

CS I/O Terminal Block Conversion Adapters · Conversion Cables

CJ1W-AT6□□/CJ1W-CM2□□-□□**From CS to NJ/NX:****Easy reliable replacement using
existing terminal block wiring**

CJ1W-AT601/AT602/AT611/AT612



CJ1W-AT641/AT681/AT682

Features

- No re-wiring and wiring checks necessary
- Easy three-step terminal block replacement lets you slash workload
- Wide range of supported I/O units

CJ1W-AT6□□/CJ1W-CM2□□-□□

Ordering Information

Terminal Block Conversion Adapters/Terminal Block Conversion Cables

Product name		Specifications	Model	Standards *1
CS-series I/O Terminal Block Conversion Adapters		For Relay output, 8 points	CJ1W-AT601	EU Directives, RCM, UKCA
		For Triac output, 8 points	CJ1W-AT602	
		For Relay output, 16 points For DC input, 16 points	CJ1W-AT611	
		For Transistor output, 16 points	CJ1W-AT612	
		For Analog output, 4 points	CJ1W-AT641	
		For Analog input, 4 points/8 points	CJ1W-AT681	
		For Analog output, 8 points	CJ1W-AT682	
CS-series I/O Terminal Block Conversion Cables		For High-speed counter unit, 2 channels	CJ1W-CM211-CT	---
		For High-speed counter unit, 4 channels	CJ1W-CM212-CT	
		For Position control unit	CJ1W-CM213-NC	

*1. Refer to the OMRON website (www.ia.omron.com) or ask your OMRON representative for the most recent applicable standards for each model.

Optional Products

Product name	Specifications	Model
Reinforcement Bracket *1	Vibration and Shock Reinforcement Bracket for CJ1W-AT6□□ (Up to 3 terminal block conversion adapters can be used per bracket) Use this product when using the CJ series with a terminal block conversion adapter in an environment that is subject to continuous vibration or shock.	CJ1W-ATT13

*1. Please use PFP-50N or PFP-100N DIN rails when installing the CJ Series.

Product name	Model	Specifications
DIN Track	PFP-50N	Length: 0.5 m, Height: 7.3 mm
	PFP-100N	Length: 1 m, Height: 7.3 mm

Connection of I/O Units and Terminal Block Conversion Adapter/Terminal Block Conversion Cable

Supported Models

Terminal Block Conversion Adapters

Replacement product		Replaced from: CS-series #1		Replaced to: CJ-series #1		Replaced to: NX-series		Terminal Block Conversion Adapters
Product name	Number of points	Specifications	Model	Specifications	Model	Specifications	Model	Model
Relay Output Unit	8 points	250 VAC 2 A, 24 VDC 2 A, 120 VDC 0.1 A	CS1W-OC201	250 VAC 2 A, 24 VDC 2 A	CJ1W-OC201	---		CJ1W-AT601
	16 points		CS1W-OC211		CJ1W-OC211	---		CJ1W-AT611 #2
Triac Output Unit	8 points	250 VAC 1.2 A	CS1W-OA201	250 VAC 0.6 A	CJ1W-OA201 #3	---		CJ1W-AT602
					CJ1W-OA201-1			
Transistor Output Unit	16 points	12 to 24 VDC 0.5 A Sinking	CS1W-OD211	12 to 24 VDC 0.5 A Sinking	CJ1W-OD211	12 to 24 VDC 0.5 A Sinking	NX-OD5121-1	CJ1W-AT612 #2
		24 VDC 0.5 A Sourcing	CS1W-OD212	24 VDC 0.5 A Sourcing	CJ1W-OD212	24 VDC 0.5 A Sourcing	NX-OD5256-1	
Analog Output Unit	4 points	1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to +10 V, 4 to 20 mA	CS1W-DA041	1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to +10 V, 4 to 20 mA	CJ1W-DA041	---		CJ1W-AT641 #4
	8 points	1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to +10 V	CS1W-DA08V	1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to +10 V	CJ1W-DA08V	---		CJ1W-AT682 #4
		4 to 20 mA	CS1W-DA08C	4 to 20 mA	CJ1W-DA08C	---		
AC Input Unit	16 points	100 to 120 VAC 100 VAC: 10 mA 100 to 120 VDC 100 VDC: 1.5 mA	CS1W-IA111	100 to 120 VAC 7 mA	CJ1W-IA111	---		CJ1W-AT611 #2
DC Input Unit	16 points	24 VDC 7 mA	CS1W-ID211	24 VDC 7 mA	CJ1W-ID211	24 VDC 7 mA	NX-ID5142-1	
Analog Input Unit	4 points	1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to +10 V, 4 to 20 mA	CS1W-AD041-V1	1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to +10 V, 4 to 20 mA	CJ1W-AD041-V1	---		CJ1W-AT681
	8 points		CS1W-AD081-V1		CJ1W-AD081-V1	---		
Interrupt Input Unit	16 points	24 VDC 7 mA	CS1W-INT01	24 VDC 7 mA	CJ1W-INT01	24 VDC 7 mA	NX-ID5142-1	CJ1W-AT611 #2
Quick-response Input Unit	16 points	24 VDC 7 mA	CS1W-IDP01	24 VDC 7 mA	CJ1W-IDP01	24 VDC 7 mA	NX-ID5142-1	

Terminal Block Conversion Cables

Replacement product		Replaced from: CS-series		Replaced to: CJ-series #1		Terminal Block Conversion Cables
Product name	Specifications	Specifications	Model	Specifications	Model	Model
High-speed Counter Unit		2 channels	CS1W-CT021	2 channels	CJ1W-CT021	CJ1W-CM211-CT
		4 channels	CS1W-CT041	2 channels × 2 units	CJ1W-CT021 × 2 units	CJ1W-CM212-CT
Position Control Unit	Position Control Unit, Open-loop control by pulse train output/ Open-collector output	1 axis	CS1W-NC113	1 axis	CJ1W-NC113	CJ1W-CM213-NC
		2 axes	CS1W-NC213	2 axes	CJ1W-NC213	
		4 axes	CS1W-NC413	4 axes	CJ1W-NC413	
	Position Control Unit, Open-loop control by pulse train output/ Line-driver output	1 axis	CS1W-NC133	1 axis	CJ1W-NC133	
		2 axes	CS1W-NC233	2 axes	CJ1W-NC233	
		4 axes	CS1W-NC433	4 axes	CJ1W-NC433	

*1. The original product and the replacement product may functionally correspond but may have different detailed specifications.

Please refer to the replacement guide and related manuals.

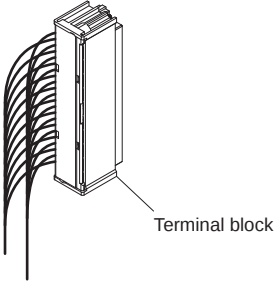
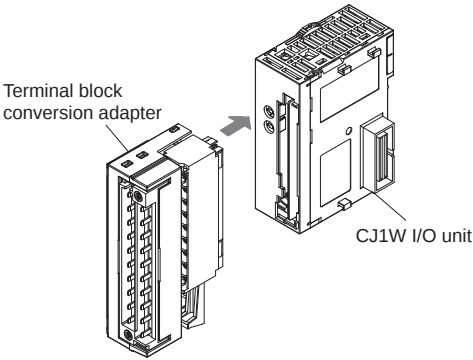
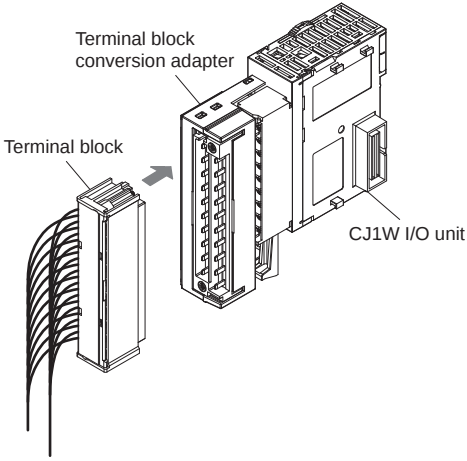
*2. CS1W I/O unit is divided into 8 points × 2 commons, whereas CJ1W I/O unit is 16 points × 1 common.

When replacing using a terminal block conversion unit, please ensure that the common power supply and common polarity are used.

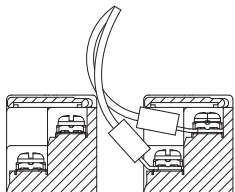
*3. CJ1W-OA201 is not UC1 cULus (Class I Division 2 hazardous location certification). If cULus (Class I Div 2 hazardous location certification) is required, use CJ1W-OA201-1.

*4. The replacement CJ1W I/O Unit requires an external power supply. Please refer to the *Internal Wiring Diagram and Replacement Guide* (P164).

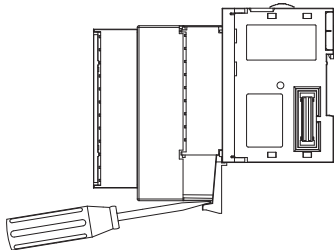
Installation Procedure of Terminal Block Conversion Adapter

Step	Procedure	Drawing
1	Remove the terminal block from the existing CS1W I/O unit.	
2	Lock the Terminal Block Conversion Adapter to the CJ1W I/O Unit.	
3	Attach the terminal block that you removed in step 1 to the Terminal Block Conversion Adapter. Check the terminal block and wiring now to make sure that there are no problems. • No loose screws. • No points where a cable is starting to break. • No rust or corrosion. • No terminal block damage. • The terminal block is fully inserted and secured.	

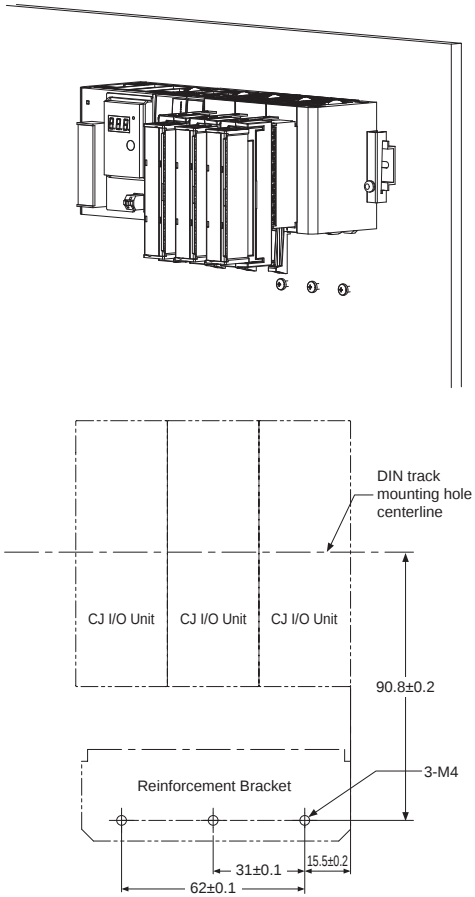
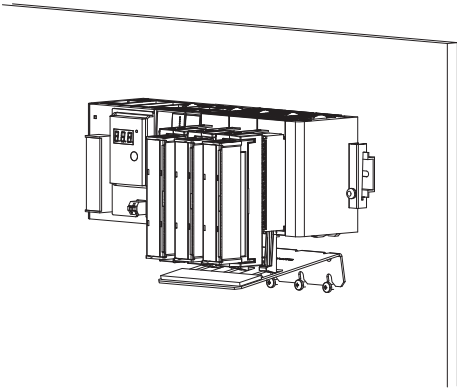
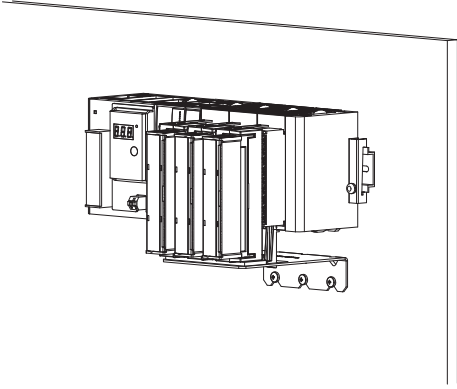
Note: 1. A CJ1W I/O Unit is 4 mm narrower than a CS1W I/O Unit.
Wiring will be easier if you bend the crimp terminals and cables as shown below when you attach the Terminal Block Conversion Adapter to the CJ1W I/O Unit.



Note: 2. Use a flat-blade screwdriver or similar tool to pull down and release the lock on the terminal block.



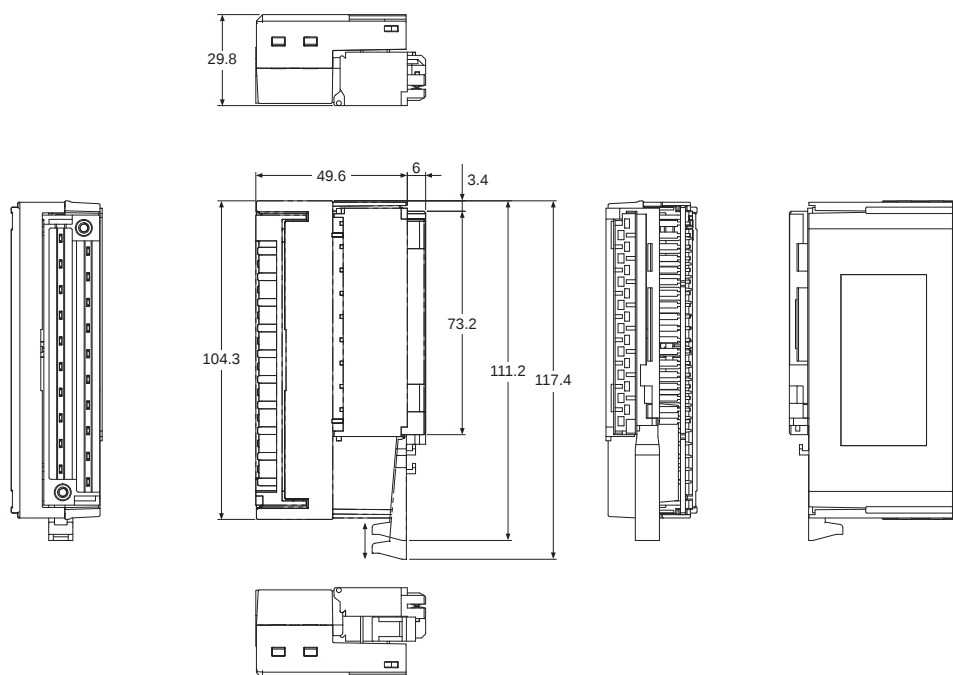
Installation Procedure of Reinforcement Bracket

Step	Procedure	Drawing
1	Drill three M4 holes in the mounting section and temporarily fasten the screws.	
2	Insert the reinforcement bracket by hooking it onto the screws.	
3	Tighten the screws to secure them.	

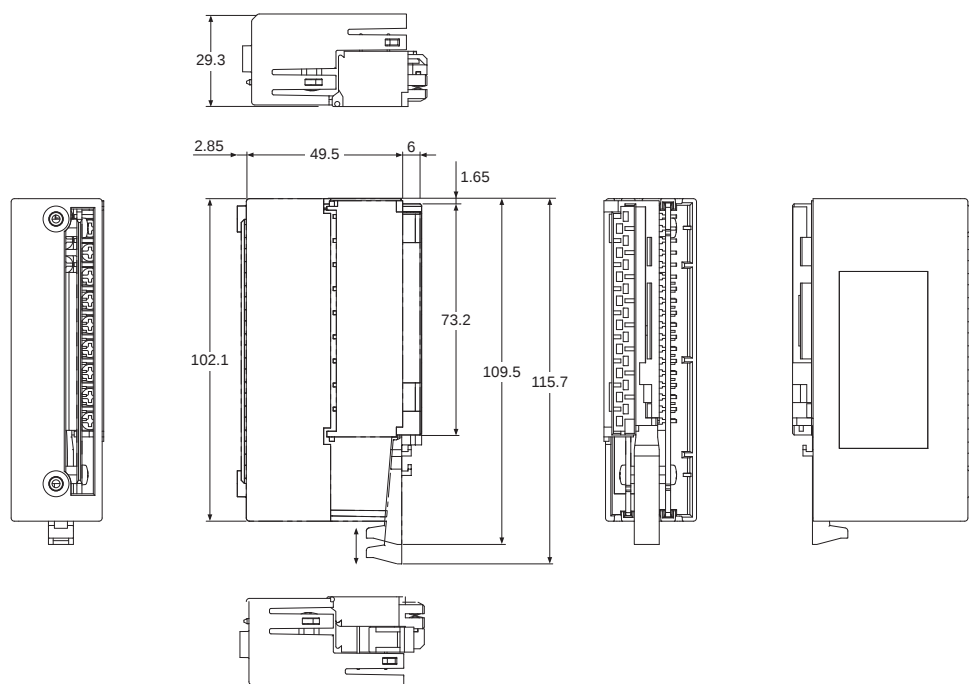
Dimensions

(Unit: mm)

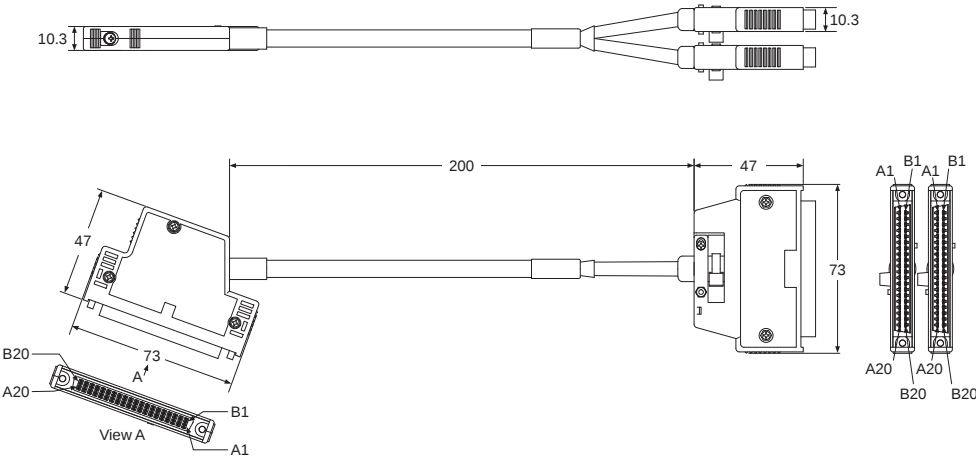
CJ1W-AT601
CJ1W-AT602
CJ1W-AT611
CJ1W-AT612



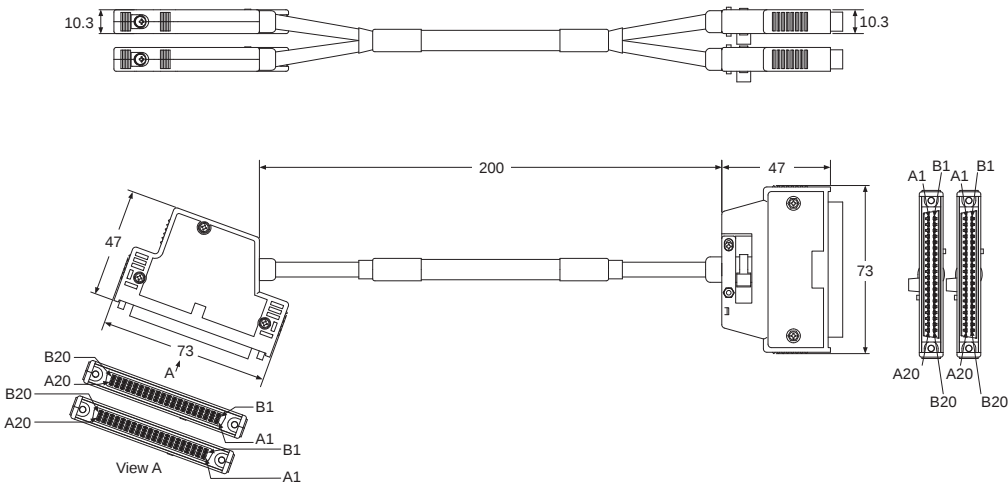
CJ1W-AT641
CJ1W-AT681
CJ1W-AT682



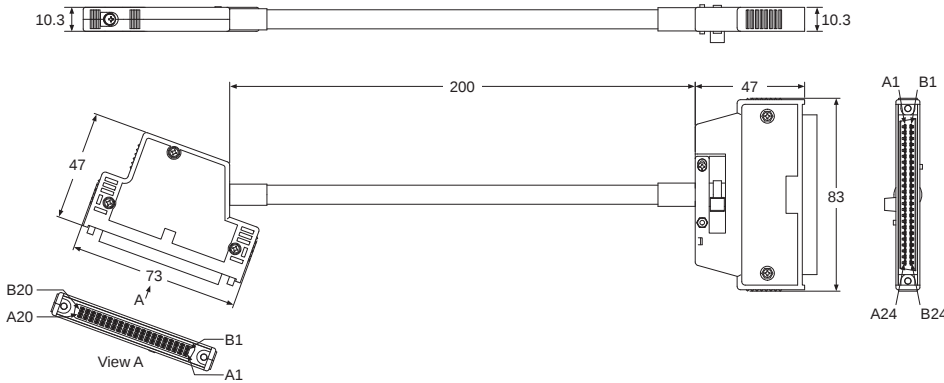
CJ1W-CM211-CT



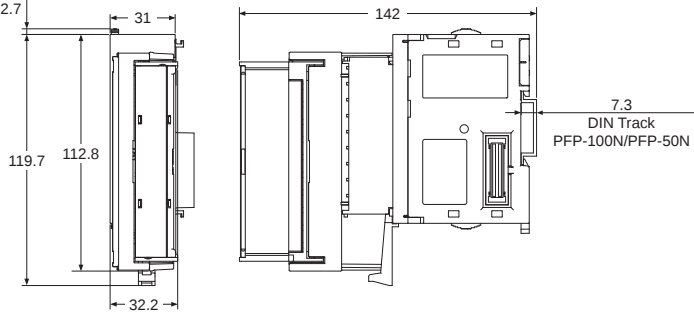
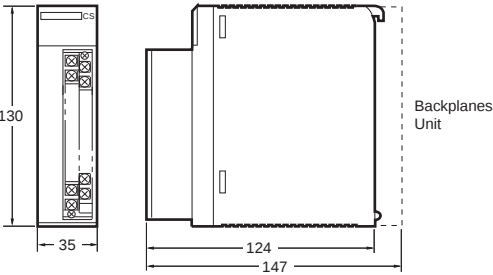
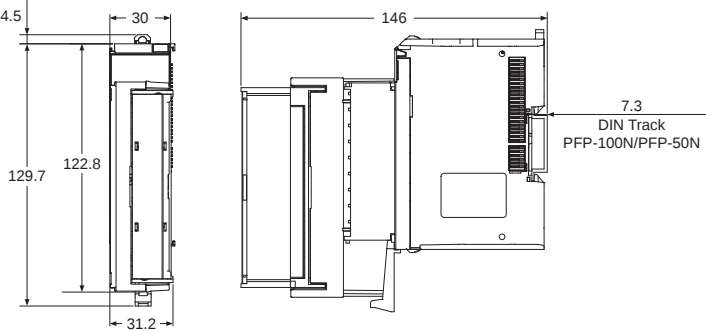
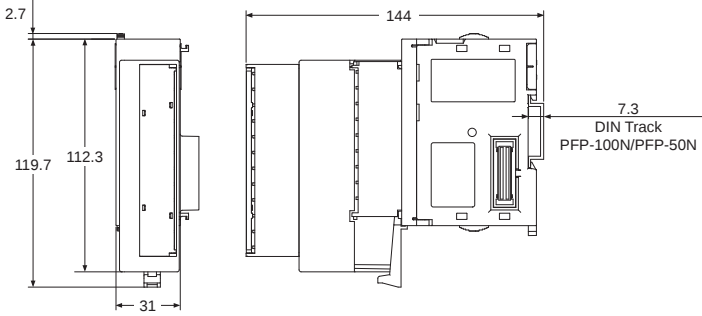
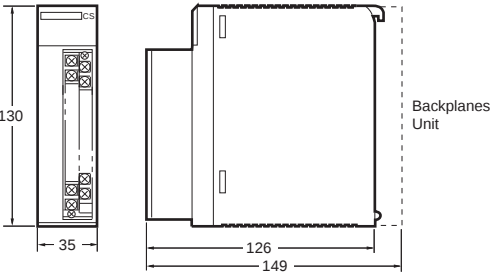
CJ1W-CM212-CT



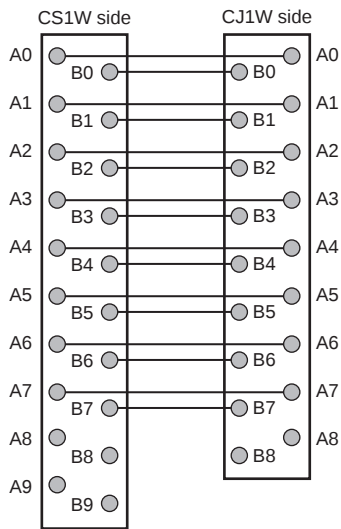
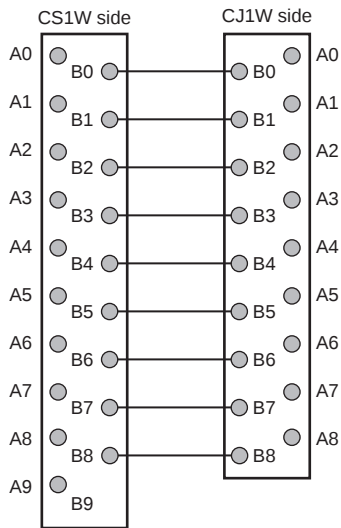
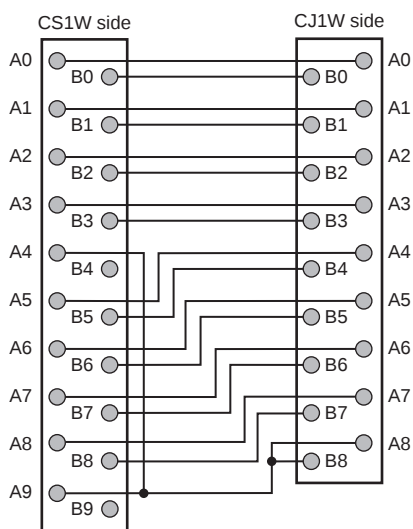
CJ1W-CM213-NC



Dimensional Difference List

Replace to	Replace from
CJ1W-AT601/AT602/AT611/AT612 CJ-series I/O Unit + Terminal Block Conversion Adapter + DIN Track 	CS-series I/O Unit + Backplanes Unit 
NX-series I/O Unit + Terminal Block Conversion Adapter + DIN Track 	
CJ1W-AT641/AT681/AT682 CJ-series I/O Unit + Terminal Block Conversion Adapter + DIN Track 	CS-series I/O Unit + Backplanes Unit 

Internal Wiring Diagram

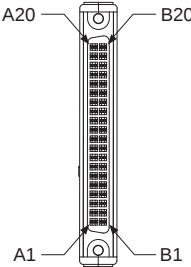
Terminal Block Conversion Adapter	Pin assugnment and internal wiring
CJ1W-AT601	
CJ1W-AT602	
CJ1W-AT611	

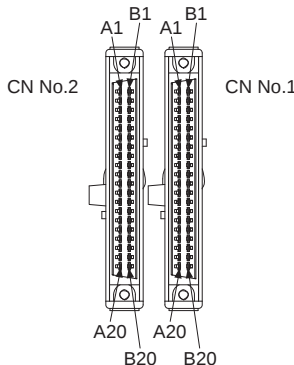
Terminal Block Conversion Adapter	Pin assgntment and internal wiring
CJ1W-AT612	CS1W side CJ1W side A0 B0 A0 A1 B1 A1 A2 B2 A2 A3 B3 A3 A4 B4 A4 A5 B5 A5 A6 B6 A6 A7 B7 A7 A8 B8 A8 A9 B9
CJ1W-AT641 *1	CS1W side CJ1W side B1 A1 B1 B2 A2 B2 B3 A3 B3 B4 A4 B4 B5 A5 B5 B6 A6 B6 B7 A7 B7 B8 A8 B8 B9 A9 B9 A10 B10 A11
CJ1W-AT681	CS1W side CJ1W side B1 A1 B1 B2 A2 B2 B3 A3 B3 B4 A4 B4 B5 A5 B5 B6 A6 B6 B7 A7 B7 B8 A8 B8 B9 A9 B9 A10 B10 A11

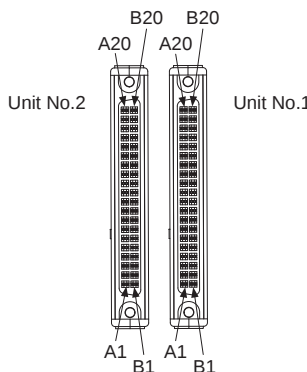
*1. The replacement CJ1W I/O unit (CJ1W-DA041) requires an external power supply.
Connect 24 V to terminal A11 and 0 V to terminal B10 of the terminal block removed from the CS1W I/O unit.

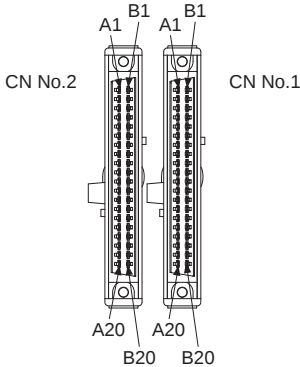
Terminal Block Conversion Adapter	Pin assugment and internal wiring
CJ1W-AT682 *1	

*1. The replacement CJ1W I/O units (CJ1W-DA08V, CJ1W-DA08C) require an external power supply.
Connect 24 V to terminal A11 and 0 V to terminal B10 of the terminal block removed from the CS1W I/O unit.

Terminal Block Conversion Cable	Pin assugntment and internal wiring																																																																																			
CJ1W-CM211-CT	CJ1W-CT021 side 																																																																																			
	<table><tr><th>Pin No.</th><th>Designation</th><th>Pin No.</th><th>Designation</th></tr><tr><td>A20</td><td>Counter 2 Input Z: 12 VDC</td><td>B20</td><td>Counter 2 Input Z: 24 VDC</td></tr><tr><td>A19</td><td>Counter 2 Input Z: Line Driver -/0 V</td><td>B19</td><td>Counter 2 Input Z: Line Driver +</td></tr><tr><td>A18</td><td>Counter 2 Input B: 12 VDC</td><td>B18</td><td>Counter 2 Input B: 24 VDC</td></tr><tr><td>A17</td><td>Counter 2 Input B: Line Driver -/0 V</td><td>B17</td><td>Counter 2 Input B: Line Driver +</td></tr><tr><td>A16</td><td>Counter 2 Input A: 12 VDC</td><td>B16</td><td>Counter 2 Input A: 24 VDC</td></tr><tr><td>A15</td><td>Counter 2 Input A: Line Driver -/0 V</td><td>B15</td><td>Counter 2 Input A: Line Driver +</td></tr><tr><td>A14</td><td>Not used</td><td>B14</td><td>Not used</td></tr><tr><td>A13</td><td>Counter 1 Input Z: 5 VDC</td><td>B13</td><td>Counter 1 Input Z: 24 VDC</td></tr><tr><td>A12</td><td>Counter 1 Input Z: Line Driver -/0 V</td><td>B12</td><td>Counter 1 Input Z: Line Driver +</td></tr><tr><td>A11</td><td>Counter 1 Input B: 5 VDC</td><td>B11</td><td>Counter 1 Input B: 24 VDC</td></tr><tr><td>A10</td><td>Counter 1 Input B: Line Driver -/0 V</td><td>B10</td><td>Counter 1 Input B: Line Driver +</td></tr><tr><td>A9</td><td>Counter 1 Input A: 5 VDC</td><td>B9</td><td>Counter 1 Input A: 24 VDC</td></tr><tr><td>A8</td><td>Counter 1 Input A: Line Driver -/0 V</td><td>B8</td><td>Counter 1 Input A: Line Driver +</td></tr><tr><td>A7</td><td>Not used</td><td>B7</td><td>Not used</td></tr><tr><td>A6</td><td>External Control Input 1: COM</td><td>B6</td><td>External Control Input 1: 24 VDC</td></tr><tr><td>A5</td><td>External Control Input 0: COM</td><td>B5</td><td>External Control Input 0: 24 VDC</td></tr><tr><td>A4</td><td>Not used</td><td>B4</td><td>Not used</td></tr><tr><td>A3</td><td>External Output 1 (NPN)</td><td>B3</td><td>External Output 1 (PNP)</td></tr><tr><td>A2</td><td>External Output 0 (NPN)</td><td>B2</td><td>External Output 0 (PNP)</td></tr><tr><td>A1</td><td>External Output COM: 0 V</td><td>B1</td><td>External output power supply: 12 to 24 VDC</td></tr></table>	Pin No.	Designation	Pin No.	Designation	A20	Counter 2 Input Z: 12 VDC	B20	Counter 2 Input Z: 24 VDC	A19	Counter 2 Input Z: Line Driver -/0 V	B19	Counter 2 Input Z: Line Driver +	A18	Counter 2 Input B: 12 VDC	B18	Counter 2 Input B: 24 VDC	A17	Counter 2 Input B: Line Driver -/0 V	B17	Counter 2 Input B: Line Driver +	A16	Counter 2 Input A: 12 VDC	B16	Counter 2 Input A: 24 VDC	A15	Counter 2 Input A: Line Driver -/0 V	B15	Counter 2 Input A: Line Driver +	A14	Not used	B14	Not used	A13	Counter 1 Input Z: 5 VDC	B13	Counter 1 Input Z: 24 VDC	A12	Counter 1 Input Z: Line Driver -/0 V	B12	Counter 1 Input Z: Line Driver +	A11	Counter 1 Input B: 5 VDC	B11	Counter 1 Input B: 24 VDC	A10	Counter 1 Input B: Line Driver -/0 V	B10	Counter 1 Input B: Line Driver +	A9	Counter 1 Input A: 5 VDC	B9	Counter 1 Input A: 24 VDC	A8	Counter 1 Input A: Line Driver -/0 V	B8	Counter 1 Input A: Line Driver +	A7	Not used	B7	Not used	A6	External Control Input 1: COM	B6	External Control Input 1: 24 VDC	A5	External Control Input 0: COM	B5	External Control Input 0: 24 VDC	A4	Not used	B4	Not used	A3	External Output 1 (NPN)	B3	External Output 1 (PNP)	A2	External Output 0 (NPN)	B2	External Output 0 (PNP)	A1	External Output COM: 0 V	B1
Pin No.	Designation	Pin No.	Designation																																																																																	
A20	Counter 2 Input Z: 12 VDC	B20	Counter 2 Input Z: 24 VDC																																																																																	
A19	Counter 2 Input Z: Line Driver -/0 V	B19	Counter 2 Input Z: Line Driver +																																																																																	
A18	Counter 2 Input B: 12 VDC	B18	Counter 2 Input B: 24 VDC																																																																																	
A17	Counter 2 Input B: Line Driver -/0 V	B17	Counter 2 Input B: Line Driver +																																																																																	
A16	Counter 2 Input A: 12 VDC	B16	Counter 2 Input A: 24 VDC																																																																																	
A15	Counter 2 Input A: Line Driver -/0 V	B15	Counter 2 Input A: Line Driver +																																																																																	
A14	Not used	B14	Not used																																																																																	
A13	Counter 1 Input Z: 5 VDC	B13	Counter 1 Input Z: 24 VDC																																																																																	
A12	Counter 1 Input Z: Line Driver -/0 V	B12	Counter 1 Input Z: Line Driver +																																																																																	
A11	Counter 1 Input B: 5 VDC	B11	Counter 1 Input B: 24 VDC																																																																																	
A10	Counter 1 Input B: Line Driver -/0 V	B10	Counter 1 Input B: Line Driver +																																																																																	
A9	Counter 1 Input A: 5 VDC	B9	Counter 1 Input A: 24 VDC																																																																																	
A8	Counter 1 Input A: Line Driver -/0 V	B8	Counter 1 Input A: Line Driver +																																																																																	
A7	Not used	B7	Not used																																																																																	
A6	External Control Input 1: COM	B6	External Control Input 1: 24 VDC																																																																																	
A5	External Control Input 0: COM	B5	External Control Input 0: 24 VDC																																																																																	
A4	Not used	B4	Not used																																																																																	
A3	External Output 1 (NPN)	B3	External Output 1 (PNP)																																																																																	
A2	External Output 0 (NPN)	B2	External Output 0 (PNP)																																																																																	
A1	External Output COM: 0 V	B1	External output power supply: 12 to 24 VDC																																																																																	

Terminal Block Conversion Cable	Pin assugment and internal wiring																																																																																																																																
CJ1W-CM211-CT	CS1W-CT021 side 																																																																																																																																
	<table><tr><th colspan="4">CN No.2</th><th colspan="4">CN No.1</th></tr><tr><th>Pin No.</th><th>Designation</th><th>Pin No.</th><th>Designation</th><th>Pin No.</th><th>Designation</th><th>Pin No.</th><th>Designation</th></tr><tr><td>A1</td><td>External Output COM: 0 V</td><td>B1</td><td>External output power supply: 12 to 24 VDC</td><td>A1</td><td>External Output COM: 0 V</td><td>B1</td><td>External output power supply: 12 to 24 VDC</td></tr><tr><td>A2</td><td>External Output 2 (NPN)</td><td>B2</td><td>External Output 2 (PNP)</td><td>A2</td><td>External Output 0 (NPN)</td><td>B2</td><td>External Output 0 (PNP)</td></tr><tr><td>A3</td><td>External Output 3 (NPN)</td><td>B3</td><td>External Output 3 (PNP)</td><td>A3</td><td>External Output 1 (NPN)</td><td>B3</td><td>External Output 1 (PNP)</td></tr><tr><td>A4</td><td>Not used</td><td>B4</td><td>Not used</td><td>A4</td><td>Not used</td><td>B4</td><td>Not used</td></tr><tr><td>A5</td><td>External Control Input 2: COM</td><td>B5</td><td>External Control Input 2: 24 VDC</td><td>A5</td><td>External Control Input 0: COM</td><td>B5</td><td>External Control Input 0: 24 VDC</td></tr><tr><td>A6</td><td>External Control Input 3: COM</td><td>B6</td><td>External Control Input 3: 24 VDC</td><td>A6</td><td>External Control Input 1: COM</td><td>B6</td><td>External Control Input 1: 24 VDC</td></tr><tr><td>A7</td><td>Not used</td><td>B7</td><td>Not used</td><td>A7</td><td>Not used</td><td>B7</td><td>Not used</td></tr><tr><td>A8</td><td>Counter 2 Input A: Line Driver -/0 V</td><td>B8</td><td>Counter 2 Input A: Line Driver +</td><td>A8</td><td>Counter 1 Input A: Line Driver -/0 V</td><td>B8</td><td>Counter 1 Input A: Line Driver +</td></tr><tr><td>A9</td><td>Counter 2 Input A: 12 VDC</td><td>B9</td><td>Counter 2 Input A: 24 VDC</td><td>A9</td><td>Counter 1 Input A: 5 VDC</td><td>B9</td><td>Counter 1 Input A: 24 VDC</td></tr><tr><td>A10</td><td>Counter 2 Input B: Line Driver -/0 V</td><td>B10</td><td>Counter 2 Input B: Line Driver +</td><td>A10</td><td>Counter 1 Input B: Line Driver -/0 V</td><td>B10</td><td>Counter 1 Input B: Line Driver +</td></tr><tr><td>A11</td><td>Counter 2 Input B: 12 VDC</td><td>B11</td><td>Counter 2 Input B: 24 VDC</td><td>A11</td><td>Counter 1 Input B: 5 VDC</td><td>B11</td><td>Counter 1 Input B: 24 VDC</td></tr><tr><td>A12</td><td>Counter 2 Input Z: Line Driver -/0 V</td><td>B12</td><td>Counter 2 Input Z: Line Driver +</td><td>A12</td><td>Counter 1 Input Z: Line Driver -/0 V</td><td>B12</td><td>Counter 1 Input Z: Line Driver +</td></tr><tr><td>A13</td><td>Counter 2 Input Z: 12 VDC</td><td>B13</td><td>Counter 2 Input Z: 24 VDC</td><td>A13</td><td>Counter 1 Input Z: 5 VDC</td><td>B13</td><td>Counter 1 Input Z: 24 VDC</td></tr><tr><td>A14</td><td>Not used</td><td>B14</td><td>Not used</td><td>A14</td><td>Not used</td><td>B14</td><td>Not used</td></tr></table>	CN No.2				CN No.1				Pin No.	Designation	Pin No.	Designation	Pin No.	Designation	Pin No.	Designation	A1	External Output COM: 0 V	B1	External output power supply: 12 to 24 VDC	A1	External Output COM: 0 V	B1	External output power supply: 12 to 24 VDC	A2	External Output 2 (NPN)	B2	External Output 2 (PNP)	A2	External Output 0 (NPN)	B2	External Output 0 (PNP)	A3	External Output 3 (NPN)	B3	External Output 3 (PNP)	A3	External Output 1 (NPN)	B3	External Output 1 (PNP)	A4	Not used	B4	Not used	A4	Not used	B4	Not used	A5	External Control Input 2: COM	B5	External Control Input 2: 24 VDC	A5	External Control Input 0: COM	B5	External Control Input 0: 24 VDC	A6	External Control Input 3: COM	B6	External Control Input 3: 24 VDC	A6	External Control Input 1: COM	B6	External Control Input 1: 24 VDC	A7	Not used	B7	Not used	A7	Not used	B7	Not used	A8	Counter 2 Input A: Line Driver -/0 V	B8	Counter 2 Input A: Line Driver +	A8	Counter 1 Input A: Line Driver -/0 V	B8	Counter 1 Input A: Line Driver +	A9	Counter 2 Input A: 12 VDC	B9	Counter 2 Input A: 24 VDC	A9	Counter 1 Input A: 5 VDC	B9	Counter 1 Input A: 24 VDC	A10	Counter 2 Input B: Line Driver -/0 V	B10	Counter 2 Input B: Line Driver +	A10	Counter 1 Input B: Line Driver -/0 V	B10	Counter 1 Input B: Line Driver +	A11	Counter 2 Input B: 12 VDC	B11	Counter 2 Input B: 24 VDC	A11	Counter 1 Input B: 5 VDC	B11	Counter 1 Input B: 24 VDC	A12	Counter 2 Input Z: Line Driver -/0 V	B12	Counter 2 Input Z: Line Driver +	A12	Counter 1 Input Z: Line Driver -/0 V	B12	Counter 1 Input Z: Line Driver +	A13	Counter 2 Input Z: 12 VDC	B13	Counter 2 Input Z: 24 VDC	A13	Counter 1 Input Z: 5 VDC	B13	Counter 1 Input Z: 24 VDC	A14	Not used	B14	Not used	A14	Not used	B14	Not used
	CN No.2				CN No.1																																																																																																																												
	Pin No.	Designation	Pin No.	Designation	Pin No.	Designation	Pin No.	Designation																																																																																																																									
	A1	External Output COM: 0 V	B1	External output power supply: 12 to 24 VDC	A1	External Output COM: 0 V	B1	External output power supply: 12 to 24 VDC																																																																																																																									
	A2	External Output 2 (NPN)	B2	External Output 2 (PNP)	A2	External Output 0 (NPN)	B2	External Output 0 (PNP)																																																																																																																									
	A3	External Output 3 (NPN)	B3	External Output 3 (PNP)	A3	External Output 1 (NPN)	B3	External Output 1 (PNP)																																																																																																																									
	A4	Not used	B4	Not used	A4	Not used	B4	Not used																																																																																																																									
	A5	External Control Input 2: COM	B5	External Control Input 2: 24 VDC	A5	External Control Input 0: COM	B5	External Control Input 0: 24 VDC																																																																																																																									
	A6	External Control Input 3: COM	B6	External Control Input 3: 24 VDC	A6	External Control Input 1: COM	B6	External Control Input 1: 24 VDC																																																																																																																									
	A7	Not used	B7	Not used	A7	Not used	B7	Not used																																																																																																																									
	A8	Counter 2 Input A: Line Driver -/0 V	B8	Counter 2 Input A: Line Driver +	A8	Counter 1 Input A: Line Driver -/0 V	B8	Counter 1 Input A: Line Driver +																																																																																																																									
	A9	Counter 2 Input A: 12 VDC	B9	Counter 2 Input A: 24 VDC	A9	Counter 1 Input A: 5 VDC	B9	Counter 1 Input A: 24 VDC																																																																																																																									
	A10	Counter 2 Input B: Line Driver -/0 V	B10	Counter 2 Input B: Line Driver +	A10	Counter 1 Input B: Line Driver -/0 V	B10	Counter 1 Input B: Line Driver +																																																																																																																									
	A11	Counter 2 Input B: 12 VDC	B11	Counter 2 Input B: 24 VDC	A11	Counter 1 Input B: 5 VDC	B11	Counter 1 Input B: 24 VDC																																																																																																																									
A12	Counter 2 Input Z: Line Driver -/0 V	B12	Counter 2 Input Z: Line Driver +	A12	Counter 1 Input Z: Line Driver -/0 V	B12	Counter 1 Input Z: Line Driver +																																																																																																																										
A13	Counter 2 Input Z: 12 VDC	B13	Counter 2 Input Z: 24 VDC	A13	Counter 1 Input Z: 5 VDC	B13	Counter 1 Input Z: 24 VDC																																																																																																																										
A14	Not used	B14	Not used	A14	Not used	B14	Not used																																																																																																																										

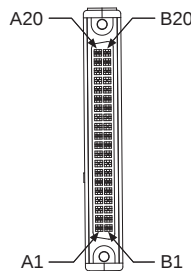
Terminal Block Conversion Cable	Pin assugment and internal wiring																																																																																																																																																																															
CJ1W-CM212-CT	CJ1W-CT021 side 																																																																																																																																																																															
	<table><tr><th colspan="4">Unit No.2</th><th colspan="4">Unit No.1</th></tr><tr><th>Pin No.</th><th>Designation</th><th>Pin No.</th><th>Designation</th><th>Pin No.</th><th>Designation</th><th>Pin No.</th><th>Designation</th></tr><tr><td>A20</td><td>Counter 4 Input Z: 12 VDC</td><td>B20</td><td>Counter 4 Input Z: 24 VDC</td><td>A20</td><td>Counter 2 Input Z: 12 VDC</td><td>B20</td><td>Counter 2 Input Z: 24 VDC</td></tr><tr><td>A19</td><td>Counter 4 Input Z: Line Driver -/0 V</td><td>B19</td><td>Counter 4 Input Z: Line Driver +</td><td>A19</td><td>Counter 2 Input Z: Line Driver -/0 V</td><td>B19</td><td>Counter 2 Input Z: Line Driver +</td></tr><tr><td>A18</td><td>Counter 4 Input B: 12 VDC</td><td>B18</td><td>Counter 4 Input B: 24 VDC</td><td>A18</td><td>Counter 2 Input B: 12 VDC</td><td>B18</td><td>Counter 2 Input B: 24 VDC</td></tr><tr><td>A17</td><td>Counter 4 Input B: Line Driver -/0 V</td><td>B17</td><td>Counter 4 Input B: Line Driver +</td><td>A17</td><td>Counter 2 Input B: Line Driver -/0 V</td><td>B17</td><td>Counter 2 Input B: Line Driver +</td></tr><tr><td>A16</td><td>Counter 4 Input A: 12 VDC</td><td>B16</td><td>Counter 4 Input A: 24 VDC</td><td>A16</td><td>Counter 2 Input A: 12 VDC</td><td>B16</td><td>Counter 2 Input A: 24 VDC</td></tr><tr><td>A15</td><td>Counter 4 Input A: Line Driver -/0 V</td><td>B15</td><td>Counter 4 Input A: Line Driver +</td><td>A15</td><td>Counter 2 Input A: Line Driver -/0 V</td><td>B15</td><td>Counter 2 Input A: Line Driver +</td></tr><tr><td>A14</td><td>Not used</td><td>B14</td><td>Not used</td><td>A14</td><td>Not used</td><td>B14</td><td>Not used</td></tr><tr><td>A13</td><td>Counter 3 Input Z: 5 VDC</td><td>B13</td><td>Counter 3 Input Z: 24 VDC</td><td>A13</td><td>Counter 1 Input Z: 5 VDC</td><td>B13</td><td>Counter 1 Input Z: 24 VDC</td></tr><tr><td>A12</td><td>Counter 3 Input Z: Line Driver -/0 V</td><td>B12</td><td>Counter 3 Input Z: Line Driver +</td><td>A12</td><td>Counter 1 Input Z: Line Driver -/0 V</td><td>B12</td><td>Counter 1 Input Z: Line Driver +</td></tr><tr><td>A11</td><td>Counter 3 Input B: 5 VDC</td><td>B11</td><td>Counter 3 Input B: 24 VDC</td><td>A11</td><td>Counter 1 Input B: 5 VDC</td><td>B11</td><td>Counter 1 Input B: 24 VDC</td></tr><tr><td>A10</td><td>Counter 3 Input B: Line Driver -/0 V</td><td>B10</td><td>Counter 3 Input B: Line Driver +</td><td>A10</td><td>Counter 1 Input B: Line Driver -/0 V</td><td>B10</td><td>Counter 1 Input B: Line Driver +</td></tr><tr><td>A9</td><td>Counter 3 Input A: 5 VDC</td><td>B9</td><td>Counter 3 Input A: 24 VDC</td><td>A9</td><td>Counter 1 Input A: 5 VDC</td><td>B9</td><td>Counter 1 Input A: 24 VDC</td></tr><tr><td>A8</td><td>Counter 3 Input A: Line Driver -/0 V</td><td>B8</td><td>Counter 3 Input A: Line Driver +</td><td>A8</td><td>Counter 1 Input A: Line Driver -/0 V</td><td>B8</td><td>Counter 1 Input A: Line Driver +</td></tr><tr><td>A7</td><td>Not used</td><td>B7</td><td>Not used</td><td>A7</td><td>Not used</td><td>B7</td><td>Not used</td></tr><tr><td>A6</td><td>External Control Input 3: COM</td><td>B6</td><td>External Control Input 3: 24 VDC</td><td>A6</td><td>External Control Input 1: COM</td><td>B6</td><td>External Control Input 1: 24 VDC</td></tr><tr><td>A5</td><td>External Control Input 2: COM</td><td>B5</td><td>External Control Input 2: 24 VDC</td><td>A5</td><td>External Control Input 0: COM</td><td>B5</td><td>External Control Input 0: 24 VDC</td></tr><tr><td>A4</td><td>Not used</td><td>B4</td><td>Not used</td><td>A4</td><td>Not used</td><td>B4</td><td>Not used</td></tr><tr><td>A3</td><td>External Output 3 (NPN)</td><td>B3</td><td>External Output 3 (PNP)</td><td>A3</td><td>External Output 1 (NPN)</td><td>B3</td><td>External Output 1 (PNP)</td></tr><tr><td>A2</td><td>External Output 2 (NPN)</td><td>B2</td><td>External Output 2 (PNP)</td><td>A2</td><td>External Output 0 (NPN)</td><td>B2</td><td>External Output 0 (PNP)</td></tr><tr><td>A1</td><td>External Output COM: 0 V</td><td>B1</td><td>External output power supply: 12 to 24 VDC</td><td>A1</td><td>External Output COM: 0 V</td><td>B1</td><td>External output power supply: 12 to 24 VDC</td></tr></table>	Unit No.2				Unit No.1				Pin No.	Designation	Pin No.	Designation	Pin No.	Designation	Pin No.	Designation	A20	Counter 4 Input Z: 12 VDC	B20	Counter 4 Input Z: 24 VDC	A20	Counter 2 Input Z: 12 VDC	B20	Counter 2 Input Z: 24 VDC	A19	Counter 4 Input Z: Line Driver -/0 V	B19	Counter 4 Input Z: Line Driver +	A19	Counter 2 Input Z: Line Driver -/0 V	B19	Counter 2 Input Z: Line Driver +	A18	Counter 4 Input B: 12 VDC	B18	Counter 4 Input B: 24 VDC	A18	Counter 2 Input B: 12 VDC	B18	Counter 2 Input B: 24 VDC	A17	Counter 4 Input B: Line Driver -/0 V	B17	Counter 4 Input B: Line Driver +	A17	Counter 2 Input B: Line Driver -/0 V	B17	Counter 2 Input B: Line Driver +	A16	Counter 4 Input A: 12 VDC	B16	Counter 4 Input A: 24 VDC	A16	Counter 2 Input A: 12 VDC	B16	Counter 2 Input A: 24 VDC	A15	Counter 4 Input A: Line Driver -/0 V	B15	Counter 4 Input A: Line Driver +	A15	Counter 2 Input A: Line Driver -/0 V	B15	Counter 2 Input A: Line Driver +	A14	Not used	B14	Not used	A14	Not used	B14	Not used	A13	Counter 3 Input Z: 5 VDC	B13	Counter 3 Input Z: 24 VDC	A13	Counter 1 Input Z: 5 VDC	B13	Counter 1 Input Z: 24 VDC	A12	Counter 3 Input Z: Line Driver -/0 V	B12	Counter 3 Input Z: Line Driver +	A12	Counter 1 Input Z: Line Driver -/0 V	B12	Counter 1 Input Z: Line Driver +	A11	Counter 3 Input B: 5 VDC	B11	Counter 3 Input B: 24 VDC	A11	Counter 1 Input B: 5 VDC	B11	Counter 1 Input B: 24 VDC	A10	Counter 3 Input B: Line Driver -/0 V	B10	Counter 3 Input B: Line Driver +	A10	Counter 1 Input B: Line Driver -/0 V	B10	Counter 1 Input B: Line Driver +	A9	Counter 3 Input A: 5 VDC	B9	Counter 3 Input A: 24 VDC	A9	Counter 1 Input A: 5 VDC	B9	Counter 1 Input A: 24 VDC	A8	Counter 3 Input A: Line Driver -/0 V	B8	Counter 3 Input A: Line Driver +	A8	Counter 1 Input A: Line Driver -/0 V	B8	Counter 1 Input A: Line Driver +	A7	Not used	B7	Not used	A7	Not used	B7	Not used	A6	External Control Input 3: COM	B6	External Control Input 3: 24 VDC	A6	External Control Input 1: COM	B6	External Control Input 1: 24 VDC	A5	External Control Input 2: COM	B5	External Control Input 2: 24 VDC	A5	External Control Input 0: COM	B5	External Control Input 0: 24 VDC	A4	Not used	B4	Not used	A4	Not used	B4	Not used	A3	External Output 3 (NPN)	B3	External Output 3 (PNP)	A3	External Output 1 (NPN)	B3	External Output 1 (PNP)	A2	External Output 2 (NPN)	B2	External Output 2 (PNP)	A2	External Output 0 (NPN)	B2	External Output 0 (PNP)	A1	External Output COM: 0 V	B1	External output power supply: 12 to 24 VDC	A1	External Output COM: 0 V	B1
Unit No.2				Unit No.1																																																																																																																																																																												
Pin No.	Designation	Pin No.	Designation	Pin No.	Designation	Pin No.	Designation																																																																																																																																																																									
A20	Counter 4 Input Z: 12 VDC	B20	Counter 4 Input Z: 24 VDC	A20	Counter 2 Input Z: 12 VDC	B20	Counter 2 Input Z: 24 VDC																																																																																																																																																																									
A19	Counter 4 Input Z: Line Driver -/0 V	B19	Counter 4 Input Z: Line Driver +	A19	Counter 2 Input Z: Line Driver -/0 V	B19	Counter 2 Input Z: Line Driver +																																																																																																																																																																									
A18	Counter 4 Input B: 12 VDC	B18	Counter 4 Input B: 24 VDC	A18	Counter 2 Input B: 12 VDC	B18	Counter 2 Input B: 24 VDC																																																																																																																																																																									
A17	Counter 4 Input B: Line Driver -/0 V	B17	Counter 4 Input B: Line Driver +	A17	Counter 2 Input B: Line Driver -/0 V	B17	Counter 2 Input B: Line Driver +																																																																																																																																																																									
A16	Counter 4 Input A: 12 VDC	B16	Counter 4 Input A: 24 VDC	A16	Counter 2 Input A: 12 VDC	B16	Counter 2 Input A: 24 VDC																																																																																																																																																																									
A15	Counter 4 Input A: Line Driver -/0 V	B15	Counter 4 Input A: Line Driver +	A15	Counter 2 Input A: Line Driver -/0 V	B15	Counter 2 Input A: Line Driver +																																																																																																																																																																									
A14	Not used	B14	Not used	A14	Not used	B14	Not used																																																																																																																																																																									
A13	Counter 3 Input Z: 5 VDC	B13	Counter 3 Input Z: 24 VDC	A13	Counter 1 Input Z: 5 VDC	B13	Counter 1 Input Z: 24 VDC																																																																																																																																																																									
A12	Counter 3 Input Z: Line Driver -/0 V	B12	Counter 3 Input Z: Line Driver +	A12	Counter 1 Input Z: Line Driver -/0 V	B12	Counter 1 Input Z: Line Driver +																																																																																																																																																																									
A11	Counter 3 Input B: 5 VDC	B11	Counter 3 Input B: 24 VDC	A11	Counter 1 Input B: 5 VDC	B11	Counter 1 Input B: 24 VDC																																																																																																																																																																									
A10	Counter 3 Input B: Line Driver -/0 V	B10	Counter 3 Input B: Line Driver +	A10	Counter 1 Input B: Line Driver -/0 V	B10	Counter 1 Input B: Line Driver +																																																																																																																																																																									
A9	Counter 3 Input A: 5 VDC	B9	Counter 3 Input A: 24 VDC	A9	Counter 1 Input A: 5 VDC	B9	Counter 1 Input A: 24 VDC																																																																																																																																																																									
A8	Counter 3 Input A: Line Driver -/0 V	B8	Counter 3 Input A: Line Driver +	A8	Counter 1 Input A: Line Driver -/0 V	B8	Counter 1 Input A: Line Driver +																																																																																																																																																																									
A7	Not used	B7	Not used	A7	Not used	B7	Not used																																																																																																																																																																									
A6	External Control Input 3: COM	B6	External Control Input 3: 24 VDC	A6	External Control Input 1: COM	B6	External Control Input 1: 24 VDC																																																																																																																																																																									
A5	External Control Input 2: COM	B5	External Control Input 2: 24 VDC	A5	External Control Input 0: COM	B5	External Control Input 0: 24 VDC																																																																																																																																																																									
A4	Not used	B4	Not used	A4	Not used	B4	Not used																																																																																																																																																																									
A3	External Output 3 (NPN)	B3	External Output 3 (PNP)	A3	External Output 1 (NPN)	B3	External Output 1 (PNP)																																																																																																																																																																									
A2	External Output 2 (NPN)	B2	External Output 2 (PNP)	A2	External Output 0 (NPN)	B2	External Output 0 (PNP)																																																																																																																																																																									
A1	External Output COM: 0 V	B1	External output power supply: 12 to 24 VDC	A1	External Output COM: 0 V	B1	External output power supply: 12 to 24 VDC																																																																																																																																																																									

Terminal Block Conversion Cable	Pin assugment and internal wiring																																																																																																																																																																																			
CJ1W-CM212-CT	CS1W-CT041 side																																																																																																																																																																																			
																																																																																																																																																																																				
	<table><thead><tr><th colspan="4">CN No.2</th><th colspan="4">CN No.1</th></tr><tr><th>Pin No.</th><th>Designation</th><th>Pin No.</th><th>Designation</th><th>Pin No.</th><th>Designation</th><th>Pin No.</th><th>Designation</th></tr></thead><tbody><tr><td>A1</td><td>External Output COM: 0 V</td><td>B1</td><td>External output power supply: 12 to 24 VDC</td><td>A1</td><td>External Output COM: 0 V</td><td>B1</td><td>External output power supply: 12 to 24 VDC</td></tr><tr><td>A2</td><td>External Output 2 (NPN)</td><td>B2</td><td>External Output 2 (PNP)</td><td>A2</td><td>External Output 0 (NPN)</td><td>B2</td><td>External Output 0 (PNP)</td></tr><tr><td>A3</td><td>External Output 3 (NPN)</td><td>B3</td><td>External Output 3 (PNP)</td><td>A3</td><td>External Output 1 (NPN)</td><td>B3</td><td>External Output 1 (PNP)</td></tr><tr><td>A4</td><td>Not used</td><td>B4</td><td>Not used</td><td>A4</td><td>Not used</td><td>B4</td><td>Not used</td></tr><tr><td>A5</td><td>External Control Input 2: COM</td><td>B5</td><td>External Control Input 2: 24 VDC</td><td>A5</td><td>External Control Input 0: COM</td><td>B5</td><td>External Control Input 0: 24 VDC</td></tr><tr><td>A6</td><td>External Control Input 3: COM</td><td>B6</td><td>External Control Input 3: 24 VDC</td><td>A6</td><td>External Control Input 1: COM</td><td>B6</td><td>External Control Input 1: 24 VDC</td></tr><tr><td>A7</td><td>Not used</td><td>B7</td><td>Not used</td><td>A7</td><td>Not used</td><td>B7</td><td>Not used</td></tr><tr><td>A8</td><td>Counter 2 Input A: Line Driver -/0 V</td><td>B8</td><td>Counter 2 Input A: Line Driver +</td><td>A8</td><td>Counter 1 Input A: Line Driver -/0 V</td><td>B8</td><td>Counter 1 Input A: Line Driver +</td></tr><tr><td>A9</td><td>Counter 2 Input A: 12 VDC</td><td>B9</td><td>Counter 2 Input A: 24 VDC</td><td>A9</td><td>Counter 1 Input A: 5 VDC</td><td>B9</td><td>Counter 1 Input A: 24 VDC</td></tr><tr><td>A10</td><td>Counter 2 Input B: Line Driver -/0 V</td><td>B10</td><td>Counter 2 Input B: Line Driver +</td><td>A10</td><td>Counter 1 Input B: Line Driver -/0 V</td><td>B10</td><td>Counter 1 Input B: Line Driver +</td></tr><tr><td>A11</td><td>Counter 2 Input B: 12 VDC</td><td>B11</td><td>Counter 2 Input B: 24 VDC</td><td>A11</td><td>Counter 1 Input B: 5 VDC</td><td>B11</td><td>Counter 1 Input B: 24 VDC</td></tr><tr><td>A12</td><td>Counter 2 Input Z: Line Driver -/0 V</td><td>B12</td><td>Counter 2 Input Z: Line Driver +</td><td>A12</td><td>Counter 1 Input Z: Line Driver -/0 V</td><td>B12</td><td>Counter 1 Input Z: Line Driver +</td></tr><tr><td>A13</td><td>Counter 2 Input Z: 12 VDC</td><td>B13</td><td>Counter 2 Input Z: 24 VDC</td><td>A13</td><td>Counter 1 Input Z: 5 VDC</td><td>B13</td><td>Counter 1 Input Z: 24 VDC</td></tr><tr><td>A14</td><td>Not used</td><td>B14</td><td>Not used</td><td>A14</td><td>Not used</td><td>B14</td><td>Not used</td></tr><tr><td>A15</td><td>Counter 4 Input A: Line Driver -/0 V</td><td>B15</td><td>Counter 4 Input A: Line Driver +</td><td>A15</td><td>Counter 3 Input A: Line Driver -/0 V</td><td>B15</td><td>Counter 3 Input A: Line Driver +</td></tr><tr><td>A16</td><td>Counter 4 Input A: 12 VDC</td><td>B16</td><td>Counter 4 Input A: 24 VDC</td><td>A16</td><td>Counter 3 Input A: 5 VDC</td><td>B16</td><td>Counter 3 Input A: 24 VDC</td></tr><tr><td>A17</td><td>Counter 4 Input B: Line Driver -/0 V</td><td>B17</td><td>Counter 4 Input B: Line Driver +</td><td>A17</td><td>Counter 3 Input B: Line Driver -/0 V</td><td>B17</td><td>Counter 3 Input B: Line Driver +</td></tr><tr><td>A18</td><td>Counter 4 Input B: 12 VDC</td><td>B18</td><td>Counter 4 Input B: 24 VDC</td><td>A18</td><td>Counter 3 Input B: 5 VDC</td><td>B18</td><td>Counter 3 Input B: 24 VDC</td></tr><tr><td>A19</td><td>Counter 4 Input Z: Line Driver -/0 V</td><td>B19</td><td>Counter 4 Input Z: Line Driver +</td><td>A19</td><td>Counter 3 Input Z: Line Driver -/0 V</td><td>B19</td><td>Counter 3 Input Z: Line Driver +</td></tr><tr><td>A20</td><td>Counter 4 Input Z: 12 VDC</td><td>B20</td><td>Counter 4 Input Z: 24 VDC</td><td>A20</td><td>Counter 3 Input Z: 5 VDC</td><td>B20</td><td>Counter 3 Input Z: 24 VDC</td></tr></tbody></table>				CN No.2				CN No.1				Pin No.	Designation	Pin No.	Designation	Pin No.	Designation	Pin No.	Designation	A1	External Output COM: 0 V	B1	External output power supply: 12 to 24 VDC	A1	External Output COM: 0 V	B1	External output power supply: 12 to 24 VDC	A2	External Output 2 (NPN)	B2	External Output 2 (PNP)	A2	External Output 0 (NPN)	B2	External Output 0 (PNP)	A3	External Output 3 (NPN)	B3	External Output 3 (PNP)	A3	External Output 1 (NPN)	B3	External Output 1 (PNP)	A4	Not used	B4	Not used	A4	Not used	B4	Not used	A5	External Control Input 2: COM	B5	External Control Input 2: 24 VDC	A5	External Control Input 0: COM	B5	External Control Input 0: 24 VDC	A6	External Control Input 3: COM	B6	External Control Input 3: 24 VDC	A6	External Control Input 1: COM	B6	External Control Input 1: 24 VDC	A7	Not used	B7	Not used	A7	Not used	B7	Not used	A8	Counter 2 Input A: Line Driver -/0 V	B8	Counter 2 Input A: Line Driver +	A8	Counter 1 Input A: Line Driver -/0 V	B8	Counter 1 Input A: Line Driver +	A9	Counter 2 Input A: 12 VDC	B9	Counter 2 Input A: 24 VDC	A9	Counter 1 Input A: 5 VDC	B9	Counter 1 Input A: 24 VDC	A10	Counter 2 Input B: Line Driver -/0 V	B10	Counter 2 Input B: Line Driver +	A10	Counter 1 Input B: Line Driver -/0 V	B10	Counter 1 Input B: Line Driver +	A11	Counter 2 Input B: 12 VDC	B11	Counter 2 Input B: 24 VDC	A11	Counter 1 Input B: 5 VDC	B11	Counter 1 Input B: 24 VDC	A12	Counter 2 Input Z: Line Driver -/0 V	B12	Counter 2 Input Z: Line Driver +	A12	Counter 1 Input Z: Line Driver -/0 V	B12	Counter 1 Input Z: Line Driver +	A13	Counter 2 Input Z: 12 VDC	B13	Counter 2 Input Z: 24 VDC	A13	Counter 1 Input Z: 5 VDC	B13	Counter 1 Input Z: 24 VDC	A14	Not used	B14	Not used	A14	Not used	B14	Not used	A15	Counter 4 Input A: Line Driver -/0 V	B15	Counter 4 Input A: Line Driver +	A15	Counter 3 Input A: Line Driver -/0 V	B15	Counter 3 Input A: Line Driver +	A16	Counter 4 Input A: 12 VDC	B16	Counter 4 Input A: 24 VDC	A16	Counter 3 Input A: 5 VDC	B16	Counter 3 Input A: 24 VDC	A17	Counter 4 Input B: Line Driver -/0 V	B17	Counter 4 Input B: Line Driver +	A17	Counter 3 Input B: Line Driver -/0 V	B17	Counter 3 Input B: Line Driver +	A18	Counter 4 Input B: 12 VDC	B18	Counter 4 Input B: 24 VDC	A18	Counter 3 Input B: 5 VDC	B18	Counter 3 Input B: 24 VDC	A19	Counter 4 Input Z: Line Driver -/0 V	B19	Counter 4 Input Z: Line Driver +	A19	Counter 3 Input Z: Line Driver -/0 V	B19	Counter 3 Input Z: Line Driver +	A20	Counter 4 Input Z: 12 VDC	B20	Counter 4 Input Z: 24 VDC	A20	Counter 3 Input Z: 5 VDC	B20	Counter 3 Input Z: 24 VDC
	CN No.2				CN No.1																																																																																																																																																																															
	Pin No.	Designation	Pin No.	Designation	Pin No.	Designation	Pin No.	Designation																																																																																																																																																																												
	A1	External Output COM: 0 V	B1	External output power supply: 12 to 24 VDC	A1	External Output COM: 0 V	B1	External output power supply: 12 to 24 VDC																																																																																																																																																																												
	A2	External Output 2 (NPN)	B2	External Output 2 (PNP)	A2	External Output 0 (NPN)	B2	External Output 0 (PNP)																																																																																																																																																																												
	A3	External Output 3 (NPN)	B3	External Output 3 (PNP)	A3	External Output 1 (NPN)	B3	External Output 1 (PNP)																																																																																																																																																																												
	A4	Not used	B4	Not used	A4	Not used	B4	Not used																																																																																																																																																																												
	A5	External Control Input 2: COM	B5	External Control Input 2: 24 VDC	A5	External Control Input 0: COM	B5	External Control Input 0: 24 VDC																																																																																																																																																																												
	A6	External Control Input 3: COM	B6	External Control Input 3: 24 VDC	A6	External Control Input 1: COM	B6	External Control Input 1: 24 VDC																																																																																																																																																																												
	A7	Not used	B7	Not used	A7	Not used	B7	Not used																																																																																																																																																																												
	A8	Counter 2 Input A: Line Driver -/0 V	B8	Counter 2 Input A: Line Driver +	A8	Counter 1 Input A: Line Driver -/0 V	B8	Counter 1 Input A: Line Driver +																																																																																																																																																																												
	A9	Counter 2 Input A: 12 VDC	B9	Counter 2 Input A: 24 VDC	A9	Counter 1 Input A: 5 VDC	B9	Counter 1 Input A: 24 VDC																																																																																																																																																																												
	A10	Counter 2 Input B: Line Driver -/0 V	B10	Counter 2 Input B: Line Driver +	A10	Counter 1 Input B: Line Driver -/0 V	B10	Counter 1 Input B: Line Driver +																																																																																																																																																																												
	A11	Counter 2 Input B: 12 VDC	B11	Counter 2 Input B: 24 VDC	A11	Counter 1 Input B: 5 VDC	B11	Counter 1 Input B: 24 VDC																																																																																																																																																																												
	A12	Counter 2 Input Z: Line Driver -/0 V	B12	Counter 2 Input Z: Line Driver +	A12	Counter 1 Input Z: Line Driver -/0 V	B12	Counter 1 Input Z: Line Driver +																																																																																																																																																																												
	A13	Counter 2 Input Z: 12 VDC	B13	Counter 2 Input Z: 24 VDC	A13	Counter 1 Input Z: 5 VDC	B13	Counter 1 Input Z: 24 VDC																																																																																																																																																																												
	A14	Not used	B14	Not used	A14	Not used	B14	Not used																																																																																																																																																																												
	A15	Counter 4 Input A: Line Driver -/0 V	B15	Counter 4 Input A: Line Driver +	A15	Counter 3 Input A: Line Driver -/0 V	B15	Counter 3 Input A: Line Driver +																																																																																																																																																																												
	A16	Counter 4 Input A: 12 VDC	B16	Counter 4 Input A: 24 VDC	A16	Counter 3 Input A: 5 VDC	B16	Counter 3 Input A: 24 VDC																																																																																																																																																																												
	A17	Counter 4 Input B: Line Driver -/0 V	B17	Counter 4 Input B: Line Driver +	A17	Counter 3 Input B: Line Driver -/0 V	B17	Counter 3 Input B: Line Driver +																																																																																																																																																																												
	A18	Counter 4 Input B: 12 VDC	B18	Counter 4 Input B: 24 VDC	A18	Counter 3 Input B: 5 VDC	B18	Counter 3 Input B: 24 VDC																																																																																																																																																																												
	A19	Counter 4 Input Z: Line Driver -/0 V	B19	Counter 4 Input Z: Line Driver +	A19	Counter 3 Input Z: Line Driver -/0 V	B19	Counter 3 Input Z: Line Driver +																																																																																																																																																																												
	A20	Counter 4 Input Z: 12 VDC	B20	Counter 4 Input Z: 24 VDC	A20	Counter 3 Input Z: 5 VDC	B20	Counter 3 Input Z: 24 VDC																																																																																																																																																																												

Terminal Block
Conversion Cable

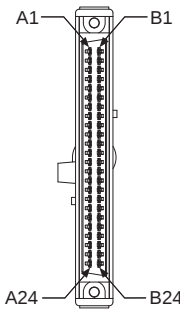
Pin assugment and internal wiring

CJ1W-NC side



Connector pin arrangement for X and Z axe			Connector pin arrangement for Y and U axes		
Pin No.	I/O	Designation	Pin No.	I/O	Designation
A1	IN	Power supply, 24 VDC (for output signals)	B1	IN	Power supply, 24 VDC (for output signals)
A2	IN	GND, 24 VDC (for output signals)	B2	IN	GND, 24 VDC (for output signals)
A3	---	Open Collector Output: Not used	B3	---	Open Collector Output: Not used
	IN	Line Driver Output: GND, 5 VDC (for pulse output)		IN	Line Driver Output: GND, 5 VDC (for pulse output)
A4	---	Open Collector Output: Not used	B4	---	Open Collector Output: Not used
	IN	Line Driver Output: Power supply, 5 VDC (for pulse output)		IN	Line Driver Output: Power supply, 5 VDC (for pulse output)
A5	OUT	Open Collector Output: CW pulse output	B5	OUT	Open Collector Output: CW pulse output
		Line Driver Output: CW pulse output (+)			Line Driver Output: CW pulse output (+)
A6	OUT	Open Collector Output: CW pulse output with 1.6 kΩ resistance	B6	OUT	Open Collector Output: CW pulse output with 1.6 kΩ resistance
		Line Driver Output: CW pulse output (-)			Line Driver Output: CW pulse output (-)
A7	OUT	Open Collector Output: CCW pulse/direction output	B7	OUT	Open Collector Output: CCW pulse/direction output
		Line Driver Output: CCW pulse/direction output (+)			Line Driver Output: CCW pulse/direction output (+)
A8	OUT	Open Collector Output: CCW pulse/direction output with 1.6 kΩ resistance	B8	OUT	Open Collector Output: CCW pulse/direction output with 1.6 kΩ resistance
		Line Driver Output: CCW pulse/direction output (-)			Line Driver Output: CCW pulse/direction output (-)
A9	OUT	Error counter reset output/origin-adjustment command output	B9	OUT	Error counter reset output/origin-adjustment command output
A10	OUT	Error counter reset output with 1.6 kΩ resistance	B10	OUT	Error counter reset output with 1.6 kΩ resistance
		Origin-adjustment command output with 1.6 kΩ resistance			Origin-adjustment command output with 1.6 kΩ resistance
A11	IN	Positioning completed input signal	B11	IN	Positioning completed input signal
A12	IN	Origin common	B12	IN	Origin common
A13	IN	Origin input signal (24 V)	B13	IN	Origin input signal (24 V)
A14	IN	Origin input signal (5 V)	B14	IN	Origin input signal (5 V)
A15	IN	Interrupt input signal	B15	IN	Interrupt input signal
A16	IN	Emergency stop input signal	B16	IN	Emergency stop input signal
A17	IN	Origin proximity input signal	B17	IN	Origin proximity input signal
A18	IN	CW limit input signal	B18	IN	CW limit input signal
A19	IN	CCW limit input signal	B19	IN	CCW limit input signal
A20	IN	Input common	B20	IN	Input common

CJ1W-CM213-NC

Terminal Block Conversion Cable	Pin assugnment and internal wiring																																																																																																																																																																												
CJ1W-CM213-NC	CS1W-NC side																																																																																																																																																																												
																																																																																																																																																																													
	<table><tr><th colspan="3">Connector pin arrangement for X and Z axe</th><th colspan="3">Connector pin arrangement for Y and U axes</th></tr><tr><th>Pin No.</th><th>I/O</th><th>Designation</th><th>Pin No.</th><th>I/O</th><th>Designation</th></tr><tr><td>A1</td><td>IN</td><td>Power supply, 24 VDC (for output signals)</td><td>B1</td><td>IN</td><td>Power supply, 24 VDC (for output signals)</td></tr><tr><td>A2</td><td>IN</td><td>GND, 24 VDC (for output signals)</td><td>B2</td><td>IN</td><td>GND, 24 VDC (for output signals)</td></tr><tr><td rowspan="2">A3</td><td>---</td><td>Open Collector Output: Not used</td><td rowspan="2">B3</td><td>---</td><td>Open Collector Output: Not used</td></tr><tr><td>IN</td><td>Line Driver Output: GND, 5 VDC (for pulse output)</td><td>IN</td><td>Line Driver Output: GND, 5 VDC (for pulse output)</td></tr><tr><td rowspan="2">A4</td><td>---</td><td>Open Collector Output: Not used</td><td rowspan="2">B4</td><td>---</td><td>Open Collector Output: Not used</td></tr><tr><td>IN</td><td>Line Driver Output: Power supply, 5 VDC (for pulse output)</td><td>IN</td><td>Line Driver Output: Power supply, 5 VDC (for pulse output)</td></tr><tr><td rowspan="2">A5</td><td rowspan="2">OUT</td><td>Open Collector Output: CW pulse output</td><td rowspan="2">B5</td><td rowspan="2">OUT</td><td>Open Collector Output: CW pulse output</td></tr><tr><td>Line Driver Output: CW pulse output (+)</td><td>Line Driver Output: CW pulse output (+)</td></tr><tr><td rowspan="2">A6</td><td rowspan="2">OUT</td><td>Open Collector Output: CW pulse output with 1.6 kΩ resistance</td><td rowspan="2">B6</td><td rowspan="2">OUT</td><td>Open Collector Output: CW pulse output with 1.6 kΩ resistance</td></tr><tr><td>Line Driver Output: CW pulse output (–)</td><td>Line Driver Output: CW pulse output (–)</td></tr><tr><td rowspan="2">A7</td><td rowspan="2">OUT</td><td>Open Collector Output: CCW pulse/direction output</td><td rowspan="2">B7</td><td rowspan="2">OUT</td><td>Open Collector Output: CCW pulse/direction output</td></tr><tr><td>Line Driver Output: CCW pulse/direction output (+)</td><td>Line Driver Output: CCW pulse/direction output (+)</td></tr><tr><td rowspan="2">A8</td><td rowspan="2">OUT</td><td>Open Collector Output: CCW pulse/direction output with 1.6 kΩ resistance</td><td rowspan="2">B8</td><td rowspan="2">OUT</td><td>Open Collector Output: CCW pulse/direction output with 1.6 kΩ resistance</td></tr><tr><td>Line Driver Output: CCW pulse/direction output (-)</td><td>Line Driver Output: CCW pulse/direction output (-)</td></tr><tr><td>A9</td><td>---</td><td>Not used</td><td>B9</td><td>---</td><td>Not used</td></tr><tr><td>A10</td><td>OUT</td><td>Error counter reset output/origin-adjustment command output</td><td>B10</td><td>OUT</td><td>Error counter reset output/origin-adjustment command output</td></tr><tr><td>A11</td><td>OUT</td><td>Error counter reset output with 1.6 kΩ resistance Origin-adjustment command output with 1.6 kΩ resistance</td><td>B11</td><td>OUT</td><td>Error counter reset output with 1.6 kΩ resistance Origin-adjustment command output with 1.6 kΩ resistance</td></tr><tr><td>A12</td><td>IN</td><td>Positioning completed input signal</td><td>B12</td><td>IN</td><td>Positioning completed input signal</td></tr><tr><td>A13</td><td>---</td><td>Not used</td><td>B13</td><td>---</td><td>Not used</td></tr><tr><td>A14</td><td>IN</td><td>Origin common</td><td>B14</td><td>IN</td><td>Origin common</td></tr><tr><td>A15</td><td>IN</td><td>Origin input signal (24 V)</td><td>B15</td><td>IN</td><td>Origin input signal (24 V)</td></tr><tr><td>A16</td><td>IN</td><td>Origin input signal (5 V)</td><td>B16</td><td>IN</td><td>Origin input signal (5 V)</td></tr><tr><td>A17</td><td>---</td><td>Not used</td><td>B17</td><td>---</td><td>Not used</td></tr><tr><td>A18</td><td>---</td><td>Not used</td><td>B18</td><td>---</td><td>Not used</td></tr><tr><td>A19</td><td>IN</td><td>Interrupt input signal</td><td>B19</td><td>IN</td><td>Interrupt input signal</td></tr><tr><td>A20</td><td>IN</td><td>Emergency stop input signal</td><td>B20</td><td>IN</td><td>Emergency stop input signal</td></tr><tr><td>A21</td><td>IN</td><td>Origin proximity input signal</td><td>B21</td><td>IN</td><td>Origin proximity input signal</td></tr><tr><td>A22</td><td>IN</td><td>CW limit input signal</td><td>B22</td><td>IN</td><td>CW limit input signal</td></tr><tr><td>A23</td><td>IN</td><td>CCW limit input signal</td><td>B23</td><td>IN</td><td>CCW limit input signal</td></tr><tr><td>A24</td><td>IN</td><td>Input common</td><td>B24</td><td>IN</td><td>Input common</td></tr></table>	Connector pin arrangement for X and Z axe			Connector pin arrangement for Y and U axes			Pin No.	I/O	Designation	Pin No.	I/O	Designation	A1	IN	Power supply, 24 VDC (for output signals)	B1	IN	Power supply, 24 VDC (for output signals)	A2	IN	GND, 24 VDC (for output signals)	B2	IN	GND, 24 VDC (for output signals)	A3	---	Open Collector Output: Not used	B3	---	Open Collector Output: Not used	IN	Line Driver Output: GND, 5 VDC (for pulse output)	IN	Line Driver Output: GND, 5 VDC (for pulse output)	A4	---	Open Collector Output: Not used	B4	---	Open Collector Output: Not used	IN	Line Driver Output: Power supply, 5 VDC (for pulse output)	IN	Line Driver Output: Power supply, 5 VDC (for pulse output)	A5	OUT	Open Collector Output: CW pulse output	B5	OUT	Open Collector Output: CW pulse output	Line Driver Output: CW pulse output (+)	Line Driver Output: CW pulse output (+)	A6	OUT	Open Collector Output: CW pulse output with 1.6 kΩ resistance	B6	OUT	Open Collector Output: CW pulse output with 1.6 kΩ resistance	Line Driver Output: CW pulse output (–)	Line Driver Output: CW pulse output (–)	A7	OUT	Open Collector Output: CCW pulse/direction output	B7	OUT	Open Collector Output: CCW pulse/direction output	Line Driver Output: CCW pulse/direction output (+)	Line Driver Output: CCW pulse/direction output (+)	A8	OUT	Open Collector Output: CCW pulse/direction output with 1.6 kΩ resistance	B8	OUT	Open Collector Output: CCW pulse/direction output with 1.6 kΩ resistance	Line Driver Output: CCW pulse/direction output (-)	Line Driver Output: CCW pulse/direction output (-)	A9	---	Not used	B9	---	Not used	A10	OUT	Error counter reset output/origin-adjustment command output	B10	OUT	Error counter reset output/origin-adjustment command output	A11	OUT	Error counter reset output with 1.6 kΩ resistance Origin-adjustment command output with 1.6 kΩ resistance	B11	OUT	Error counter reset output with 1.6 kΩ resistance Origin-adjustment command output with 1.6 kΩ resistance	A12	IN	Positioning completed input signal	B12	IN	Positioning completed input signal	A13	---	Not used	B13	---	Not used	A14	IN	Origin common	B14	IN	Origin common	A15	IN	Origin input signal (24 V)	B15	IN	Origin input signal (24 V)	A16	IN	Origin input signal (5 V)	B16	IN	Origin input signal (5 V)	A17	---	Not used	B17	---	Not used	A18	---	Not used	B18	---	Not used	A19	IN	Interrupt input signal	B19	IN	Interrupt input signal	A20	IN	Emergency stop input signal	B20	IN	Emergency stop input signal	A21	IN	Origin proximity input signal	B21	IN	Origin proximity input signal	A22	IN	CW limit input signal	B22	IN	CW limit input signal	A23	IN	CCW limit input signal	B23	IN	CCW limit input signal	A24	IN	Input common	B24	IN	Input common
	Connector pin arrangement for X and Z axe			Connector pin arrangement for Y and U axes																																																																																																																																																																									
	Pin No.	I/O	Designation	Pin No.	I/O	Designation																																																																																																																																																																							
	A1	IN	Power supply, 24 VDC (for output signals)	B1	IN	Power supply, 24 VDC (for output signals)																																																																																																																																																																							
	A2	IN	GND, 24 VDC (for output signals)	B2	IN	GND, 24 VDC (for output signals)																																																																																																																																																																							
	A3	---	Open Collector Output: Not used	B3	---	Open Collector Output: Not used																																																																																																																																																																							
		IN	Line Driver Output: GND, 5 VDC (for pulse output)		IN	Line Driver Output: GND, 5 VDC (for pulse output)																																																																																																																																																																							
	A4	---	Open Collector Output: Not used	B4	---	Open Collector Output: Not used																																																																																																																																																																							
		IN	Line Driver Output: Power supply, 5 VDC (for pulse output)		IN	Line Driver Output: Power supply, 5 VDC (for pulse output)																																																																																																																																																																							
	A5	OUT	Open Collector Output: CW pulse output	B5	OUT	Open Collector Output: CW pulse output																																																																																																																																																																							
			Line Driver Output: CW pulse output (+)			Line Driver Output: CW pulse output (+)																																																																																																																																																																							
	A6	OUT	Open Collector Output: CW pulse output with 1.6 kΩ resistance	B6	OUT	Open Collector Output: CW pulse output with 1.6 kΩ resistance																																																																																																																																																																							
			Line Driver Output: CW pulse output (–)			Line Driver Output: CW pulse output (–)																																																																																																																																																																							
	A7	OUT	Open Collector Output: CCW pulse/direction output	B7	OUT	Open Collector Output: CCW pulse/direction output																																																																																																																																																																							
			Line Driver Output: CCW pulse/direction output (+)			Line Driver Output: CCW pulse/direction output (+)																																																																																																																																																																							
	A8	OUT	Open Collector Output: CCW pulse/direction output with 1.6 kΩ resistance	B8	OUT	Open Collector Output: CCW pulse/direction output with 1.6 kΩ resistance																																																																																																																																																																							
			Line Driver Output: CCW pulse/direction output (-)			Line Driver Output: CCW pulse/direction output (-)																																																																																																																																																																							
	A9	---	Not used	B9	---	Not used																																																																																																																																																																							
	A10	OUT	Error counter reset output/origin-adjustment command output	B10	OUT	Error counter reset output/origin-adjustment command output																																																																																																																																																																							
	A11	OUT	Error counter reset output with 1.6 kΩ resistance Origin-adjustment command output with 1.6 kΩ resistance	B11	OUT	Error counter reset output with 1.6 kΩ resistance Origin-adjustment command output with 1.6 kΩ resistance																																																																																																																																																																							
	A12	IN	Positioning completed input signal	B12	IN	Positioning completed input signal																																																																																																																																																																							
	A13	---	Not used	B13	---	Not used																																																																																																																																																																							
	A14	IN	Origin common	B14	IN	Origin common																																																																																																																																																																							
	A15	IN	Origin input signal (24 V)	B15	IN	Origin input signal (24 V)																																																																																																																																																																							
	A16	IN	Origin input signal (5 V)	B16	IN	Origin input signal (5 V)																																																																																																																																																																							
	A17	---	Not used	B17	---	Not used																																																																																																																																																																							
	A18	---	Not used	B18	---	Not used																																																																																																																																																																							
	A19	IN	Interrupt input signal	B19	IN	Interrupt input signal																																																																																																																																																																							
	A20	IN	Emergency stop input signal	B20	IN	Emergency stop input signal																																																																																																																																																																							
	A21	IN	Origin proximity input signal	B21	IN	Origin proximity input signal																																																																																																																																																																							
	A22	IN	CW limit input signal	B22	IN	CW limit input signal																																																																																																																																																																							
A23	IN	CCW limit input signal	B23	IN	CCW limit input signal																																																																																																																																																																								
A24	IN	Input common	B24	IN	Input common																																																																																																																																																																								

Precautions

- Please read and understand the precautions, restrictions, and reminders described on the manuals of PLCs (both of the PLC used in the existing system and the PLC you will use to replace the existing PLC) and sufficiently confirm that the operation is correct before you start actual operation.
- When using terminal block conversion adapters on adjacent units, if there is interference with the wiring of the I/O connection cables, please ensure adequate space by installing a space unit (CJ1W-SP001) or taking other measures to secure the necessary space.
The maximum number of units that can be connected to the CPU unit or expansion unit is 10, including space units. Since space units are not recognized by the CPU unit or tools such as CX-Programmer, no abnormality will be detected even if the number of connected units exceeds 10 due to the addition of space units. However, if the number of connected units exceeds 10, operational abnormalities in other units (such as high-function I/O unit malfunctions) may occur.
- If you are using a terminal block conversion adapter with a CJ series in an environment that is subject to continuous vibration and shock, please use the reinforcing bracket (optional product).
- Do not pull on the cables or bend them beyond their natural limit. Do not place heavy objects on top of the cables or other lines.

Related Manuals

The following manuals are related to Terminal Block Conversion Adapter. Use these manuals for reference.

Cat. No.	Manual name	Description
P164	CS1 Replacement Guide From CS1G/H to CJ2	When replacing from CS1G/CS1H to CJ2.
W339	CS-series Programmable Controllers Operation Manual	Learning the basic specifications of the CS-series CPU Units, including introductory information, designing, installation, and maintenance.
W472	CJ-series CJ2 CPU Unit Hardware User's Manual	Learning the basic specifications of the CJ2 CPU Units, including introductory information, designing, installation, and maintenance.

Terms and Conditions Agreement

Read and understand this catalog.

Please read and understand this catalog before purchasing the products. Please consult your OMRON representative if you have any questions or comments.

Warranties.

(a) Exclusive Warranty. Omron's exclusive warranty is that the Products will be free from defects in materials and workmanship for a period of twelve months from the date of sale by Omron (or such other period expressed in writing by Omron). Omron disclaims all other warranties, express or implied.

(b) Limitations. OMRON MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, ABOUT NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE PRODUCTS. BUYER ACKNOWLEDGES THAT IT ALONE HAS DETERMINED THAT THE PRODUCTS WILL SUITABLY MEET THE REQUIREMENTS OF THEIR INTENDED USE.

Omron further disclaims all warranties and responsibility of any type for claims or expenses based on infringement by the Products or otherwise of any intellectual property right. (c) Buyer Remedy. Omron's sole obligation hereunder shall be, at Omron's election, to (i) replace (in the form originally shipped with Buyer responsible for labor charges for removal or replacement thereof) the non-complying Product, (ii) repair the non-complying Product, or (iii) repay or credit Buyer an amount equal to the purchase price of the non-complying Product; provided that in no event shall Omron be responsible for warranty, repair, indemnity or any other claims or expenses regarding the Products unless Omron's analysis confirms that the Products were properly handled, stored, installed and maintained and not subject to contamination, abuse, misuse or inappropriate modification. Return of any Products by Buyer must be approved in writing by Omron before shipment. Omron Companies shall not be liable for the suitability or unsuitability or the results from the use of Products in combination with any electrical or electronic components, circuits, system assemblies or any other materials or substances or environments. Any advice, recommendations or information given orally or in writing, are not to be construed as an amendment or addition to the above warranty.

See <http://www.omron.com/global/> or contact your Omron representative for published information.

Limitation on Liability: Etc.

OMRON COMPANIES SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE PRODUCTS, WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE OR STRICT LIABILITY.

Further, in no event shall liability of Omron Companies exceed the individual price of the Product on which liability is asserted.

Suitability of Use.

Omron Companies shall not be responsible for conformity with any standards, codes or regulations which apply to the combination of the Product in the Buyer's application or use of the Product. At Buyer's request, Omron will provide applicable third party certification documents identifying ratings and limitations of use which apply to the Product. This information by itself is not sufficient for a complete determination of the suitability of the Product in combination with the end product, machine, system, or other application or use. Buyer shall be solely responsible for determining appropriateness of the particular Product with respect to Buyer's application, product or system. Buyer shall take application responsibility in all cases.

NEVER USE THE PRODUCT FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY OR IN LARGE QUANTITIES WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE OMRON PRODUCT(S) IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.

Programmable Products.

Omron Companies shall not be responsible for the user's programming of a programmable Product, or any consequence thereof.

Performance Data.

Data presented in Omron Company websites, catalogs and other materials is provided as a guide for the user in determining suitability and does not constitute a warranty. It may represent the result of Omron's test conditions, and the user must correlate it to actual application requirements. Actual performance is subject to the Omron's Warranty and Limitations of Liability.

Change in Specifications.

Product specifications and accessories may be changed at any time based on improvements and other reasons. It is our practice to change part numbers when published ratings or features are changed, or when significant construction changes are made. However, some specifications of the Product may be changed without any notice. When in doubt, special part numbers may be assigned to fix or establish key specifications for your application. Please consult with your Omron's representative at any time to confirm actual specifications of purchased Product.

Errors and Omissions.

Information presented by Omron Companies has been checked and is believed to be accurate; however, no responsibility is assumed for clerical, typographical or proofreading errors or omissions.

Note: Do not use this document to operate the Unit.

OMRON Corporation Industrial Automation Company

Kyoto, JAPAN

Contact : www.ia.omron.com

Regional Headquarters

OMRON EUROPE B.V.

Wegalaan 67-69, 2132 JD Hoofddorp
The Netherlands
Tel: (31) 2356-81-300 Fax: (31) 2356-81-388

OMRON ASIA PACIFIC PTE. LTD.

438B Alexandra Road, #08-01/02 Alexandra
Technopark, Singapore 119968
Tel: (65) 6835-3011 Fax: (65) 6835-3011

OMRON ELECTRONICS LLC

2895 Greenspoint Parkway, Suite 200
Hoffman Estates, IL 60169 U.S.A.
Tel: (1) 847-843-7900 Fax: (1) 847-843-7787

OMRON (CHINA) CO., LTD.

Room 2211, Bank of China Tower,
200 Yin Cheng Zhong Road,
PuDong New Area, Shanghai, 200120, China
Tel: (86) 21-6023-0333 Fax: (86) 21-5037-2388

Authorized Distributor:

©OMRON Corporation 2025 All Rights Reserved.
In the interest of product improvement,
specifications are subject to change without notice.

CSM_2_2

Cat. No. P169-E1-03 1025 (0425)