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**SCXI-1130**

# INSTALLATION INSTRUCTIONS

# NI SCXI™-1377

## Terminal Block for the NI SCXI-1130

このドキュメントには、日本語ページも含まれています。

This guide describes how to install and connect signals to the National Instruments SCXI-1377 terminal block to configure the SCXI-1130 as a:

- 256x1, 1-wire multiplexer
- 128x1, 2-wire multiplexer
- 64x1, 4-wire multiplexer
- Multiplexer or matrix configuration using the Independent topology

Refer to the *NI Switches Getting Started Guide* to determine when to install the terminal block.

## Introduction

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The SCXI-1377 terminal block installs in front of the SCXI-1130 switch module. The SCXI-1377 uses spring terminals and screw terminals to connect signals to the switch. Screw terminals for the trigger input and trigger output signals are also available.

## Conventions

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The following conventions are used in this guide:

»

The » symbol leads you through nested menu items and dialog box options to a final action. The sequence **File»Page Setup»Options** directs you to pull down the **File** menu, select the **Page Setup** item, and select **Options** from the last dialog box.



This icon denotes a tip, which alerts you to advisory information.



This icon denotes a note, which alerts you to important information.



This icon denotes a caution, which advises you of precautions to take to avoid injury, data loss, or a system crash.

**bold**

Bold text denotes items that you must select or click in the software, such as menu items and dialog box options. Bold text also denotes parameter names and information on hardware labels.

*italic*

Italic text denotes variables, emphasis, a cross reference, or an introduction to a key concept. This font also denotes text that is a placeholder for a word or value that you must supply.

monospace

Text in this font denotes text or characters that you should enter from the keyboard, sections of code, programming examples, and syntax examples. This font is also used for the proper names of disk drives, paths, directories, programs, subprograms, subroutines, device names, functions, operations, variables, filenames and extensions, and code excerpts.

## 1. Unpack the Terminal Block

---

To avoid damage when you handle the terminal block, take the following precautions:



**Caution** *Never* touch the exposed pins of connectors.

- Ground yourself using a grounding strap or by touching a grounded object.
- Touch the antistatic package to a metal part of the chassis before you remove the terminal block from the package.

Remove the terminal block from the package and inspect the terminal block for loose components or any sign of damage. Notify NI if the terminal block appears damaged in any way. Do *not* install a damaged terminal block on a switch module.

Store the terminal block in the antistatic package when not in use.

## 2. Verify the Components

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Make sure you have the following:

- ☐ NI SCXI-1377 terminal block
- ☐ SCXI chassis

- ☐ NI SCXI-1130 switch module
- ☐ 1/8 inch flathead screwdriver
- ☐ Phillips screwdriver
- ☐ Wire cutter
- ☐ Wire insulation stripper



**Tip** NI recommends using 28 AWG wire (ribbon or discrete) for use with the NI SCXI-1377 terminal block.

### 3. Connect Signals

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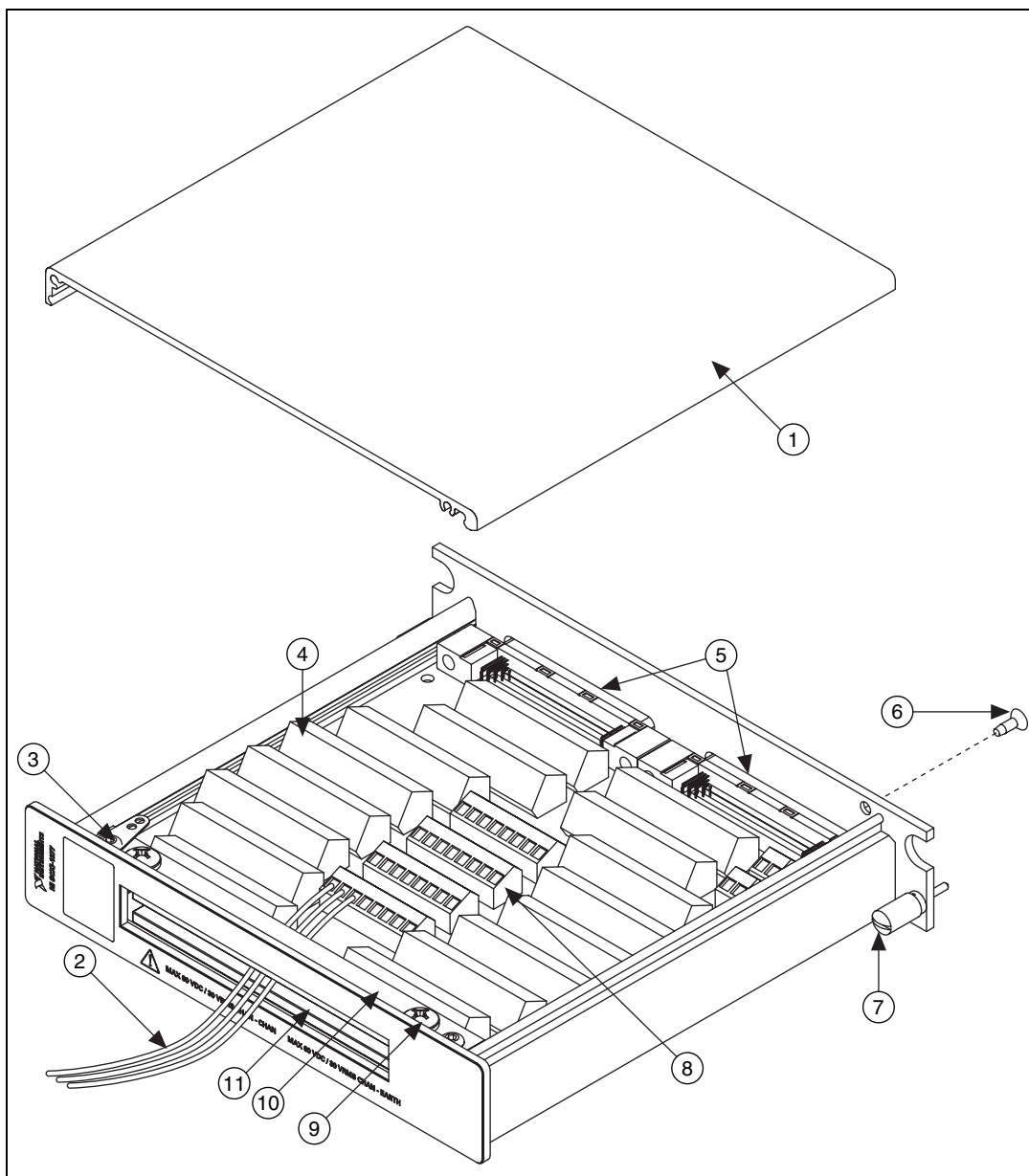
To connect signals to the terminal block, refer to Figures 1 and 2 while completing the following steps:

1. Prepare the signal wire by stripping the insulation no more than 7 mm.
2. Remove the top cover screw.
3. Unsnap and remove the top cover.
4. Loosen the two strain-relief screws on the strain-relief assembly and remove the top strain-relief bar.
5. Run the signal wires through the strain-relief opening.
6. Open each terminal by pressing the spring pad with a flathead screwdriver. Insert the stripped end of the wire fully into the terminal. Release the spring pad to secure the wire. No bare wire should extend past the spring terminal. Exposed wire increases the risk of a short-circuit causing a failure.



**Note** When connecting signals to the NI SCXI-1377, refer to Tables 1, 2, and 3 to determine where to connect signals for the chosen topology.

7. Replace the strain-relief bar and tighten the two screws on the strain-relief assembly to secure the cables.
8. Reinstall the top cover.
9. Replace the top cover screw.



- |                            |                          |
|----------------------------|--------------------------|
| 1 Terminal Block Top Cover | 7 Thumbscrew             |
| 2 Signal Wires             | 8 Screw Terminals        |
| 3 Safety Ground Lug        | 9 10-32 × 3/4-Inch Screw |
| 4 Spring Terminals         | 10 Strain-Relief Bar     |
| 5 Rear Connector           | 11 Strain-Relief Opening |
| 6 Top Cover Screw          |                          |

**Figure 1.** SCXI-1377 Terminal Block

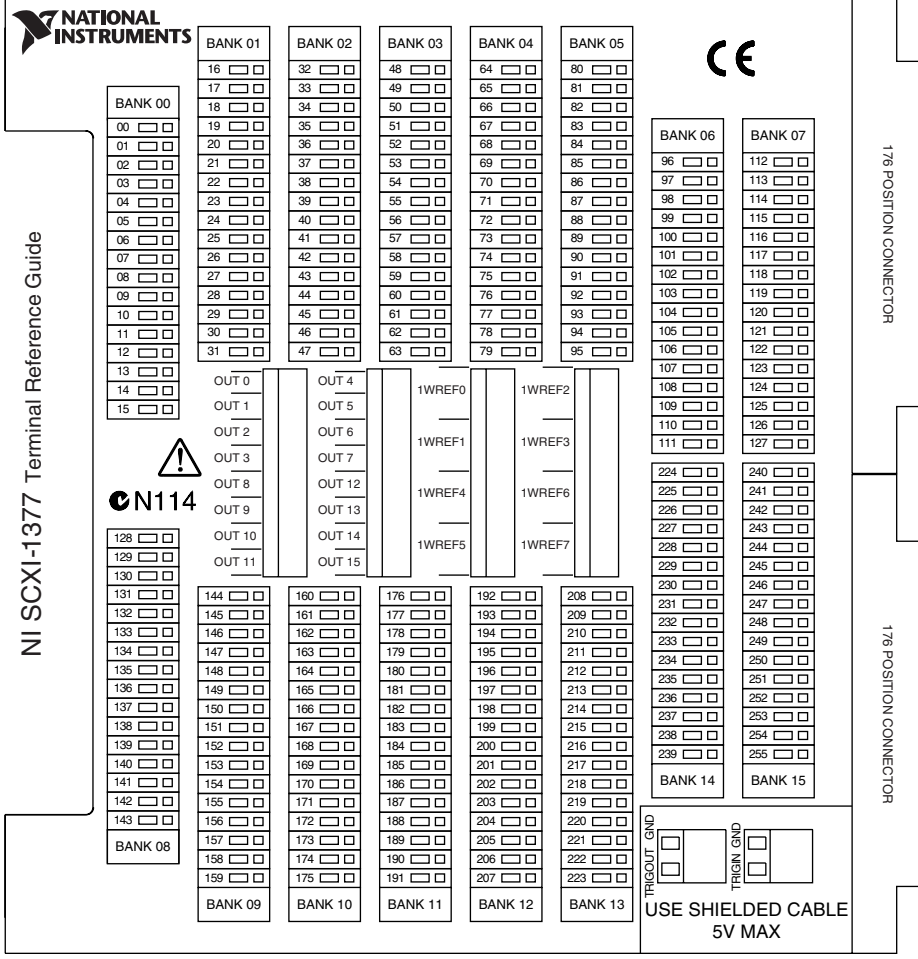


Figure 2. SCXI-1377 Terminal Block Signal Connections

**Table 1.** 256x1, 1-Wire Multiplexer Topology Mapping

| Software | Hardware | Software | Hardware | Software | Hardware | Software | Hardware |
|----------|----------|----------|----------|----------|----------|----------|----------|
| com0     | OUT 0    | ch64     | CH 64    | ch128    | CH 128   | ch192    | CH 192   |
| ch0      | CH 00    | ch65     | CH 65    | ch129    | CH 129   | ch193    | CH 193   |
| ch1      | CH 01    | ch66     | CH 66    | ch130    | CH 130   | ch194    | CH 194   |
| ch2      | CH 02    | ch67     | CH 67    | ch131    | CH 131   | ch195    | CH 195   |
| ch3      | CH 03    | ch68     | CH 68    | ch132    | CH 132   | ch196    | CH 196   |
| ch4      | CH 04    | ch69     | CH 69    | ch133    | CH 133   | ch197    | CH 197   |
| ch5      | CH 05    | ch70     | CH 70    | ch134    | CH 134   | ch198    | CH 198   |
| ch6      | CH 06    | ch71     | CH 71    | ch135    | CH 135   | ch199    | CH 199   |
| ch7      | CH 07    | ch72     | CH 72    | ch136    | CH 136   | ch200    | CH 200   |
| ch8      | CH 08    | ch73     | CH 73    | ch137    | CH 137   | ch201    | CH 201   |
| ch9      | CH 09    | ch74     | CH 74    | ch138    | CH 138   | ch202    | CH 202   |
| ch10     | CH 10    | ch75     | CH 75    | ch139    | CH 139   | ch203    | CH 203   |
| ch11     | CH 11    | ch76     | CH 76    | ch140    | CH 140   | ch204    | CH 204   |
| ch12     | CH 12    | ch77     | CH 77    | ch141    | CH 141   | ch205    | CH 205   |
| ch13     | CH 13    | ch78     | CH 78    | ch142    | CH 142   | ch206    | CH 206   |
| ch14     | CH 14    | ch79     | CH 79    | ch143    | CH 143   | ch207    | CH 207   |
| ch15     | CH 15    | ch80     | CH 80    | ch144    | CH 144   | ch208    | CH 208   |
| ch16     | CH 16    | ch81     | CH 81    | ch145    | CH 145   | ch209    | CH 209   |
| ch17     | CH 17    | ch82     | CH 82    | ch146    | CH 146   | ch210    | CH 210   |
| ch18     | CH 18    | ch83     | CH 83    | ch147    | CH 147   | ch211    | CH 211   |
| ch19     | CH 19    | ch84     | CH 84    | ch148    | CH 148   | ch212    | CH 212   |
| ch20     | CH 20    | ch85     | CH 85    | ch149    | CH 149   | ch213    | CH 213   |
| ch21     | CH 21    | ch86     | CH 86    | ch150    | CH 150   | ch214    | CH 214   |
| ch22     | CH 22    | ch87     | CH 87    | ch151    | CH 151   | ch215    | CH 215   |
| ch23     | CH 23    | ch88     | CH 88    | ch152    | CH 152   | ch216    | CH 216   |
| ch24     | CH 24    | ch89     | CH 89    | ch153    | CH 153   | ch217    | CH 217   |
| ch25     | CH 25    | ch90     | CH 90    | ch154    | CH 154   | ch218    | CH 218   |
| ch26     | CH 26    | ch91     | CH 91    | ch155    | CH 155   | ch219    | CH 219   |
| ch27     | CH 27    | ch92     | CH 92    | ch156    | CH 156   | ch220    | CH 220   |
| ch28     | CH 28    | ch93     | CH 93    | ch157    | CH 157   | ch221    | CH 221   |
| ch29     | CH 29    | ch94     | CH 94    | ch158    | CH 158   | ch222    | CH 222   |

**Table 1.** 256x1, 1-Wire Multiplexer Topology Mapping (Continued)

| Software | Hardware | Software | Hardware | Software | Hardware | Software | Hardware |
|----------|----------|----------|----------|----------|----------|----------|----------|
| ch30     | CH 30    | ch95     | CH 95    | ch159    | CH 159   | ch223    | CH 223   |
| ch31     | CH 31    | ch96     | CH 96    | ch160    | CH 160   | ch224    | CH 224   |
| ch32     | CH 32    | ch97     | CH 97    | ch161    | CH 161   | ch225    | CH 225   |
| ch33     | CH 33    | ch98     | CH 98    | ch162    | CH 162   | ch226    | CH 226   |
| ch34     | CH 34    | ch99     | CH 99    | ch163    | CH 163   | ch227    | CH 227   |
| ch35     | CH 35    | ch100    | CH 100   | ch164    | CH 164   | ch228    | CH 228   |
| ch36     | CH 36    | ch101    | CH 101   | ch165    | CH 165   | ch229    | CH 229   |
| ch37     | CH 37    | ch102    | CH 102   | ch166    | CH 166   | ch230    | CH 230   |
| ch38     | CH 38    | ch103    | CH 103   | ch167    | CH 167   | ch231    | CH 231   |
| ch39     | CH 39    | ch104    | CH 104   | ch168    | CH 168   | ch232    | CH 232   |
| ch40     | CH 40    | ch105    | CH 105   | ch169    | CH 169   | ch233    | CH 233   |
| ch41     | CH 41    | ch106    | CH 106   | ch170    | CH 170   | ch234    | CH 234   |
| ch42     | CH 42    | ch107    | CH 107   | ch171    | CH 171   | ch235    | CH 235   |
| ch43     | CH 43    | ch108    | CH 108   | ch172    | CH 172   | ch236    | CH 236   |
| ch44     | CH 44    | ch109    | CH 109   | ch173    | CH 173   | ch237    | CH 237   |
| ch45     | CH 45    | ch110    | CH 110   | ch174    | CH 174   | ch238    | CH 238   |
| ch46     | CH 46    | ch111    | CH 111   | ch175    | CH 175   | ch239    | CH 239   |
| ch47     | CH 47    | ch112    | CH 112   | ch176    | CH 176   | ch240    | CH 240   |
| ch48     | CH 48    | ch113    | CH 113   | ch177    | CH 177   | ch241    | CH 241   |
| ch49     | CH 49    | ch114    | CH 114   | ch178    | CH 178   | ch242    | CH 242   |
| ch50     | CH 50    | ch115    | CH 115   | ch179    | CH 179   | ch243    | CH 243   |
| ch51     | CH 51    | ch116    | CH 116   | ch180    | CH 180   | ch244    | CH 244   |
| ch52     | CH 52    | ch117    | CH 117   | ch181    | CH 181   | ch245    | CH 245   |
| ch53     | CH 53    | ch118    | CH 118   | ch182    | CH 182   | ch246    | CH 246   |
| ch54     | CH 54    | ch119    | CH 119   | ch183    | CH 183   | ch247    | CH 247   |
| ch55     | CH 55    | ch120    | CH 120   | ch184    | CH 184   | ch248    | CH 248   |
| ch56     | CH 56    | ch121    | CH 121   | ch185    | CH 185   | ch249    | CH 249   |
| ch57     | CH 57    | ch122    | CH 122   | ch186    | CH 186   | ch250    | CH 250   |
| ch58     | CH 58    | ch123    | CH 123   | ch187    | CH 187   | ch251    | CH 251   |
| ch59     | CH 59    | ch124    | CH 124   | ch188    | CH 188   | ch252    | CH 252   |
| ch60     | CH 60    | ch125    | CH 125   | ch189    | CH 189   | ch253    | CH 253   |



**Table 1.** 256x1, 1-Wire Multiplexer Topology Mapping (Continued)

| Software | Hardware | Software | Hardware | Software | Hardware | Software | Hardware |
|----------|----------|----------|----------|----------|----------|----------|----------|
| ch61     | CH 61    | ch126    | CH 126   | ch190    | CH 190   | ch254    | CH 254   |
| ch62     | CH 62    | ch127    | CH 127   | ch191    | CH 191   | ch255    | CH 255   |
| ch63     | CH 63    |          |          |          |          |          |          |

**Table 2.** 128x1, 2-Wire Multiplexer Topology Mapping

| Software | Hardware |       | Software | Hardware |        | Software | Hardware |        |
|----------|----------|-------|----------|----------|--------|----------|----------|--------|
|          | +        | –     |          | +        | –      |          | +        | –      |
| com0     | OUT 0    | OUT 1 | ch42     | CH 74    | CH 90  | ch85     | CH 165   | CH 181 |
| ch0      | CH 00    | CH 16 | ch43     | CH 75    | CH 91  | ch86     | CH 166   | CH 182 |
| ch1      | CH 01    | CH 17 | ch44     | CH 76    | CH 92  | ch87     | CH 167   | CH 183 |
| ch2      | CH 02    | CH 18 | ch45     | CH 77    | CH 93  | ch88     | CH 168   | CH 184 |
| ch3      | CH 03    | CH 19 | ch46     | CH 78    | CH 94  | ch89     | CH 169   | CH 185 |
| ch4      | CH 04    | CH 20 | ch47     | CH 79    | CH 95  | ch90     | CH 170   | CH 186 |
| ch5      | CH 05    | CH 21 | ch48     | CH 96    | CH 112 | ch91     | CH 171   | CH 187 |
| ch6      | CH 06    | CH 22 | ch49     | CH 97    | CH 113 | ch92     | CH 172   | CH 188 |
| ch7      | CH 07    | CH 23 | ch50     | CH 98    | CH 114 | ch93     | CH 173   | CH 189 |
| ch8      | CH 08    | CH 24 | ch51     | CH 99    | CH 115 | ch94     | CH 174   | CH 190 |
| ch9      | CH 09    | CH 25 | ch52     | CH 100   | CH 116 | ch95     | CH 175   | CH 191 |
| ch10     | CH 10    | CH 26 | ch53     | CH 101   | CH 117 | ch96     | CH 192   | CH 208 |
| ch11     | CH 11    | CH 27 | ch54     | CH 102   | CH 118 | ch97     | CH 193   | CH 209 |
| ch12     | CH 12    | CH 28 | ch55     | CH 103   | CH 119 | ch98     | CH 194   | CH 210 |
| ch13     | CH 13    | CH 29 | ch56     | CH 104   | CH 120 | ch99     | CH 195   | CH 211 |
| ch14     | CH 14    | CH 30 | ch57     | CH 105   | CH 121 | ch100    | CH 196   | CH 212 |
| ch15     | CH 15    | CH 31 | ch58     | CH 106   | CH 122 | ch101    | CH 197   | CH 213 |
| ch16     | CH 32    | CH 48 | ch59     | CH 107   | CH 123 | ch102    | CH 198   | CH 214 |
| ch17     | CH 33    | CH 49 | ch60     | CH 108   | CH 124 | ch103    | CH 199   | CH 215 |
| ch18     | CH 34    | CH 50 | ch61     | CH 109   | CH 125 | ch104    | CH 200   | CH 216 |
| ch19     | CH 35    | CH 51 | ch62     | CH 110   | CH 126 | ch105    | CH 201   | CH 217 |
| ch20     | CH 36    | CH 52 | ch63     | CH 111   | CH 127 | ch106    | CH 202   | CH 218 |
| ch21     | CH 37    | CH 53 | ch64     | CH 128   | CH 144 | ch107    | CH 203   | CH 219 |
| ch22     | CH 38    | CH 54 | ch65     | CH 129   | CH 145 | ch108    | CH 204   | CH 220 |
| ch23     | CH 39    | CH 55 | ch66     | CH 130   | CH 146 | ch109    | CH 205   | CH 221 |

**Table 2.** 128x1, 2-Wire Multiplexer Topology Mapping (Continued)

| Software | Hardware |       |
|----------|----------|-------|
|          | +        | –     |
| ch24     | CH 40    | CH 56 |
| ch25     | CH 41    | CH 57 |
| ch26     | CH 42    | CH 58 |
| ch27     | CH 43    | CH 59 |
| ch28     | CH 44    | CH 60 |
| ch29     | CH 45    | CH 61 |
| ch30     | CH 46    | CH 62 |
| ch31     | CH 47    | CH 63 |
| ch32     | CH 64    | CH 80 |
| ch33     | CH 65    | CH 81 |
| ch34     | CH 66    | CH 82 |
| ch35     | CH 67    | CH 83 |
| ch36     | CH 68    | CH 84 |
| ch37     | CH 69    | CH 85 |
| ch38     | CH 70    | CH 86 |
| ch39     | CH 71    | CH 87 |
| ch40     | CH 72    | CH 88 |
| ch41     | CH 73    | CH 89 |

| Software | Hardware |        |
|----------|----------|--------|
|          | +        | –      |
| ch67     | CH 131   | CH 147 |
| ch68     | CH 132   | CH 148 |
| ch69     | CH 133   | CH 149 |
| ch70     | CH 134   | CH 150 |
| ch71     | CH 135   | CH 151 |
| ch72     | CH 136   | CH 152 |
| ch73     | CH 137   | CH 153 |
| ch74     | CH 138   | CH 154 |
| ch75     | CH 139   | CH 155 |
| ch76     | CH 140   | CH 156 |
| ch77     | CH 141   | CH 157 |
| ch78     | CH 142   | CH 158 |
| ch79     | CH 143   | CH 159 |
| ch80     | CH 160   | CH 176 |
| ch81     | CH 161   | CH 177 |
| ch82     | CH 162   | CH 178 |
| ch83     | CH 163   | CH 179 |
| ch84     | CH 164   | CH 180 |

| Software | Hardware |        |
|----------|----------|--------|
|          | +        | –      |
| ch110    | CH 206   | CH 222 |
| ch111    | CH 207   | CH 223 |
| ch112    | CH 224   | CH 240 |
| ch113    | CH 225   | CH 241 |
| ch114    | CH 226   | CH 242 |
| ch115    | CH 227   | CH 243 |
| ch116    | CH 228   | CH 244 |
| ch117    | CH 229   | CH 245 |
| ch118    | CH 230   | CH 246 |
| ch119    | CH 231   | CH 247 |
| ch120    | CH 232   | CH 248 |
| ch121    | CH 233   | CH 249 |
| ch122    | CH 234   | CH 250 |
| ch123    | CH 235   | CH 251 |
| ch124    | CH 236   | CH 252 |
| ch125    | CH 237   | CH 253 |
| ch126    | CH 238   | CH 254 |
| ch127    | CH 239   | CH 255 |

**Table 3.** 64x1, 4-Wire Multiplexer Topology Mapping

| Software | Hardware |       |       |       |
|----------|----------|-------|-------|-------|
|          | A+       | A–    | B+    | B–    |
| com0     | OUT 0    | OUT 1 | OUT 4 | OUT 5 |
| ch0      | CH 00    | CH 16 | CH 64 | CH 80 |
| ch1      | CH 01    | CH 17 | CH 65 | CH 81 |
| ch2      | CH 02    | CH 18 | CH 66 | CH 82 |
| ch3      | CH 03    | CH 19 | CH 67 | CH 83 |
| ch4      | CH 04    | CH 20 | CH 68 | CH 84 |
| ch5      | CH 05    | CH 21 | CH 69 | CH 85 |
| ch6      | CH 06    | CH 22 | CH 70 | CH 86 |

| Software | Hardware |        |        |        |
|----------|----------|--------|--------|--------|
|          | A+       | A–     | B+     | B–     |
| ch32     | CH 128   | CH 144 | CH 192 | CH 208 |
| ch33     | CH 129   | CH 145 | CH 193 | CH 209 |
| ch34     | CH 130   | CH 146 | CH 194 | CH 210 |
| ch35     | CH 131   | CH 147 | CH 195 | CH 211 |
| ch36     | CH 132   | CH 148 | CH 196 | CH 212 |
| ch37     | CH 133   | CH 149 | CH 197 | CH 213 |
| ch38     | CH 134   | CH 150 | CH 198 | CH 214 |
| ch39     | CH 135   | CH 151 | CH 199 | CH 215 |

**Table 3.** 64x1, 4-Wire Multiplexer Topology Mapping (Continued)

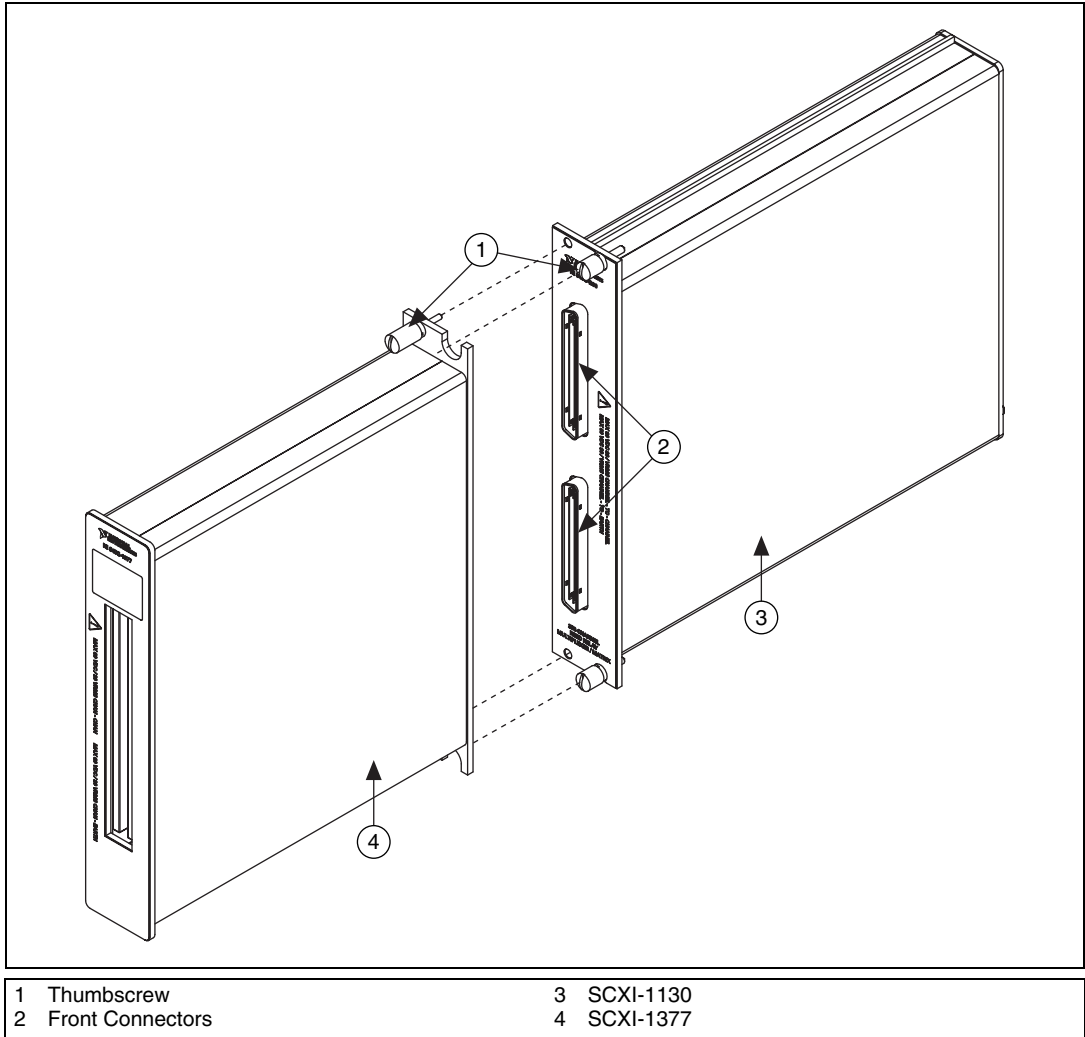
| Software | Hardware |       |        |        |
|----------|----------|-------|--------|--------|
|          | A+       | A–    | B+     | B–     |
| ch7      | CH 07    | CH 23 | CH 71  | CH 87  |
| ch8      | CH 08    | CH 24 | CH 72  | CH 88  |
| ch9      | CH 09    | CH 25 | CH 73  | CH 89  |
| ch10     | CH 10    | CH 26 | CH 74  | CH 90  |
| ch11     | CH 11    | CH 27 | CH 75  | CH 91  |
| ch12     | CH 12    | CH 28 | CH 76  | CH 92  |
| ch13     | CH 13    | CH 29 | CH 77  | CH 93  |
| ch14     | CH 14    | CH 30 | CH 78  | CH 94  |
| ch15     | CH 15    | CH 31 | CH 79  | CH 95  |
| ch16     | CH 32    | CH 48 | CH 96  | CH 112 |
| ch17     | CH 33    | CH 49 | CH 97  | CH 113 |
| ch18     | CH 34    | CH 50 | CH 98  | CH 114 |
| ch19     | CH 35    | CH 51 | CH 99  | CH 115 |
| ch20     | CH 36    | CH 52 | CH 100 | CH 116 |
| ch21     | CH 37    | CH 53 | CH 101 | CH 117 |
| ch22     | CH 38    | CH 54 | CH 102 | CH 118 |
| ch23     | CH 39    | CH 55 | CH 103 | CH 119 |
| ch24     | CH 40    | CH 56 | CH 104 | CH 120 |
| ch25     | CH 41    | CH 57 | CH 105 | CH 121 |
| ch26     | CH 42    | CH 58 | CH 106 | CH 122 |
| ch27     | CH 43    | CH 59 | CH 107 | CH 123 |
| ch28     | CH 44    | CH 60 | CH 108 | CH 124 |
| ch29     | CH 45    | CH 61 | CH 109 | CH 125 |
| ch30     | CH 46    | CH 62 | CH 110 | CH 126 |
| ch31     | CH 47    | CH 63 | CH 111 | CH 127 |

| Software | Hardware |        |        |        |
|----------|----------|--------|--------|--------|
|          | A+       | A–     | B+     | B–     |
| ch40     | CH 136   | CH 152 | CH 200 | CH 216 |
| ch41     | CH 137   | CH 153 | CH 201 | CH 217 |
| ch42     | CH 138   | CH 154 | CH 202 | CH 218 |
| ch43     | CH 139   | CH 155 | CH 203 | CH 219 |
| ch44     | CH 140   | CH 156 | CH 204 | CH 220 |
| ch45     | CH 141   | CH 157 | CH 205 | CH 221 |
| ch46     | CH 142   | CH 158 | CH 206 | CH 222 |
| ch47     | CH 143   | CH 159 | CH 207 | CH 223 |
| ch48     | CH 160   | CH 176 | CH 224 | CH 240 |
| ch49     | CH 161   | CH 177 | CH 225 | CH 241 |
| ch50     | CH 162   | CH 178 | CH 226 | CH 242 |
| ch51     | CH 163   | CH 179 | CH 227 | CH 243 |
| ch52     | CH 164   | CH 180 | CH 228 | CH 244 |
| ch53     | CH 165   | CH 181 | CH 229 | CH 245 |
| ch54     | CH 166   | CH 182 | CH 230 | CH 246 |
| ch55     | CH 167   | CH 183 | CH 231 | CH 247 |
| ch56     | CH 168   | CH 184 | CH 232 | CH 248 |
| ch57     | CH 169   | CH 185 | CH 233 | CH 249 |
| ch58     | CH 170   | CH 186 | CH 234 | CH 250 |
| ch59     | CH 171   | CH 187 | CH 235 | CH 251 |
| ch60     | CH 172   | CH 188 | CH 236 | CH 252 |
| ch61     | CH 173   | CH 189 | CH 237 | CH 253 |
| ch62     | CH 174   | CH 190 | CH 238 | CH 254 |
| ch63     | CH 175   | CH 191 | CH 239 | CH 255 |

## 4. Install the Terminal Block

To connect the SCXI-1377 terminal block to the SCXI-1130 front panel, refer to Figure 3 and complete the following steps (the SCXI-1130 should already be installed in an SCXI chassis):

1. Plug the SCXI-1377 onto the front connectors of the SCXI-1130.
2. Tighten the top and bottom thumbscrews on the back of the terminal block rear panel to hold it securely in place.



**Figure 3.** Installing the SCXI-1377 Terminal Block

# Compliance and Certifications

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## Safety

This product is designed to meet the requirements of the following standards of safety for electrical equipment for measurement, control, and laboratory use:

- IEC 61010-1, EN 61010-1
- UL 3111-1, UL 61010B-1
- CAN/CSA C22.2 No. 1010.1



**Note** For UL and other safety certifications, refer to the product label, or visit [ni.com/certification](http://ni.com/certification), search by model number or product line, and click the appropriate link in the Certification column.

## Electromagnetic Compatibility

|                 |                                                      |
|-----------------|------------------------------------------------------|
| Emissions ..... | EN 55011 Class A at 10 m<br>FCC Part 15A above 1 GHz |
| Immunity .....  | EN 61326:1997 + A2:2001,<br>Table 1                  |
| EMC/EMI .....   | CE, C-Tick, and FCC Part 15<br>(Class A) Compliant   |



**Note** For EMC compliance, you *must* operate this device with shielded cabling.

## CE Compliance

This product meets the essential requirements of applicable European Directives, as amended for CE marking, as follows:

|                                                        |            |
|--------------------------------------------------------|------------|
| Low-Voltage Directive (safety) .....                   | 73/23/EEC  |
| Electromagnetic Compatibility<br>Directive (EMC) ..... | 89/336/EEC |



**Note** Refer to the Declaration of Conformity (DoC) for this product for any additional regulatory compliance information. To obtain the DoC for this product, visit [ni.com/certification](http://ni.com/certification), search by model number or product line, and click the appropriate link in the Certification column.