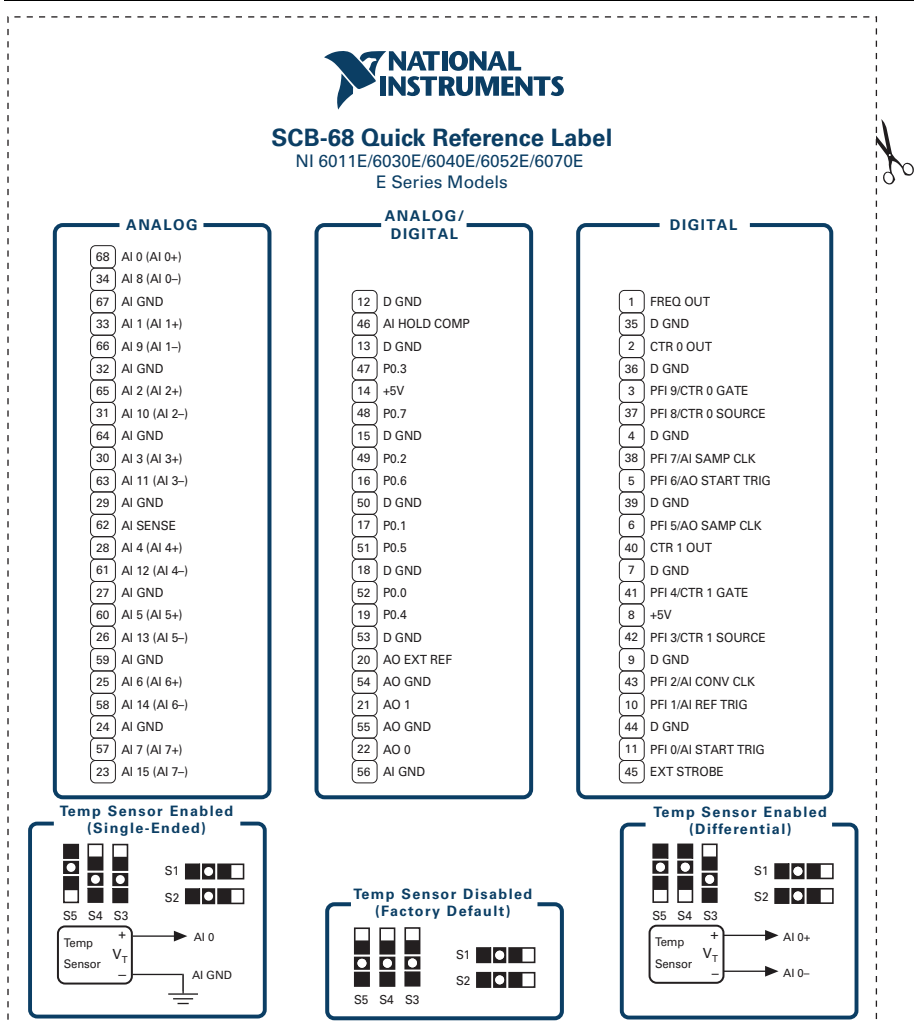
Multifunction I/O B Series and E Series Modules/Devices Using the 68-Pin Shielded Connector Block

If you are using an NI 60xx/60xxE (formerly referred to as B Series and E Series) multifunction I/O device or module with the SCB-68, 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 6011E
- NI 6013
- NI 6014
- NI 6020E
- NI 6023E
- NI 6024E
- NI 6030E
- NI 6032E
- NI 6034E
- NI 6035E
- NI 6036E
- NI 6040E
- NI 6052E
- NI 6070E
- PCI-MIO-16E-1 (PCI-6070E)
- PCI-MIO-16E-4 (PCI-6040E)
- PCI-MIO-16XE-10 (PCI-6030E)
- PCI-MIO-16XE-50 (PCI-6011E)

Use the following label if you are connecting the SCB-68 to the NI 6011E, NI 6030E, NI 6040E, NI 6052E, NI 6070E, PCI-MIO-16XE-50 (PCI-6011E), PCI-MIO-16XE-10 (PCI-6030E), PCI-MIO-16E-4 (PCI-6040E), and PCI-MIO-16E-1 (PCI-6070E) models.

Figure 1. NI 6011E/6030E/6040E/6052E/6070E



Use the following label if you are connecting the SCB-68 to the NI 6013, NI 6023E, NI 6032E, and NI 6034E models.

Figure 2. NI 6013/6023E/6032E/6034E



SCB-68 Quick Reference Label

NI 6013/6023E/6032E/6034E (B/E Series) Models

* NC: No Connect



ANALOG

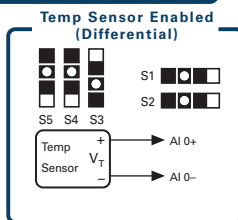
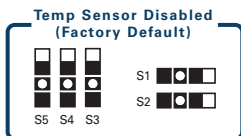
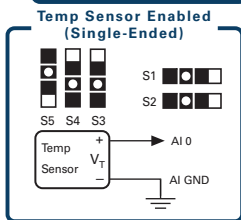
68	AI 0 (AI 0+)
34	AI 8 (AI 0-)
67	AI GND
33	AI 1 (AI 1+)
66	AI 9 (AI 1-)
32	AI GND
65	AI 2 (AI 2+)
31	AI 10 (AI 2-)
64	AI GND
30	AI 3 (AI 3+)
63	AI 11 (AI 3-)
29	AI GND
62	AI SENSE
28	AI 4 (AI 4+)
61	AI 12 (AI 4-)
27	AI GND
60	AI 5 (AI 5+)
26	AI 13 (AI 5-)
59	AI GND
25	AI 6 (AI 6+)
58	AI 14 (AI 6-)
24	AI GND
57	AI 7 (AI 7+)
23	AI 15 (AI 7-)

**ANALOG/
DIGITAL**

12	D GND
46	AI HOLD COMP
13	D GND
47	P0.3
14	+5V
48	P0.7
15	D GND
49	P0.2
16	P0.6
50	D GND
17	P0.1
51	P0.5
18	D GND
62	P0.0
19	P0.4
53	D GND
20	NC
54	NC
21	NC
55	NC
22	NC
56	AI GND

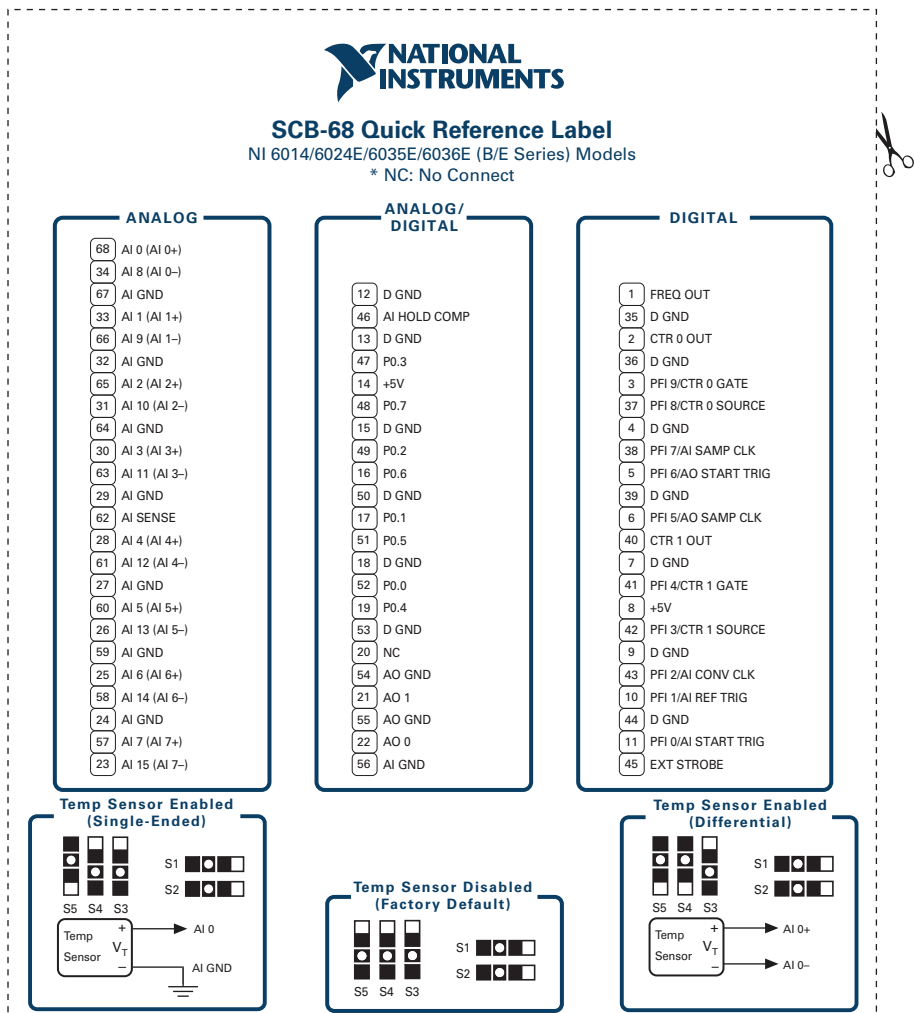
DIGITAL

1	FREQ OUT
35	D GND
2	CTR 0 OUT
36	D GND
3	PFI 9/CTR 0 GATE
37	PFI 8/CTR 0 SOURCE
4	D GND
38	PFI 7/AI SAMP CLK
5	PFI 6
39	D GND
6	PFI 5
40	CTR 1 OUT
7	D GND
41	PFI 4/CTR 1 GATE
8	+5V
42	PFI 3/CTR 1 SOURCE
9	D GND
43	PFI 2/AI CONV CLK
10	PFI 1/AI REF TRIG
44	D GND
11	PFI 0/AI START TRIG
45	EXT STROBE



Use the following label if you are connecting the SCB-68 to the NI 6014, NI 6024E, NI 6035E, and NI 6036E models.

Figure 3. NI 6014/6024E/6035E/6036E



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