INSTALLATION INSTRUCTIONS NI TB-2648/2649/2650/2651

Terminal Blocks for the NI PXI/PXIe-2531

このドキュメントには、日本語ページも含まれています。

Introduction

The NI TB-2648/2649/2650/2651 terminal blocks configure your NI PXI/PXIe-2531 (NI 2531) in one of the following topologies.

Table 1. NI 2531 Configurations Created with the NI TB-2648/2649/2650/2651

| NI Terminal Block | NI 2531Configured Topologies |
|-------------------|------------------------------|
| NI TB-2648 | 1-wire 4 × 128 matrix |
| NI TB-2649 | 1-wire dual 4 × 64 matrix |
| NI TB-2650 | 1-wire 8 × 64 matrix |
| NI TB-2651 | 1-wire dual 8 × 32 matrix |

Refer to the NI PXI/PXIe-2531 Specifications for terminal block specifications when used with the NI PXI/PXIe-2531.

Make sure you have the following:

- NI TB-2648/2649/2650/2651 terminal block
- #1 Phillips screwdriver



Caution Refer to the *Read Me First: Safety and Electromagnetic Compatibility* document at ni.com/manuals for important safety and compliance information.



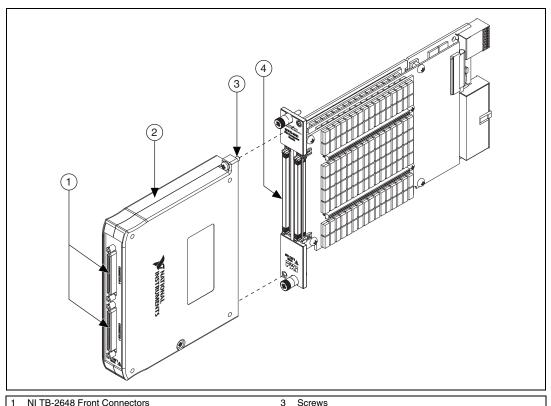
Note Refer to the *Accessories* section for accessories to connect signals from your terminal block to your system.



Install the Terminal Block

To connect your terminal block to the NI 2531 switch module, refer to Figure 1 and complete the following steps:

- Connect the NI 2531 front connector to its mating connector on the terminal block. 1.
- 2. Tighten the top and bottom screws on the back of the terminal block rear panel to hold it securely in place.



NI TB-2648 Front Connectors

NI TB-2648

NI 2531 Front Connectors

Figure 1. Installing the NI TB-2648/2649/2650/2651 Terminal Block

Connecting Signals



Note Refer to the Accessories section for recommended NI accessories for connecting signals to vour terminal block.

To connect signals to the terminal block, refer to Figures 2 through 5 for the pinout of your terminal block and complete the following steps:

- Connect a compatible cable to the terminal block.
- 2. Connect the cable to your device under test, either directly or via a connector block such as the NI TBX-68.

| 1 | Top Connector | | | Bottom Connector | | | | |
|-----|---------------|-----|------|------------------|-----|--|--|--|
| | | | | | | | | |
| | | | | | | | | |
| R3 | 68 34 | R1 | R3 | 68 34 | R1 | | | |
| R2 | 67 33 | R0 | R2 | 67 33 | R0 | | | |
| C32 | 66 32 | CO | C96 | 66 32 | C64 | | | |
| C33 | 65 31 | C1 | C97 | 65 31 | C65 | | | |
| C34 | 64 30 | C2 | C98 | 64 30 | C66 | | | |
| C35 | 63 29 | C3 | C99 | 63 29 | C67 | | | |
| C36 | 62 28 | C4 | C100 | 62 28 | C68 | | | |
| C37 | 61 27 | C5 | C101 | 61 27 | C69 | | | |
| C38 | 60 26 | C6 | C102 | 60 26 | C70 | | | |
| C39 | 59 25 | C7 | C103 | 59 25 | C71 | | | |
| C40 | 58 24 | C8 | C104 | 58 24 | C72 | | | |
| C41 | 57 23 | C9 | C105 | 57 23 | C73 | | | |
| C42 | 56 22 | C10 | C106 | 56 22 | C74 | | | |
| C43 | 55 21 | C11 | C107 | 55 21 | C75 | | | |
| C44 | 54 20 | C12 | C108 | 54 20 | C76 | | | |
| C45 | 53 19 | C13 | C109 | 53 19 | C77 | | | |
| C46 | 52 18 | C14 | C110 | 52 18 | C78 | | | |
| C47 | 51 17 | C15 | C111 | 51 17 | C79 | | | |
| C48 | 50 16 | C16 | C112 | 50 16 | C80 | | | |
| C49 | 49 15 | C17 | C113 | 49 15 | C81 | | | |
| C50 | 48 14 | C18 | C114 | 48 14 | C82 | | | |
| C51 | 47 13 | C19 | C115 | 47 13 | C83 | | | |
| C52 | 46 12 | C20 | C116 | 46 12 | C84 | | | |
| C53 | 45 11 | C21 | C117 | 45 11 | C85 | | | |
| C54 | 44 10 | C22 | C118 | 44 10 | C86 | | | |
| C55 | 43 9 | C23 | C119 | 43 9 | C87 | | | |
| C56 | 42 8 | C24 | C120 | 42 8 | C88 | | | |
| C57 | 41 7 | C25 | C121 | 41 7 | C89 | | | |
| C58 | 40 6 | C26 | C122 | 40 6 | C90 | | | |
| C59 | 39 5 | C27 | C123 | 39 5 | C91 | | | |
| C60 | 38 4 | C28 | C124 | 38 4 | C92 | | | |
| C61 | 37 3 | C29 | C125 | 37 5 | C93 | | | |
| C62 | 36 2 | C30 | C126 | 36 2 | C94 | | | |
| C63 | 35 1 | C31 | C127 | 35 1 | C95 | | | |
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| | | | | | | | | |

Figure 2. NI TB-2648 Terminal Block Signal Connections (1-Wire 4×128 Matrix)

| Т | Top Connector | | | Bottom Connector | | | | |
|-------|---------------|-------|-------|------------------|-------|--|--|--|
| | | | | | | | | |
| , | | | , | | | | | |
| B0R3 | 68 34 | B0R1 | B1R3 | 68 34 | B1R1 | | | |
| B0R2 | 67 33 | B0R0 | B1R2 | 67 33 | B1R0 | | | |
| B0C32 | 66 32 | B0C0 | B1C32 | 66 32 | B1C0 | | | |
| B0C33 | 65 31 | B0C1 | B1C33 | 65 31 | B1C1 | | | |
| B0C34 | 64 30 | B0C2 | B1C34 | 64 30 | B1C2 | | | |
| B0C35 | 63 29 | B0C3 | B1C35 | 63 29 | B1C3 | | | |
| B0C36 | 62 28 | B0C4 | B1C36 | 62 28 | B1C4 | | | |
| B0C37 | 61 27 | B0C5 | B1C37 | 61 27 | B1C5 | | | |
| B0C38 | 60 26 | B0C6 | B1C38 | 60 26 | B1C6 | | | |
| B0C39 | 59 25 | B0C7 | B1C39 | 59 25 | B1C7 | | | |
| B0C40 | 58 24 | B0C8 | B1C40 | 58 24 | B1C8 | | | |
| B0C41 | 57 23 | B0C9 | B1C41 | 57 23 | B1C9 | | | |
| B0C42 | 56 22 | B0C10 | B1C42 | 56 22 | B1C10 | | | |
| B0C43 | 55 21 | B0C11 | B1C43 | 55 21 | B1C11 | | | |
| B0C44 | 54 20 | B0C12 | B1C44 | 54 20 | B1C12 | | | |
| B0C45 | 53 19 | B0C13 | B1C45 | 53 19 | B1C13 | | | |
| B0C46 | 52 18 | B0C14 | B1C46 | 52 18 | B1C14 | | | |
| B0C47 | 51 17 | B0C15 | B1C47 | 51 17 | B1C15 | | | |
| B0C48 | 50 16 | B0C16 | B1C48 | 50 16 | B1C16 | | | |
| B0C49 | 49 15 | B0C17 | B1C49 | 49 15 | B1C17 | | | |
| B0C50 | 48 14 | B0C18 | B1C50 | 48 14 | B1C18 | | | |
| B0C51 | 47 13 | B0C19 | B1C51 | 47 13 | B1C19 | | | |
| B0C52 | 46 12 | B0C20 | B1C52 | 46 12 | B1C20 | | | |
| B0C53 | 45 11 | B0C21 | B1C53 | 45 11 | B1C21 | | | |
| B0C54 | 44 10 | B0C22 | B1C54 | 44 10 | B1C22 | | | |
| B0C55 | 43 9 | B0C23 | B1C55 | 43 9 | B1C23 | | | |
| B0C56 | 42 8 | B0C24 | B1C56 | 42 8 | B1C24 | | | |
| B0C57 | 41 7 | B0C25 | B1C57 | 41 7 | B1C25 | | | |
| B0C58 | 40 6 | B0C26 | B1C58 | 40 6 | B1C26 | | | |
| B0C59 | 39 5 | B0C27 | B1C59 | 39 5 | B1C27 | | | |
| B0C60 | 38 4 | B0C28 | B1C60 | 38 4 | B1C28 | | | |
| B0C61 | 37 3 | B0C29 | B1C61 | 37 5 | B1C29 | | | |
| B0C62 | 36 2 | B0C30 | B1C62 | 36 2 | B1C30 | | | |
| B0C63 | 35 1 | B0C31 | B1C63 | 35 1 | B1C31 | | | |
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Figure 3. NI TB-2649 Terminal Block Signal Connections (1-Wire Dual 4×64 Matrix)

| 7 | op Connecto | or | Во | Bottom Connector | | | | |
|----------|-------------|-----|----------|------------------|----|-----|--|--|
| | | | , | | | | | |
| R3 | 68 34 | R1 | R3 | 68 | 34 | R1 | | |
| R2 | 67 33 | R0 | R2 | 67 | 33 | R0 | | |
| RESERVED | 66 32 | C0 | RESERVED | 66 | 32 | C32 | | |
| RESERVED | 65 31 | C1 | RESERVED | 65 | 31 | C33 | | |
| RESERVED | 64 30 | C2 | RESERVED | 64 | 30 | C34 | | |
| RESERVED | 63 29 | C3 | RESERVED | 63 | 29 | C35 | | |
| RESERVED | 62 28 | C4 | RESERVED | 62 | 28 | C36 | | |
| RESERVED | 61 27 | C5 | RESERVED | 61 | 27 | C37 | | |
| RESERVED | 60 26 | C6 | RESERVED | 60 | 26 | C38 | | |
| RESERVED | 59 25 | C7 | RESERVED | 59 | 25 | C39 | | |
| RESERVED | 58 24 | C8 | RESERVED | 58 | 24 | C40 | | |
| RESERVED | 57 23 | C9 | RESERVED | 57 | 23 | C41 | | |
| RESERVED | 56 22 | C10 | RESERVED | 56 | 22 | C42 | | |
| RESERVED | 55 21 | C11 | RESERVED | 55 | 21 | C43 | | |
| RESERVED | 54 20 | C12 | RESERVED | 54 | 20 | C44 | | |
| RESERVED | 53 19 | C13 | RESERVED | 53 | 19 | C45 | | |
| RESERVED | 52 18 | C14 | RESERVED | 52 | 18 | C46 | | |
| RESERVED | 51 17 | C15 | RESERVED | 51 | 17 | C47 | | |
| RESERVED | 50 16 | C16 | RESERVED | 50 | 16 | C48 | | |
| RESERVED | 49 15 | C17 | RESERVED | 49 | 15 | C49 | | |
| RESERVED | 48 14 | C18 | RESERVED | 48 | 14 | C50 | | |
| RESERVED | 47 13 | C19 | RESERVED | 47 | 13 | C51 | | |
| RESERVED | 46 12 | C20 | RESERVED | 46 | 12 | C52 | | |
| RESERVED | 45 11 | C21 | RESERVED | 45 | 11 | C53 | | |
| RESERVED | 44 10 | C22 | RESERVED | 44 | 10 | C54 | | |
| RESERVED | 43 9 | C23 | RESERVED | 43 | 9 | C55 | | |
| RESERVED | 42 8 | C24 | RESERVED | 42 | 8 | C56 | | |
| RESERVED | 41 7 | C25 | RESERVED | 41 | 7 | C57 | | |
| RESERVED | 40 6 | C26 | RESERVED | 40 | 6 | C58 | | |
| RESERVED | 39 5 | C27 | RESERVED | 39 | 5 | C59 | | |
| R7 | 38 4 | C28 | R7 | 38 | 4 | C60 | | |
| R6 | 37 3 | C29 | R6 | 37 | 5 | C61 | | |
| R5 | 36 2 | C30 | R5 | 36 | 2 | C62 | | |
| R4 | 35 1 | C31 | R4 | 35 | 1 | C63 | | |
| | | | | | | | | |

Figure 4. NI TB-2650 Terminal Block Signal Connections (1-Wire 8×64 Matrix)

| _ | an Connecte | | Pot | tom Connoc | tor |
|----------|-------------|-------|------------------|------------|----------|
| ' | op Connecto | I | Bottom Connector | | |
| | | | | | \ |
| | | | (| | |
| B0R3 | 68 34 | B0R1 | B1R3 | 68 34 | B1R1 |
| B0R2 | 67 33 | B0R0 | B1R2 | 67 33 | B1R0 |
| RESERVED | 66 32 | B0C0 | RESERVED | 66 32 | B1C0 |
| RESERVED | 65 31 | B0C1 | RESERVED | 65 31 | B1C1 |
| RESERVED | 64 30 | B0C2 | RESERVED | 64 30 | B1C2 |
| RESERVED | 63 29 | B0C3 | RESERVED | 63 29 | B1C3 |
| RESERVED | 62 28 | B0C4 | RESERVED | 62 28 | B1C4 |
| RESERVED | 61 27 | B0C5 | RESERVED | 61 27 | B1C5 |
| RESERVED | 60 26 | B0C6 | RESERVED | 60 26 | B1C6 |
| RESERVED | 59 25 | B0C7 | RESERVED | 59 25 | B1C7 |
| RESERVED | 58 24 | B0C8 | RESERVED | 58 24 | B1C8 |
| RESERVED | 57 23 | B0C9 | RESERVED | 57 23 | B1C9 |
| RESERVED | 56 22 | B0C10 | RESERVED | 56 22 | B1C10 |
| RESERVED | 55 21 | B0C11 | RESERVED | 55 21 | B1C11 |
| RESERVED | 54 20 | B0C12 | RESERVED | 54 20 | B1C12 |
| RESERVED | 53 19 | B0C13 | RESERVED | 53 19 | B1C13 |
| RESERVED | 52 18 | B0C14 | RESERVED | 52 18 | B1C14 |
| RESERVED | 51 17 | B0C15 | RESERVED | 51 17 | B1C15 |
| RESERVED | 50 16 | B0C16 | RESERVED | 50 16 | B1C16 |
| RESERVED | 49 15 | B0C17 | RESERVED | 49 15 | B1C17 |
| RESERVED | 48 14 | B0C18 | RESERVED | 48 14 | B1C18 |
| RESERVED | 47 13 | B0C19 | RESERVED | 47 13 | B1C19 |
| RESERVED | 46 12 | B0C20 | RESERVED | 46 12 | B1C20 |
| RESERVED | 45 11 | B0C21 | RESERVED | 45 11 | B1C21 |
| RESERVED | 44 10 | B0C22 | RESERVED | 44 10 | B1C22 |
| RESERVED | 43 9 | B0C23 | RESERVED | 43 9 | B1C23 |
| RESERVED | 42 8 | B0C24 | RESERVED | 42 8 | B1C24 |
| RESERVED | 41 7 | B0C25 | RESERVED | 41 7 | B1C25 |
| RESERVED | 40 6 | B0C26 | RESERVED | 40 6 | B1C26 |
| RESERVED | 39 5 | B0C27 | RESERVED | 39 5 | B1C27 |
| B0R7 | 38 4 | B0C28 | B1R7 | 38 4 | B1C28 |
| B0R6 | 37 3 | B0C29 | B1R6 | 37 5 | B1C29 |
| B0R5 | 36 2 | B0C30 | B1R5 | 36 2 | B1C30 |
| B0R4 | 35 1 | B0C31 | B1R4 | 35 1 | B1C31 |
| | | | | _ | |
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Figure 5. NI TB-2651 Terminal Block Signal Connections (1-Wire Dual 8 \times 32 Matrix)

Accessories



Caution NI products typically must be operated with shielded cables and accessories to ensure compliance with Electromagnetic Compatibility (EMC) requirements. To determine if shielded cables or accessories are required for the product that the NI TB-2648/2649/2650/2651 will be used with, refer to the EMC specifications in the product's specifications document. If shielded cables or accessories are required for EMC compliance, do not use unshielded cables or accessories unless they are installed in a shielded enclosure with properly designed and shielded input/output ports, and are connected to the NI product using a shielded cable. If unshielded cables or accessories are not properly installed and shielded, the EMC specifications for the product are no longer guaranteed.

Table 2. Accessories for the NI TB-2648/2649/2650/2651

| Accessory | Manufacturer | Part Number |
|--|----------------------|-------------|
| NI TBX-68 unshielded, I/O connector block with DIN-rail mounting | National Instruments | 777141-01 |
| NI SHC68-68 shielded cable (1 m) | National Instruments | 191945-01 |
| NI SHC68-68 shielded cable (2 m) | National Instruments | 191945-02 |



取り付け手順 NI TB-2648/2649/2650/2651

NI PXI/PXIe-2531 用端子台

概要

NI TB-2648/2649/2650/2651 端子台は、次のいずれかのトポロジを使用して NI PXI/PXIe-2531 (NI 2531) を構成します。

表 1 NI TB-2648/2649/2650/2651 を併用した NI 2531 の構成

| NI 端子台 | NI 2531 構成トポロジ |
|------------|---------------------|
| NI TB-2648 | 単線式 4×128 マトリクス |
| NI TB-2649 | 2バンク単線式 4×64 マトリクス |
| NI TB-2650 | 単線式 8×64 マトリクス |
| NI TB-2651 | 2 バンク単線式 8×32 マトリクス |

NI PXI/PXIe-2531 と併用した端子台の仕様については、『NI PXI/PXIe-2531 仕様』を参照してください。

下記の部品があることを確認します。

- NI TB-2648/2649/2650/2651 端子台
- プラスドライバー(No. 1)



注意 安全規格の詳細については、ni.com/manuals から入手できる『はじめにお読みください:安全対策と電磁両立性について』を参照してください。

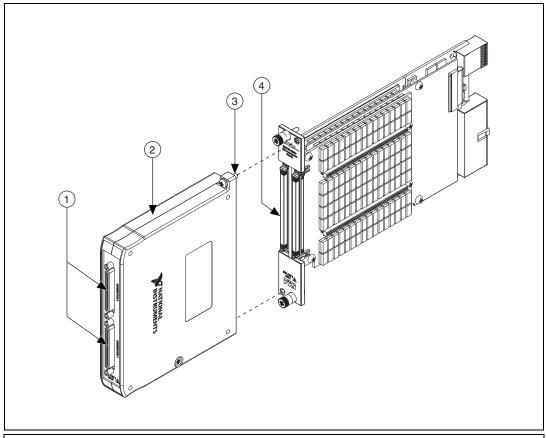


メモ 端子台からシステムへの信号接続に使用するアクセサリについては、「アクセサリ」 セクションを参照してください。



端子台を NI 2531 スイッチモジュールに接続するには、図 1 を参照して次の手順に従います。

- 1. NI 2531 のフロントコネクタを端子台のメイトコネクタに接続します。
- 2. 端子台の後部パネル背面にある上下のネジを締めて、端子台をしっかりと固定します。



1 NI TB-2648 フロントコネクタ

2 NI TB-2648

3 ネジ

4 NI 2531 フロントコネクタ

図 1 NITB-2648/2649/2650/2651 端子台を取り付ける

信号を接続する



メモ 端子台への信号接続に使用する推奨 NI アクセサリについては、「アクセサリ」セクションを参照してください。

信号を端子台に接続するには、端子台のピン配列を図 $2\sim5$ で確認して次の手順に従ってください。

- 1. 互換ケーブルを端子台に接続します。
- 2. ケーブルを直接、または NI TBX-68 などの端子台を介して検査対象デバイスに接続します。

| 上部 | コネクタ | | | 底部コネク | フタ | |
|--------|------|-----|------|-------|---------|-----|
| | | | | | | |
| R3 68 | 34 | R1 | R3 | 68 34 | . F | R1 |
| R2 67 | 33 | R0 | R2 | 67 33 | _ | 30 |
| C32 66 | 32 | CO | C96 | 66 32 | - | 264 |
| C33 65 | 31 | C1 | C97 | 65 31 | _ | 265 |
| C34 64 | 30 | C2 | C98 | 64 30 | | 266 |
| C35 63 | 29 | C3 | C99 | 63 29 | | 267 |
| C36 62 | _ | C4 | C100 | 62 28 | 3 0 | 268 |
| C37 61 | 27 | C5 | C101 | 61 27 | , (| 269 |
| C38 60 | 26 | C6 | C102 | 60 26 | 6 0 | 270 |
| C39 59 | 25 | C7 | C103 | 59 25 | 5 0 | 71 |
| C40 58 | 24 | C8 | C104 | 58 24 | . (| 72 |
| C41 57 | 23 | C9 | C105 | 57 23 | 3 0 | 273 |
| C42 56 | 22 | C10 | C106 | 56 22 | 2 (| 274 |
| C43 55 | 21 | C11 | C107 | 55 21 | | 275 |
| C44 54 | 20 | C12 | C108 | 54 20 | | 276 |
| C45 53 | 19 | C13 | C109 | 53 19 | | 277 |
| C46 52 | 18 | C14 | C110 | 52 18 | 3 0 | 278 |
| C47 51 | 17 | C15 | C111 | 51 17 | _ _ (| 79 |
| C48 50 | 16 | C16 | C112 | 50 16 | _ | 080 |
| C49 49 | 15 | C17 | C113 | 49 15 | 5 0 | 281 |
| C50 48 | 14 | C18 | C114 | 48 14 | _ | 282 |
| C51 47 | 13 | C19 | C115 | 47 13 | 3 0 | 283 |
| C52 46 | 12 | C20 | C116 | 46 12 | _ | 284 |
| C53 45 | 11 | C21 | C117 | 45 11 | _ | 285 |
| C54 44 | 10 | C22 | C118 | 44 10 | | 286 |
| C55 43 | 9 | C23 | C119 | 43 9 | _ | 287 |
| C56 42 | 8 | C24 | C120 | 42 8 | | 288 |
| C57 41 | 7 | C25 | C121 | 41 7 | | 289 |
| C58 40 | 6 | C26 | C122 | 40 6 | _ | 290 |
| C59 39 | 5 | C27 | C123 | 39 5 | | 291 |
| C60 38 | 4 | C28 | C124 | 38 4 | _ | 092 |
| C61 37 | 3 | C29 | C125 | 37 5 | _ | 293 |
| C62 36 | 2 | C30 | C126 | 36 2 | _ | 294 |
| C63 35 | 1 | C31 | C127 | 35 1 | - $ $ | 295 |
| | | | (| | | |
| | | | | | | |

図2 NI TB-2648 端子台信号接続(単線式 4×128 マトリクス)

| | 1 to _ 1 to _ | | | 中如一 土 | |
|---|---|--|---|---|---|
| | 上部コネクタ | | | 底部コネクタ | |
| | | | , | | |
| B0R3 B0R2 B0C32 B0C33 B0C34 B0C35 B0C36 B0C37 B0C38 B0C39 B0C40 B0C41 B0C42 B0C43 B0C44 B0C45 B0C46 B0C47 B0C48 B0C49 B0C50 B0C51 B0C50 B0C51 B0C52 B0C53 B0C54 B0C55 B0C56 B0C57 B0C58 B0C59 B0C60 B0C61 B0C62 B0C63 | 68 34 67 33 66 32 65 31 64 30 63 29 62 28 61 27 60 26 59 25 58 24 57 23 56 22 55 21 54 20 53 19 52 18 51 17 50 16 49 15 48 14 47 13 46 12 45 11 44 10 43 9 42 8 41 7 40 6 39 5 38 4 37 3 36 2 35 1 | B0R1 B0R0 B0C0 B0C1 B0C2 B0C3 B0C4 B0C5 B0C6 B0C7 B0C8 B0C10 B0C11 B0C12 B0C13 B0C14 B0C15 B0C16 B0C17 B0C18 B0C19 B0C20 B0C21 B0C22 B0C23 B0C24 B0C25 B0C26 B0C27 B0C28 B0C29 B0C30 B0C31 | B1R3 B1R2 B1C32 B1C33 B1C34 B1C35 B1C36 B1C37 B1C38 B1C39 B1C40 B1C41 B1C42 B1C43 B1C44 B1C45 B1C46 B1C47 B1C48 B1C50 B1C51 B1C52 B1C53 B1C54 B1C55 B1C56 B1C57 B1C58 B1C56 B1C57 B1C58 B1C59 B1C60 B1C61 B1C62 B1C63 | 68 34 67 33 66 32 65 31 64 30 63 29 62 28 61 27 60 26 59 25 58 24 57 23 56 22 55 21 54 20 53 19 52 18 51 17 50 16 49 15 48 14 47 13 46 12 45 11 44 10 43 9 42 8 41 7 40 6 39 5 38 4 37 5 36 2 35 1 | B1R1 B1R0 B1C0 B1C1 B1C2 B1C3 B1C4 B1C5 B1C6 B1C7 B1C8 B1C9 B1C10 B1C11 B1C12 B1C13 B1C14 B1C15 B1C16 B1C17 B1C18 B1C16 B1C17 B1C18 B1C19 B1C20 B1C21 B1C20 B1C21 B1C22 B1C23 B1C24 B1C25 B1C26 B1C27 B1C28 B1C29 B1C30 B1C31 |
| B0C63 | 35 1 | ВОСЗТ | B1C63 | 35 1 | БІСЗІ |
| | |) | | |) |
| | | | | | |
| | | O 端고스/루모늄영 | | | |

図3 NITB-2649 端子台信号接続(2バンク単線式4×64マトリクス)

| | 上部コ | ネクタ | | | 底部= | ネクタ | Z |
|------|-----|---------|-----|------|-----|-----|-----|
| | | <u></u> |) | | | | |
| R3 | 68 | 34 | R1 | R3 | 68 | 34 | R1 |
| R2 | 67 | 33 | R0 | R2 | 67 | 33 | R0 |
| 予約済み | 66 | 32 | C0 | 予約済み | 66 | 32 | C32 |
| 予約済み | 65 | 31 | C1 | 予約済み | 65 | 31 | C33 |
| 予約済み | 64 | 30 | C2 | 予約済み | 64 | 30 | C34 |
| 予約済み | 63 | 29 | C3 | 予約済み | 63 | 29 | C35 |
| 予約済み | 62 | 28 | C4 | 予約済み | 62 | 28 | C36 |
| 予約済み | 61 | 27 | C5 | 予約済み | 61 | 27 | C37 |
| 予約済み | 60 | 26 | C6 | 予約済み | 60 | 26 | C38 |
| 予約済み | 59 | 25 | C7 | 予約済み | 59 | 25 | C39 |
| 予約済み | 58 | 24 | C8 | 予約済み | 58 | 24 | C40 |
| 予約済み | 57 | 23 | C9 | 予約済み | 57 | 23 | C41 |
| 予約済み | 56 | 22 | C10 | 予約済み | 56 | 22 | C42 |
| 予約済み | 55 | 21 | C11 | 予約済み | 55 | 21 | C43 |
| 予約済み | 54 | 20 | C12 | 予約済み | 54 | 20 | C44 |
| 予約済み | 53 | 19 | C13 | 予約済み | 53 | 19 | C45 |
| 予約済み | 52 | 18 | C14 | 予約済み | 52 | 18 | C46 |
| 予約済み | 51 | 17 | C15 | 予約済み | 51 | 17 | C47 |
| 予約済み | 50 | 16 | C16 | 予約済み | 50 | 16 | C48 |
| 予約済み | 49 | 15 | C17 | 予約済み | 49 | 15 | C49 |
| 予約済み | 48 | 14 | C18 | 予約済み | 48 | 14 | C50 |
| 予約済み | 47 | 13 | C19 | 予約済み | 47 | 13 | C51 |
| 予約済み | 46 | 12 | C20 | 予約済み | 46 | 12 | C52 |
| 予約済み | 45 | 11 | C21 | 予約済み | 45 | 11 | C53 |
| 予約済み | 44 | 10 | C22 | 予約済み | 44 | 10 | C54 |
| 予約済み | 43 | 9 | C23 | 予約済み | 43 | 9 | C55 |
| 予約済み | 42 | 8 | C24 | 予約済み | 42 | 8 | C56 |
| 予約済み | 41 | 7 | C25 | 予約済み | 41 | 7 | C57 |
| 予約済み | 40 | 6 | C26 | 予約済み | 40 | 6 | C58 |
| 予約済み | 39 | 5 | C27 | 予約済み | 39 | 5 | C59 |
| R7 | 38 | 4 | C28 | R7 | 38 | 4 | C60 |
| R6 | 37 | 3 | C29 | R6 | 37 | 5 | C61 |
| R5 | 36 | 2 | C30 | R5 | 36 | 2 | C62 |
| R4 | 35 | 1 | C31 | R4 | 35 | 1 | C63 |
| | | | | | | | |

図 4 NI TB-2650 端子台信号接続(単線式 8×64 マトリクス)

| | 上部コネクタ | | | 底部コネクタ | | | | |
|------|--------|-------|------|--------|----------|--|--|--|
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| , | | | | | | | | |
| B0R3 | 68 34 | B0R1 | B1R3 | 68 34 | B1R1 | | | |
| B0R2 | 67 33 | B0R0 | B1R2 | 67 33 | B1R0 | | | |
| 予約済み | 66 32 | B0C0 | 予約済み | 66 32 | B1C0 | | | |
| 予約済み | 65 31 | B0C1 | 予約済み | 65 31 | B1C1 | | | |
| 予約済み | 64 30 | B0C2 | 予約済み | 64 30 | B1C2 | | | |
| 予約済み | 63 29 | B0C3 | 予約済み | 63 29 | B1C3 | | | |
| 予約済み | 62 28 | B0C4 | 予約済み | 62 28 | B1C4 | | | |
| 予約済み | 61 27 | B0C5 | 予約済み | 61 27 | B1C5 | | | |
| 予約済み | 60 26 | B0C6 | 予約済み | 60 26 | B1C6 | | | |
| 予約済み | 59 25 | B0C7 | 予約済み | 59 25 | B1C7 | | | |
| 予約済み | 58 24 | B0C8 | 予約済み | 58 24 | B1C8 | | | |
| 予約済み | 57 23 | B0C9 | 予約済み | 57 23 | B1C9 | | | |
| 予約済み | 56 22 | B0C10 | 予約済み | 56 22 | B1C10 | | | |
| 予約済み | 55 21 | B0C11 | 予約済み | 55 21 | B1C11 | | | |
| 予約済み | 54 20 | B0C12 | 予約済み | 54 20 | B1C12 | | | |
| 予約済み | 53 19 | B0C13 | 予約済み | 53 19 | B1C13 | | | |
| 予約済み | 52 18 | B0C14 | 予約済み | 52 18 | B1C14 | | | |
| 予約済み | 51 17 | B0C15 | 予約済み | 51 17 | B1C15 | | | |
| 予約済み | 50 16 | B0C16 | 予約済み | 50 16 | B1C16 | | | |
| 予約済み | 49 15 | B0C17 | 予約済み | 49 15 | B1C17 | | | |
| 予約済み | 48 14 | B0C18 | 予約済み | 48 14 | B1C18 | | | |
| 予約済み | 47 13 | B0C19 | 予約済み | 47 13 | B1C19 | | | |
| 予約済み | 46 12 | B0C20 | 予約済み | 46 12 | B1C20 | | | |
| 予約済み | 45 11 | B0C21 | 予約済み | 45 11 | B1C21 | | | |
| 予約済み | 44 10 | B0C22 | 予約済み | 44 10 | B1C22 | | | |
| 予約済み | 43 9 | B0C23 | 予約済み | 43 9 | B1C23 | | | |
| 予約済み | 42 8 | B0C24 | 予約済み | 42 8 | B1C24 | | | |
| 予約済み | 41 7 | B0C25 | 予約済み | 41 7 | B1C25 | | | |
| 予約済み | 40 6 | B0C26 | 予約済み | 40 6 | B1C26 | | | |
| 予約済み | 39 5 | B0C27 | 予約済み | 39 5 | B1C27 | | | |
| B0R7 | 38 4 | B0C28 | B1R7 | 38 4 | B1C28 | | | |
| B0R6 | 37 3 | B0C29 | B1R6 | 37 5 | B1C29 | | | |
| B0R5 | 36 2 | B0C30 | B1R5 | 36 2 | B1C30 | | | |
| B0R4 | 35 1 | B0C31 | B1R4 | 35 1 | B1C31 | | | |
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図 5 NI TB-2651 端子台信号接続(2 バンク単線式 8 × 32 マトリクス)

アクセサリ



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表 2 NI TB-2648/2649/2650/2651 用アクセサリ

| アクセサリ | 製造元 | 製品番号 |
|--|---------------|-----------|
| NI TBX-68 非シールド、I/O 端子台 (DIN レールマウント付き) | ナショナルインスツルメンツ | 777141-01 |
| NI SHC68-68 シールドケーブル(1 m) | ナショナルインスツルメンツ | 191945-01 |
| NI SHC68-68 シールドケーブル(2 m) | ナショナルインスツルメンツ | 191945-02 |

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