SCB-68 Quick Reference Label

M SERIES DEVICES

CONNECTOR 0
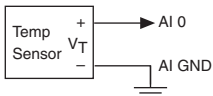
(AI 0-15)

NATIONAL INSTRUMENTS

P/N 192187A-01

S1
S2
S5 S4 S3

Temperature Sensor Disabled
(Factory Default Setting)

S1
S2
S5 S4 S3

Temperature Sensor Enabled
(Single-ended)

Temp Sensor   + V_T − → AI 0
                          AI GND

S1
S2
S5 S4 S3

Temperature Sensor Enabled
(Differential)

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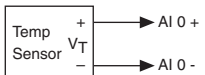
PIN #	SIGNAL
68	AI 0
34	AI 8
67	**AI GND**
33	AI 1
66	AI 9
32	**AI GND**
65	AI 2
31	AI 10
64	**AI GND**
30	AI 3
63	AI 11
29	**AI GND**
62	**AI SENSE**
28	AI 4
61	AI 12
27	**AI GND**
60	AI 5
26	AI 13
59	**AI GND**
25	AI 6
58	AI 14
24	**AI GND**
57	AI 7
23	AI 15

PIN #	SIGNAL
12	**D GND**
46	PFI 11/P2.3
13	**D GND**
47	P0.3
14	**+5 V**
48	P0.7
15	**D GND**
49	P0.2
16	P0.6
50	**D GND**
17	P0.1
51	P0.5
18	**D GND**
52	P0.0
19	P0.4
53	**D GND**
20	APFI 0
54	**AO GND**
21	AO 1
55	**AO GND**
22	AO 0
56	**AI GND**

PIN #	SIGNAL
1	PFI 14/P2.6
35	**D GND**
2	PFI 12/P2.4
36	**D GND**
3	PFI 9/P2.1
37	PFI 8/P2.0
4	**D GND**
38	PFI 7/P1.7
5	PFI 6/P1.6
39	PFI 15/P2.7
6	PFI 5/P1.5
40	PFI 13/P2.5
7	**D GND**
41	PFI 4/P1.4
8	**+5 V**
42	PFI 3/P1.3
9	**D GND**
43	PFI 2/P1.2
10	PFI 1/P1.1
44	**D GND**
11	PFI 0/P1.0
45	PFI 10/P2.2