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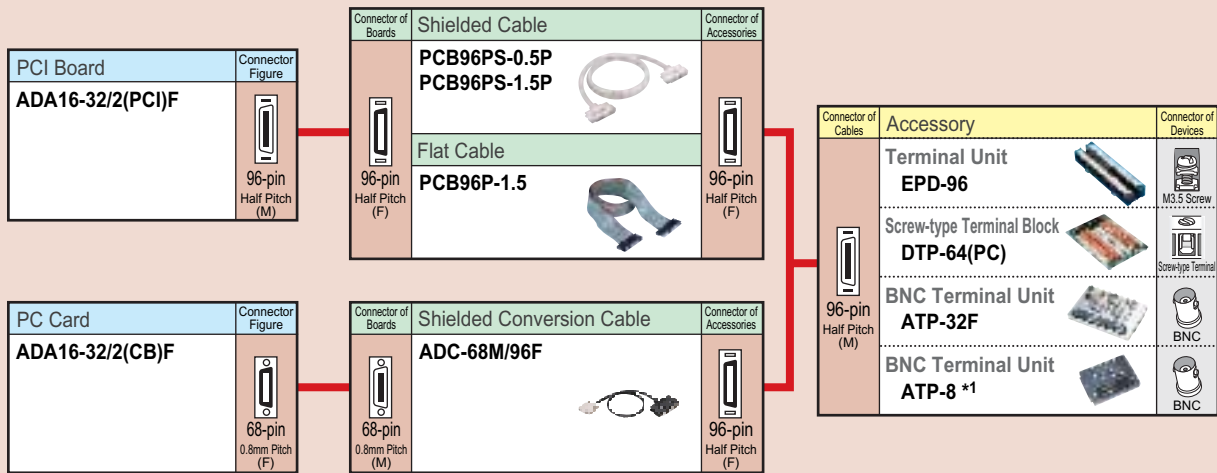
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## Analog I/O Accessories & Cables (connector on both sides) [1]

### Analog F Series



\*1: Analog input is limited to 8 channels. The number of channels and points that can be input/output is limited.

### Cables

Shielded Cable with connector on both sides (Mold Type) for 96-pin Half Pitch Connector

PCB96PS-0.5P (0.5m)



PCB96PS-1.5P (1.5m)

Flat Cable with connector on both sides for 96-pin Half Pitch Connector

PCB96P-1.5 (0.5m)



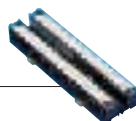
Shielded Cable for CardBus-compliant Analog I/O Card

ADC-68M/96F



### Accessories

#### Terminal Unit EPD-96



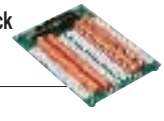
219.5(W) × 64(D) × 35.5(H) mm  
35mm DIN-rail Mountable  
Terminal pitch: 8.5 mm  
\* Cables optional

#### Terminal Unit EPD-50A



202.5(W) × 40(D) × 54.8(H) mm  
35mm DIN-rail Mountable  
Connector: 10250-52A2JL (3M) or equivalent  
Terminal pitch: 7.62 mm \* Cables optional

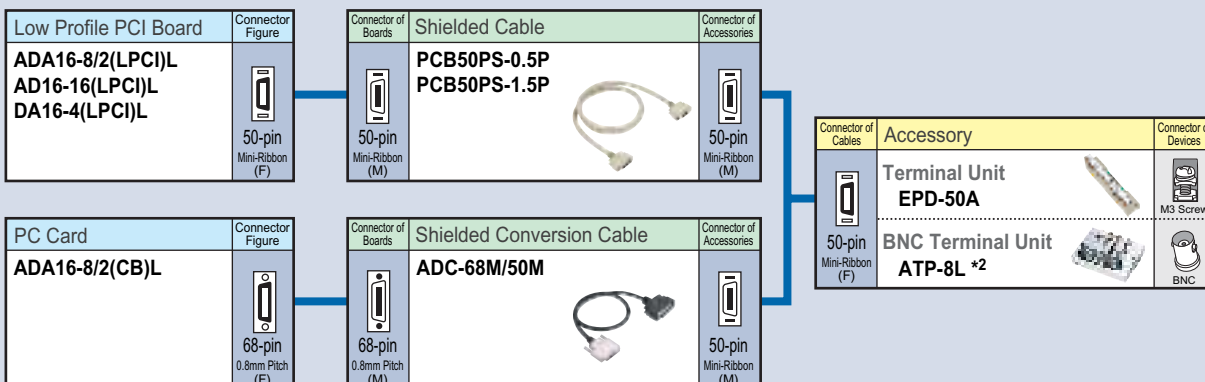
#### Screw-type Terminal Block DTP-64



170(W) × 122(H) mm  
\* Cables optional

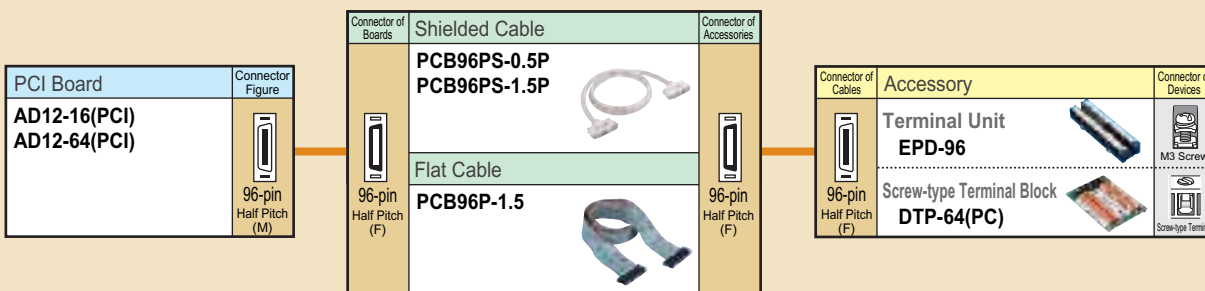
# Accessories & Cables

## ■ Analog L Series



\*2: AD16-16E (LPCI)L analog input is limited to 8 channels. DA16-4(LPCI)L analog output is limited to 2 channels.


## ■ 96-pin Half Pitch Connector Type



### Cables

Shielded Cable with connector on both sides (Mold Type) for 50-pin Mini-Ribbon Connector


**PCB50PS-0.5P** (0.5m)



**PCB50PS-1.5P** (1.5m)


Shielded Cable for CardBus-compliant Analog I/O Card

**ADC-68M/50M**




### Accessories

**BNC Terminal Unit ATP-32F**




194(W) × 40.1(D) × 128(H) mm  
\* Cables optional

**BNC Terminal Unit ATP-8L**



120(W) × 88(D) × 40.1(H) mm  
\* Cables optional

**BNC Terminal Unit ATP-8**



127(W) × 40.1(D) × 88(H) mm  
\* Cables optional

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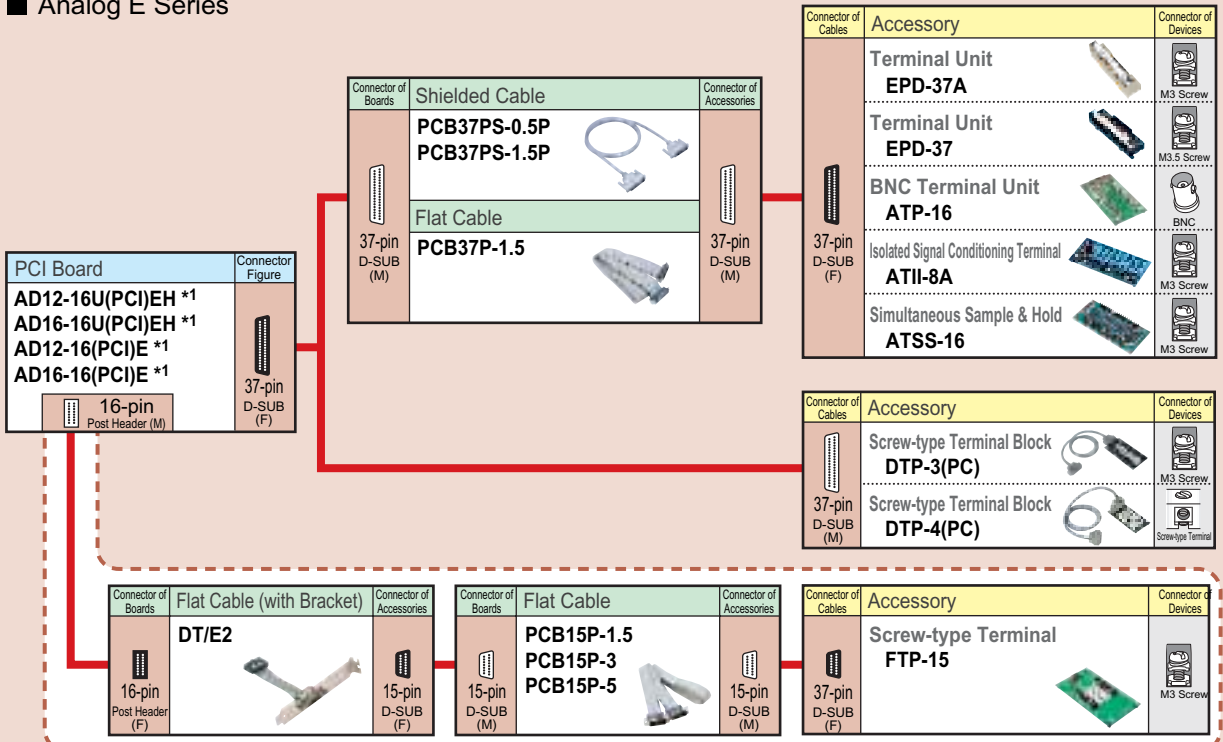
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# Accessories & Cables

## Analog I/O Accessories & Cables (connector on both sides) [2]

### Analog E Series



\*1: Analog I/O external interface provided through 37-pin D-SUB connector. Digital I/O provided through on-board 16-pin header connector.

### Cables

Shielded Cable with connector on both sides for 37-pin D-SUB Connector

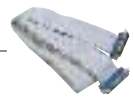
PCB37PS-0.5P (0.5m)



PCB37PS-1.5P (1.5m)

Flat Cable with connector on both sides for 37-pin D-SUB Connector

PCB37P-1.5 (1.5m)



15-pin D-SUB Flat Conversion Cable (with bracket) for 16-pin Post Header

DT/E2



Flat Cable with connector on both sides for 15-pin D-SUB Connector

PCB15P-1.5 (1.5m)



PCB15P-3 (3m)

PCB15P-5 (5m)

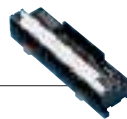
### Accessories

#### Terminal Unit EPD-37A



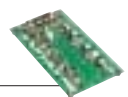
158.4(W) × 40(D) × 54.8(H) mm  
35mm DIN-rail Mountable  
Connector: DCLC-J37SAF-20L9 [JAE] or equivalent  
Terminal pitch: 7.62 mm \* Cables optional

#### Terminal Unit EPD-37



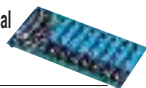
226(W) × 64(D) × 40.5(H) mm  
35mm DIN-rail Mountable  
Connector: DCLC-J37SAF-20L9 [JAE] or equivalent  
Terminal pitch: 10 mm \* Cables optional

#### BNC Terminal Unit ATP-16



190(W) × 105(H) mm  
\* A limited number of boards can be used.  
\* Cables optional

#### Isolated Signal Conditioning Terminal ATII-8A



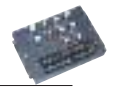
105(W) × 22.5(D) × 230(H) mm  
Terminal block type function expansion board which conducts bus insulation and channel-to-channel insulation. In addition to the insulation function, it is capable of current input (4-20mA), input gain (200 times) and cold joint compensation for thermocou  
\* When using 16 channels, two pieces of ATSS-8A is required.  
\* Cables optional

#### Simultaneous Sample & Hold ATSS-16



105(W) × 22.5(D) × 230(H) mm  
Terminal block type simultaneous sampling function expansion board equipped with 16-channel sample-and-hold amplifier. It is capable of sampling 16 channels at the same timing.  
\* ATSS-16 is available at single-ended input mode.  
\* Cables optional

#### BNC Terminal Unit ATP-8



127(W) × 40.1(D) × 88(H) mm  
\* Cables optional

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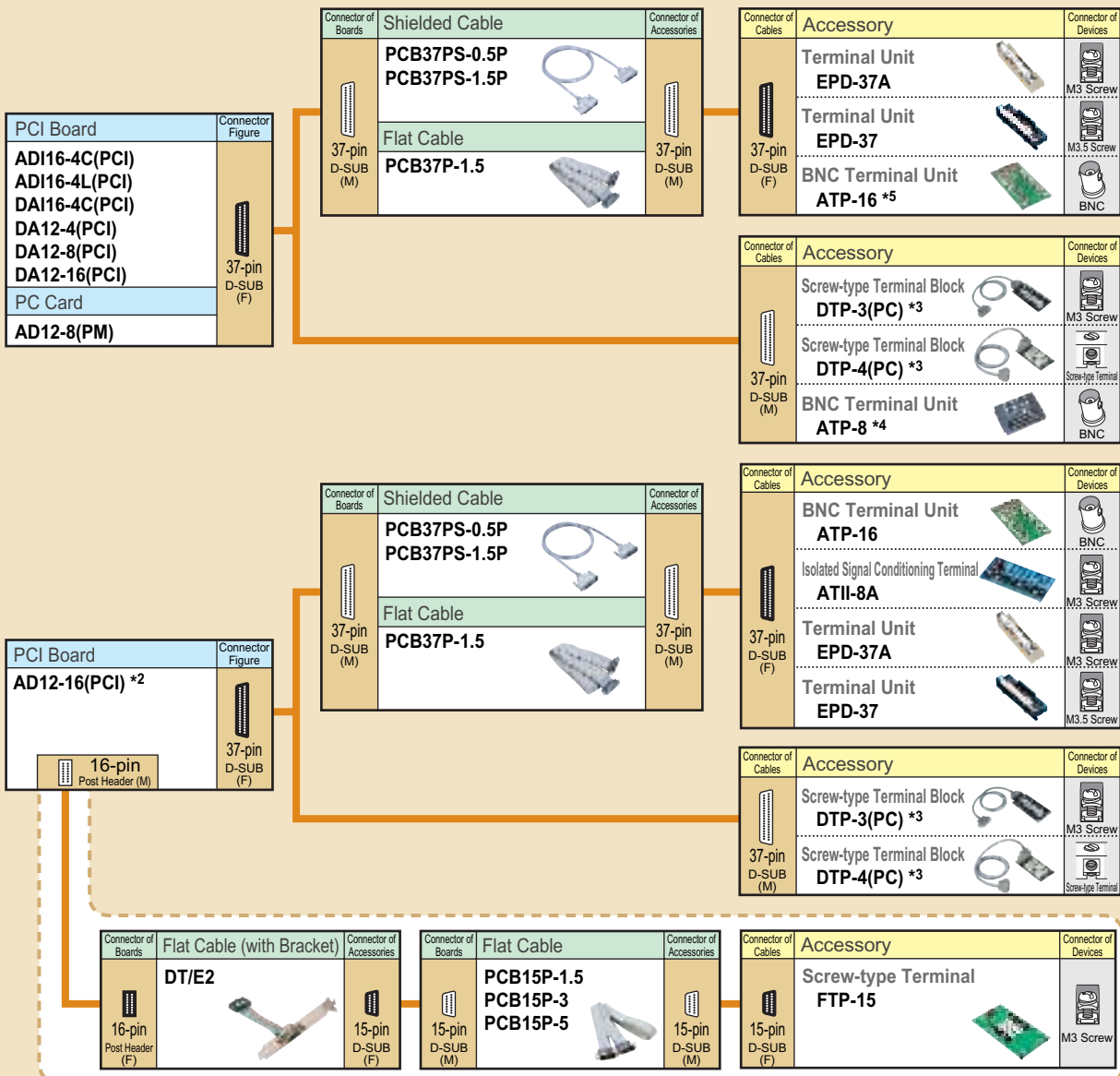
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# Accessories & Cables

## 37-pin D-SUB Connector Type



\*2: Analog I/O external interface provided through 37-pin D-SUB connector. Digital I/O provided through on-board 16-pin header connector.

\*3: When supplied cable (1m) is insufficient in length other cables are available (PCB37PS-\* or PCB37P-\*).

\*4: Can be used only with AD12-8(PM).

\*5: Only DA12-4(PCI), DA12-8(PCI) and DA12-16(PCI) can be used.

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### Accessories

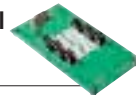
#### Screw-type Terminal Block DTP-3(PC)

190(W) × 105(H) mm  
\* Attached cable (1m)



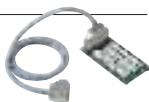
#### Screw-type Terminal FTP-15

190(W) × 105(H) mm  
\* For Digital I/O



#### Screw-type Terminal Block DTP-4(PC)

160(W) × 82(H) mm  
\* Attached cable (1m)



### DIN-rail Adapter

#### DIN-ADP-1

DIN-rail Adapter for terminal panels



● For use with  
ATSS-16, ATP-16, ATII-8A, FTP-15, ATLF-8

# Accessories & Cables

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## Analog I/O Accessories & Cables (connector on one side only)



### 96-pin Half Pitch Connector Type

PCI Board	Connector Figure
<b>ADA16-32/2(PCI)F</b> <b>AD12-16(PCI)</b> <b>AD12-64(PCI)</b>	 96-pin Half Pitch (M)


Connector of Boards	Shielded Cable
 96-pin Half Pitch (F)	<b>PCA96PS-0.5P</b> <b>PCA96PS-1.5P</b> 
	<b>Flat Cable</b> <b>PCA96P-1.5</b> 



### 68-pin 0.8mm Pitch Connector Type












PC Card	Connector Figure
<b>ADA16-32/2(CB)F</b> <b>ADA16-8/2(CB)L</b>	 68-pin 0.8mm Pitch (M)

Connector of Boards	Shielded Cable
 68-pin 0.8mm Pitch (F)	<b>PCA68PS-0.5P</b> <b>PCA68PS-1.5P</b> 

### 50-pin Mini-Ribbon Connector Type


Low Profile PCI Board	Connector Figure
<b>ADA16-8/2(LPCI)L</b> <b>AD16-16(LPCI)L</b> <b>DA16-4(LPCI)L</b>	 50-pin Mini-Ribbon (F)



Connector of Boards	Shielded Cable
 50-pin Mini-Ribbon (M)	<b>PCA50PS-0.5P</b> <b>PCA50PS-1.5P</b> 




Cables		
<b>Shielded Cable with connector on one side (Mold Type) for 96-pin Half Pitch Connector</b> <b>PCA96PS-0.5P (0.5m)</b> <b>PCA96PS-1.5P (1.5m)</b> 	<b>Shielded Cable with connector on one side (Mold Type) for 37-pin D-SUB Connector</b> <b>PCA37PS-0.5P (0.5m)</b> <b>PCA37PS-1.5P (1.5m)</b> 	<b>Flat Cable with connector on one side for 15-pin D-SUB Connector</b> <b>PCA15P-1.5 (1.5m)</b> <b>PCA15P-3 (3m)</b> <b>PCA15P-5 (5m)</b>  <p>* for Digital I/O</p>
<b>Flat Cable with connector on one side for 96-pin Half Pitch Connector</b> <b>PCA96P-1.5 (1.5m)</b> 	<b>Flat Cable with connector on one side for 37-pin D-SUB Connector</b> <b>PCA37P-1.5 (1.5m)</b> 	<b>Flat Cable with connector on one side for 16-pin Post Header</b> <b>DT/E1</b>  <p>* for Digital I/O</p>
<b>Shielded Cable with connector on one side for 68-pin 0.8mm Pitch Connector</b> <b>PCA68PS-0.5P (0.5m)</b> <b>PCA68PS-1.5P (1.5m)</b> 	<b>Coaxial Cable for Signle-end Input (16ch)</b> <b>PCC16PS-1.5 (1.5m)</b> <b>PCC16PS-3 (3m)</b> 	<b>15-pin D-SUB Flat Conversion Cable for 16-pin Post Header</b> <b>DT/E2</b> 
<b>Shielded Cable with connector on one side (Mold Type) for 50-pin Mini-Ribbon Connector</b> <b>PCA50PS-0.5P (0.5m)</b> <b>PCA50PS-1.5P (1.5m)</b> 	<b>Shielded Cable for Differential Input (8ch)</b> <b>PCD8PS-1.5 (1.5m)</b> <b>PCD8PS-3 (3m)</b> 	



# Accessories & Cables




## ■ Analog F Series



PCI Board	Connector Figure
ADI16-4C(PCI) ADI16-4L(PCI) DA12-4(PCI) DA12-8(PCI) DA12-16(PCI) DAI16-4C(PCI)	 37-pin D-SUB (F)
PC Card AD12-8(PM)	



PCI Board	Connector Figure
ADI12-16(PCI) *2	 37-pin D-SUB (F)
 16-pin Post Header (M)	




Connector of Boards	Shielded Cable
 37-pin D-SUB (M)	PCA37PS-0.5P PCA37PS-1.5P 
	Flat Cable
	PCA37P-1.5 



Connector of Boards	Coaxial Cable
 37-pin D-SUB (M)	PCC16PS-1.5 *1 PCC16PS-3 *1 



Connector of Boards	Shielded Cable
 37-pin D-SUB (M)	PCA37PS-0.5P PCA37PS-1.5P 
	Flat Cable
	PCA37P-1.5 

Connector of Boards	Coaxial Cable
 37-pin D-SUB (M)	PCC16PS-1.5 PCC16PS-3 

Connector of Boards	Shielded Cable for Differential input
 37-pin D-SUB (M)	PCD8PS-1.5 PCD8PS-3 

Connector of Boards	Flat Cable (with Bracket)	Connector of Accessories
 16-pin Post Header (F)	DT-E2 	 15-pin D-SUB (F)

Connector of Boards	Flat Cable
 15-pin D-SUB (M)	PCA15P-1.5 PCA15P-3 PCA15P-5 

Connector of Boards	Flat Cable
 16-pin Post Header (M)	DT/E1 

\*1: It is not for use with ADI16-4C(PCI), ADI16-4L(PCI), DAI16-4C(PCI) or AD12-8(PM).

\*2: Analog I/O external interface provided through 37-pin D-SUB connector. Digital I/O provided through on-board 16-pin header connector.

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### Connector

96-pin Half Pitch Connector (F) x5  
CN5-H96F

Easily soldered.



37-pin D-SUB Connector (M) x5  
CN5-D37M

Easily soldered.



# Accessories & Cables

## Digital I/O Accessories & Cables (connector on both sides) [1]

### 100-pin 0.8mm Pitch Connector Type

<b>PCI Board</b> PI-128L(PCI) *1 PO-128L(PCI) *1 PIO-64/64L(PCI) *1		<b>Shielded Conversion Cable</b> PCB100/96PS-1.5 PCB100/96PS-3 PCB100/96PS-5			<b>Accessory</b> CHECK MATE CM-64(PC)E *1 Terminal Unit EPD-96 *1 Screw-type Terminal Block DTP-64(PC) *1 Connector Converter CCB-96 *1		
		<b>Shielded Conversion Cable</b> PCB100WS-1.5 PCB100WS-3 PCB100WS-5			<b>Accessory</b> Terminal Unit EPD-37A *2 Terminal Unit EPD-37 *2 Screw-type Terminal Block DTP-3(PC) *2*3 Screw-type Terminal Block DTP-4(PC) *2*3		

\*1: When using all the points, 2 cables and 2 accessories panels are required.  
 \*2: When using all the points, 2 cables and 4 accessories panels are required.  
 \*3: The attached cable (1m) is not used.

### 68-pin 0.8mm Pitch Connector Type

<b>PC Card</b> PIO-48D(CB)H		<b>Shielded Conversion Cable</b> DIO-68M/96F			<b>Accessory</b> Terminal Unit EPD-96 Screw-type Terminal Block DTP-64(PC)		
--------------------------------	--	---	--	--	--	--	--

#### Cables

96-pin Half Pitch Shielded Conversion Cable for 100-pin 0.8mm Pitch Connector

PCB100/96PS-1.5 (1.5m)

PCB100/96PS-3 (3m)

PCB100/96PS-5 (5m)



37-pin D-SUB x2 Distribution Shielded Cable for 100-pin 0.8mm Pitch Connector

PCB100WS-1.5 (1.5m)

PCB100WS-3 (3m)

PCB100WS-5 (5m)



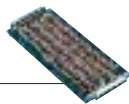
Shielded Cable for CardBus-compliant Digital I/O Card

DIO-68M/96F



#### Accessories

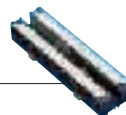
**CHECK MATE CM-64(PC)E**



230(W) × 105(D) × 35(H) mm

It is used to monitor the status of the signal line or to generate pseudo signals onto the signal line, making it easier to debug and check the behavior of programs.  
 \* Cables optional

**Terminal Unit EPD-96**



219.5(W) × 64(D) × 35.5(H) mm

35mm DIN-rail Mountable  
 Terminal pitch: 8.5 mm  
 \* Cables optional

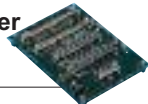
**Screw-type Terminal Block DTP-64(PC)**



170(W) × 122(H) mm

\* Cables optional

**Connector Converter CCB-96**



It converts 96-pin half pitch connectors to a pair of general-purpose, 37-pin female D-type connectors.  
 \* Cables optional

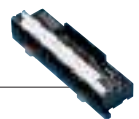
**Terminal Unit EPD-37A**



158.4(W) × 40(D) × 54.8(H) mm

35mm DIN-rail Mountable  
 Connector: DCLC-J37SAF-20L9 [JAE] or equivalent  
 Terminal pitch: 7.62 mm \* Cables optional

**Terminal Unit EPD-37**



226(W) × 64(D) × 40.5(H) mm

35mm DIN-rail Mountable  
 Connector: DCLC-J37SAF-20L9 [JAE] or equivalent  
 Terminal pitch: 10 mm \* Cables optional


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# Accessories & Cables


## 96-pin Half Pitch Connector Type






PCI Board	Connector Figure
PI-64L(PCI)H PI-64L(PCI) PO-64L(PCI)H PO-64L(PCI) PIO-32/32L(PCI)H PIO-32/32L(PCI) PIO-32/32B(PCI)H PIO-32/32F(PCI) PIO-32/32T(PCI) PIO-32/32H(PCI)H PIO-32/32RL(PCI)H	
Compact PCI Board	
PI-64L(CPCI) PO-64L(CPCI) PIO-32/32L(CPCI)	







Connector of Boards	Shielded Cable	Connector of Accessories
	PCB96PS-0.5P PCB96PS-1.5P PCB96PS-3P PCB96PS-5P	
	Flat Cable	
	PCB96P-1.5 PCB96P-3 PCB96P-5	




Connector of Boards	Shielded Cable	Connector of Accessories
	PCB96WS-1.5P PCB96WS-3P PCB96WS-5P	
	Flat Cable	
	PCB96W-1.5P PCB96W-3P PCB96W-5P	

Connector of Boards	Shielded Cable	Connector of Accessories
	PCB96PS-0.5P PCB96PS-1.5P	
	Flat Cable	
	PCB96P-1.5	

PCI Board	Connector Figure
PIO-48D(PCI) *1	

Connector of Cables	Accessory	Connector of Devices
	CHECK MATE CM-64(PC)E *1	
	Terminal Unit EPD-96	
	Screw-type Terminal Block DTP-64(PC)	
	Connector Converter CCB-96	

Connector of Cables	Accessory	Connector of Devices
	CHECK MATE CM-32(PC)E *1	
	Terminal Unit EPD-37A	
	Terminal Unit EPD-37	
	Screw-type Terminal Block DTP-3(PC) *1*3	
	Screw-type Terminal Block DTP-4(PC) *1*3	

Connector of Cables	Accessory	Connector of Devices
	Terminal Unit EPD-96	
	Screw-type Terminal Block DTP-64(PC)	

\*1: It is not for use with PIO-32/32(PCI)H or PIO-32/32L(PCI).  
\*2: When using all the points, 2 accessories panels are required.  
\*3: The attached cable (1m) is not used.

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Digital I/O

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Communication

Cables	
37-pin D-SUB*2 Distribution Shielded Cable for 96-pin Half Pitch Connector	Shielded Cable with connector on both sides (Mold Type) for 96-pin Half Pitch Connector
PCB96WS-1.5P (1.5m)	PCB96PS-0.5 (0.5m)
PCB96WS-3P (3m)	PCB96PS-1.5 (1.5m)
PCB96WS-5P (5m)	PCB96PS-3 (3m)
37-pin D-SUB*2 Distribution Shielded Cable for 96-pin Half Pitch Connector	PCB96PS-5 (5m)
PCB96W-1.5 (1.5m)	Flat Cable with connector on both sides for 96-pin Half Pitch Connector
PCB96W-3 (3m)	PCB96P-1.5 (1.5m)
PCB96W-5 (5m)	PCB96P-3 (3m)
	PCB96P-5 (5m)

DIN-rail Adapter
DIN-ADP-1
DIN-rail Adapter for terminal panels

● For use with CM-64(PC)E, CM-32(PC)E, CCB-96


Accessories		
<b>Screw-type Terminal Block DTP-3(PC)</b>	<b>Screw-type Terminal Block DTP-4(PC)</b>	<b>CHECK MATE CM-32(PC)E</b>
190(W) × 105(H) mm 96-pin connector requires 2 DTP-3(PC). * Attached cable (1m)	160(W) × 82(H) mm 96-pin connector requires 2 DTP-4(PC). * Attached cable (1m)	230(W) × 35(H) × 105(D) mm It is used to monitor the status of the signal line or to generate pseudo signals onto the signal line, making it easier to debug and check the behavior of programs. *It doesn't accept Bi-directional I/O type. * Cables optional







# Accessories & Cables



## Digital I/O Accessories & Cables (connector on both sides) [2]



### 50-pin Mini-Ribbon Connector Type



Low Profile PCI Board	Connector Figure
PIO-16/16B(LPCI)H PIO-16/16L(LPCI)H PIO-16/16T(LPCI)H *1	

Connector of Boards	Shielded Cable	Connector of Accessories
	PCB50PS-0.5P PCB50PS-1.5P PCB50PS-3P PCB50PS-5P	



Connector of Cables	Accessory	Connector of Devices
	Terminal Unit EPD-50A	

Connector of Boards	Shielded Cable	Connector of Accessories
	PCB37PS-0.5P PCB37PS-1.5P PCB37PS-3P PCB37PS-5P	




Connector of Cables	Accessory	Connector of Devices
	CHECK MATE CM-32(PC)E *1	

Connector of Boards	Flat Cable	Connector of Accessories
	PCB37P-1.5 PCB37P-3 PCB37P-5	

Connector of Cables	Accessory	Connector of Devices
	Terminal Unit EPD-37A	

Connector of Boards	Shielded Conversion Cable	Connector of Accessories
	PCE50/37PS-0.5P	

Connector of Cables	Accessory	Connector of Devices
	Terminal Unit EPD-37	

Connector of Cables	Accessory	Connector of Devices
	Screw-type Terminal Block DTP-3(PC) *2	
	Screw-type Terminal Block DTP-4(PC) *2	

\*1: Select a cable which is 1.5m or shorter.  
\*2: When supplied cable (1m) is insufficient in length other cables are available (PCB37PS-\* or PCB37P-\*).

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### Cables

37-pin D-SUB Shielded Conversion Cable (Mold Type) for 50-pin Mini-Ribbon Connector

PCE50/37PS-0.5P (0.5m)



Shielded Cable with connector on both sides (Mold Type) for 50-pin Mini-Ribbon Connector

PCB50PS-0.5P (0.5m)

PCB50PS-1.5P (1.5m)

PCB50PS-3P (3m)

PCB50PS-5P (5m)



Shielded Cable with connector on both sides for 37-pin D-SUB Connector

PCB37PS-0.5P (0.5m)

PCB37PS-1.5P (1.5m)

PCB37PS-3P (3m)

PCB37PS-5P (5m)



### Accessories

Terminal Unit  
EPD-50A



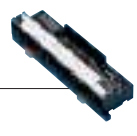
202.5(W) × 40(D) × 54.8(H) mm  
35mm DIN-rail Mountable  
Connector: 10250-52A2JL (3M) or equivalent  
Terminal pitch: 7.62 mm \* Cables optional

Terminal Unit  
EPD-37A



158.4(W) × 40(D) × 54.8(H) mm  
35mm DIN-rail Mountable  
Connector: DCLC-J37SAF-20L9 [JAE] or equivalent  
Terminal pitch: 7.62 mm \* Cables optional

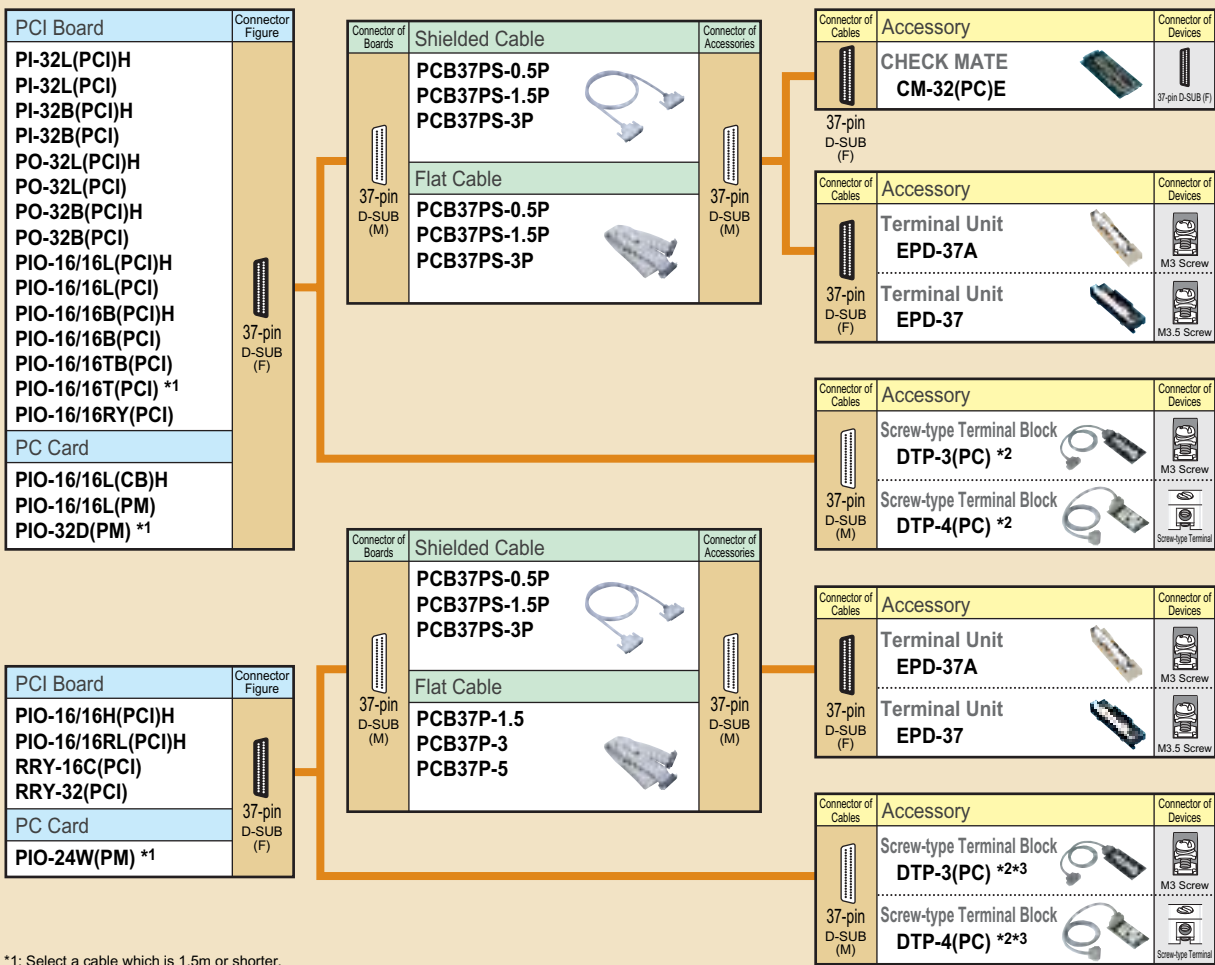
Terminal Unit  
EPD-37



226(W) × 64(D) × 40.5(H) mm  
35mm DIN-rail Mountable  
Connector: DCLC-J37SAF-20L9 [JAE] or equivalent  
Terminal pitch: 10 mm \* Cables optional

# Accessories & Cables

## 37-pin Half Pitch Connector Type



\*1: Select a cable which is 1.5m or shorter.  
 \*2: When supplied cable (1m) is insufficient in length other cables are available (PCB37PS-\* or PCB37P-\*).  
 \*3: It is not for use with PIO-16/16H(PCI)H.

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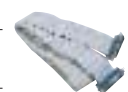
**Cables**

Flat Cable with connector on both sides for 37-pin D-SUB Connector

PCB37P-1.5 (1.5m)

PCB37P-3 (3m)

PCB37P-5 (5m)




**DIN-rail Adapter**




DIN-ADP-1

DIN-rail Adapter for terminal panels

● For use with CM-32(PC)E



**Accessories**

<b>CHECK MATE CM-32(PC)E</b> 230(W) × 105(D) × 35(H) mm It is used to monitor the status of the signal line or to generate pseudo signals onto the signal line, making it easier to debug and check the behavior of programs. *It doesn't accept Bi-directional I/O type. * Cables optional		<b>Screw-type Terminal Block DTP-3(PC)</b> 190(W) × 105(H) mm * Attached cable (1m)		<b>Screw-type Terminal Block DTP-4(PC)</b> 160(W) × 82(H) mm * Attached cable (1m)	
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# Accessories & Cables

## Digital I/O Accessories & Cables (connector on one side only)

### 100-pin 0.8mm Pitch Connector Type

PCI Board	Connector Figure
<b>PI-128L(PCI)</b> <b>PO-128L(PCI)</b> <b>PIO-64/64L(PCI)</b>	 100-pin 0.8mm Pitch *2 (F)

Connector of Boards	Flat Cable
 100-pin 0.8mm Pitch (M)	<b>PCA100P-1.5</b> <b>PCA100P-3</b> <b>PCA100P-5</b>

\*1: When using all the points, 2 cables are required.

\*1

### 96-pin Half Pitch Connector Type

PCI Board	Connector Figure
<b>PI-64L(PCI)H</b> <b>PI-64L(PCI)</b> <b>PO-64L(PCI)H</b> <b>PO-64L(PCI)</b> <b>PIO-32/32L(PCI)H</b> <b>PIO-32/32L(PCI)</b> <b>PIO-32/32B(PCI)H</b> <b>PIO-32/32F(PCI)</b> <b>PIO-32/32RL(PCI)H</b> <b>PIO-32/32H(PCI)H</b> <b>PIO-32/32T(PCI) *2</b> <b>PIO-48D(PCI) *2</b> <b>PIO-32DM(PCI) *2</b>	 96-pin Half Pitch (M)
Compact PCI Board	
<b>PI-64L(CPCI)</b> <b>PO-64L(CPCI)</b> <b>PIO-32/32L(CPCI)</b>	

Connector of Boards	Shielded Cable
 96-pin Half Pitch (F)	<b>PCA96PS-0.5P</b> <b>PCA96PS-1.5P</b> <b>PCA96PS-3P</b> <b>PCA96PS-5P</b>

Connector of Boards	Flat Cable
 96-pin Half Pitch (F)	<b>PCA96P-1.5</b> <b>PCA96P-3</b> <b>PCA96P-5</b>

\*2: Please select a cable that is 1.5m or shorter.

### 68-pin 0.8mm Pitch Connector Type

PC Card	Connector Figure
<b>PIO-48D(CB)H</b>	 68-pin 0.8mm Pitch (F)

Connector of Boards	Shielded Cable
 68-pin 0.8mm Pitch (M)	<b>PCA68PS-0.5P</b> <b>PCA68PS-1.5P</b>

### Cables

Flat Cable with connector on one side for 100-pin 0.8mm Pitch Connector

**PCA100P-1.5** (1.5m)

**PCA100P-3** (3m)

**PCA100P-5** (5m)



Shielded Cable with connector on one side (Mold Type) for 96-pin Half Pitch Connector

**PCA96PS-0.5P** (0.5m)

**PCA96PS-1.5P** (1.5m)

**PCA96PS-3P** (3m)

**PCA96PS-5P** (5m)



Shielded Cable with connector on one side for 68-pin 0.8mm Pitch Connector

**PCA68PS-0.5P** (0.5m)

**PCA68PS-1.5P** (1.5m)



Flat Cable with connector on one side for 96-pin Half Pitch Connector

**PCA96P-1.5** (1.5m)

**PCA96P-3** (3m)

**PCA96P-5** (5m)



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# Accessories & Cables


## 50-pin Mini-Ribbon Connector Type

Low Profile PCI Board	Connector Figure
<b>PIO-16/16B(LPCI)H</b> <b>PIO-16/16L(LPCI)H</b> <b>PIO-16/16T(LPCI)H *3</b>	 50-pin Mini-Ribbon (F)



\*3: Please select a cable that is 1.5m or shorter.



Connector of Boards	Shielded Cable
 50-pin Mini-Ribbon (M)	<b>PCA50PS-0.5P</b> <b>PCA50PS-1.5P</b> <b>PCA50PS-3P</b> <b>PCA50PS-5P</b> 

## 37-pin D-SUB Connector Type

PCI Board	Connector Figure
<b>PI-32L(PCI)H</b> <b>PI-32L(PCI)</b> <b>PI-32B(PCI)H</b> <b>PI-32B(PCI)</b> <b>PO-32L(PCI)H</b> <b>PO-32L(PCI)</b> <b>PO-32B(PCI)H</b> <b>PO-32B(PCI)</b> <b>PIO-16/16L(PCI)H</b> <b>PIO-16/16L(PCI)</b> <b>PIO-16/16B(PCI)H</b> <b>PIO-16/16B(PCI)</b> <b>PIO-16/16TB(PCI)</b> <b>PIO-16/16RL(PCI)</b> <b>PIO-16/16T(PCI) *4</b> <b>PIO-16/16RY(PCI)</b> <b>PIO-16/16H(PCI)H</b> <b>RRY-32(PCI)</b> <b>RRY-16C(PCI)</b>	 37-pin D-SUB (F)
PC Card	
<b>PIO-16/16L(CB)H</b> <b>PIO-16/16L(PM)</b> <b>PIO-24W(PM)</b> <b>PIO-32D(PM)</b>	

\*4: Please select a cable that is 1.5m or shorter.

Connector of Boards	Shielded Cable
 37-pin D-SUB (M)	<b>PCA37PS-0.5P</b> <b>PCA37PS-1.5P</b> <b>PCA37PS-3P</b> <b>PCA37PS-5P</b> 

Connector of Boards	Flat Cable
 37-pin D-SUB (M)	<b>PCA37P-1.5</b> <b>PCA37P-3</b> <b>PCA37P-5</b> 

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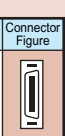



Cables	
Shielded Cable with connector on one side (Mold Type) for 50-pin Mini-Ribbon Connector <b>PCA50PS-0.5P (0.5m)</b> <b>PCA50PS-1.5P (1.5m)</b> <b>PCA50PS-3P (3m)</b> <b>PCA50PS-5P (5m)</b> 	Shielded Cable with connector on one side (Mold Type) for 37-pin D-SUB Connector <b>PCA37PS-0.5P (0.5m)</b> <b>PCA37PS-1.5P (1.5m)</b> <b>PC37PS-3P (3m)</b> <b>PCA37PS-5P (5m)</b> 
Flat Cable with connector on one side for 37-pin D-SUB Connector <b>PCA37P-1.5 (1.5m)</b> <b>PCA37P-3 (3m)</b> <b>PCA37P-5 (5m)</b> 	

Connectors
<b>96-pin Half Pitch Connector (F) ×5 CN5-H96F</b> Easily solered. 
<b>37-pin D-SUB Connector (M) ×5 CN5-D37M</b> Easily solered. 

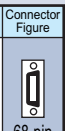



# Accessories & Cables

## Counter Accessories & Cables (connector on both sides)

### 96-pin Half Pitch Connector Type

<b>PCI Board</b> <b>CNT24-4D(PCI)</b> 	<b>Connector of Boards</b> 96-pin Half Pitch (F)	<b>Shielded Cable</b> PCB96PS-0.5P PCB96PS-1.5P PCB96PS-3P PCB96PS-5P 	<b>Connector of Accessories</b> 96-pin Half Pitch (F)	<b>Connector of Cables</b> 96-pin Half Pitch (M)	<b>Accessory</b> Terminal Unit <b>EPD-96</b>  Screw-type Terminal Block <b>DTP-64(PC)</b>  Connector Converter <b>CCB-96</b> 	<b>Connector of Devices</b> M3.5 Screw Screw-type Terminal
	<b>Connector of Boards</b> 96-pin Half Pitch (F)	<b>Shielded Cable</b> PCB96WS-1.5P PCB96WS-3P PCB96WS-5P 	<b>Connector of Accessories</b> 37-pin D-SUB (M)	<b>Connector of Cables</b> 37-pin D-SUB (F)	<b>Accessory</b> Terminal Unit <b>EPD-37A</b>  Terminal Unit <b>EPD-37</b>  Screw-type Terminal Block <b>DTP-3(PC)</b>  Screw-type Terminal Block <b>DTP-4(PC)</b> 	<b>Connector of Devices</b> M3 Screw M3.5 Screw M3 Screw Screw-type Terminal
	<b>Connector of Boards</b> 96-pin Half Pitch (F)	<b>Shielded Cable</b> PCB96PS-0.5P PCB96PS-1.5P 	<b>Connector of Accessories</b> 96-pin Half Pitch (F)	<b>Connector of Cables</b> 96-pin Half Pitch (M)	<b>Accessory</b> Terminal Unit <b>EPD-96</b>  Screw-type Terminal Block <b>DTP-64(PC)</b> 	<b>Connector of Devices</b> M3.5 Screw Screw-type Terminal
<b>PCI Board</b> <b>CNT32-8M(PCI)</b> 	<b>Connector of Boards</b> 96-pin Half Pitch (F)	<b>Shielded Cable</b> PCB96PS-0.5P PCB96PS-1.5P 	<b>Connector of Accessories</b> 96-pin Half Pitch (F)	<b>Connector of Cables</b> 96-pin Half Pitch (M)	<b>Accessory</b> Terminal Unit <b>EPD-96</b>  Screw-type Terminal Block <b>DTP-64(PC)</b> 	<b>Connector of Devices</b> M3.5 Screw Screw-type Terminal

### 68-pin 0.8mm Pitch Connector Type

<b>PC Card</b> <b>CNT32-4MT(CB)</b> 	<b>Connector of Boards</b> 68-pin 0.8mm Pitch (M)	<b>Shielded Conversion Cable</b> <b>CNT-68M/50M</b> 	<b>Connector of Accessories</b> 50-pin Mini-Ribbon (M)	<b>Connector of Cables</b> 50-pin Mini-Ribbon (F)	<b>Accessory</b> Differential / TTL Input Terminal <b>CTP-4D</b>  Terminal Unit <b>EPD-50A</b> 	<b>Connector of Devices</b> M3.5 Screw Screw-type Terminal
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#### Cables

Shielded Cable with connector on both sides (Mold Type) for 96-pin Half Pitch Connector

PCB96PS-0.5P (0.5m)

PCB96PS-1.5P (1.5m)

PCB96PS-3P (3m)

PCB96PS-5P (5m)



Flat Cable with connector on both sides for 96-pin Half Pitch Connector

PCB96P-1.5 (1.5m)

PCB96P-3 (3m)

PCB96P-5 (5m)



37-pin D-SUB×2 Distribution Shielded Cable for 96-pin Half Pitch Connector

PCB96WS-1.5P (1.5m)

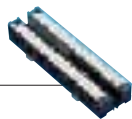
PCB96WS-3P (3m)

PCB96WS-5P (5m)



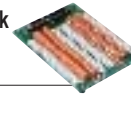
#### Accessories

##### Terminal Unit EPD-96



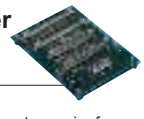
219.5(W) × 64(D) × 35.5(H) mm  
 35mm DIN-rail Mountable  
 Terminal pitch: 8.5 mm  
 \* Cables optional

##### Screw-type Terminal Block DTP-64(PC)



170(W) × 122(H) mm  
 \* Cables optional

##### Connector Converter CCB-96



145(W) × 122(H) mm  
 It converts 96-pin half pitch connectors to a pair of general-purpose, 37-pin female D-type connectors.  
 \* Cables optional

##### Terminal Unit EPD-50A



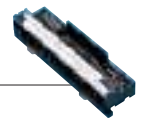
202.5(W) × 40(D) × 54.8(H) mm  
 35mm DIN-rail Mountable  
 Connector: 10250-52A2JL (3M) or equivalent  
 Terminal pitch: 7.62 mm \* Cables optional

##### Terminal Unit EPD-37A



158.4(W) × 40(D) × 54.8(H) mm  
 35mm DIN-rail Mountable  
 Connector: DCLC-J37SAF-20L9 [JAE] or equivalent  
 Terminal pitch: 7.62 mm \* Cables optional

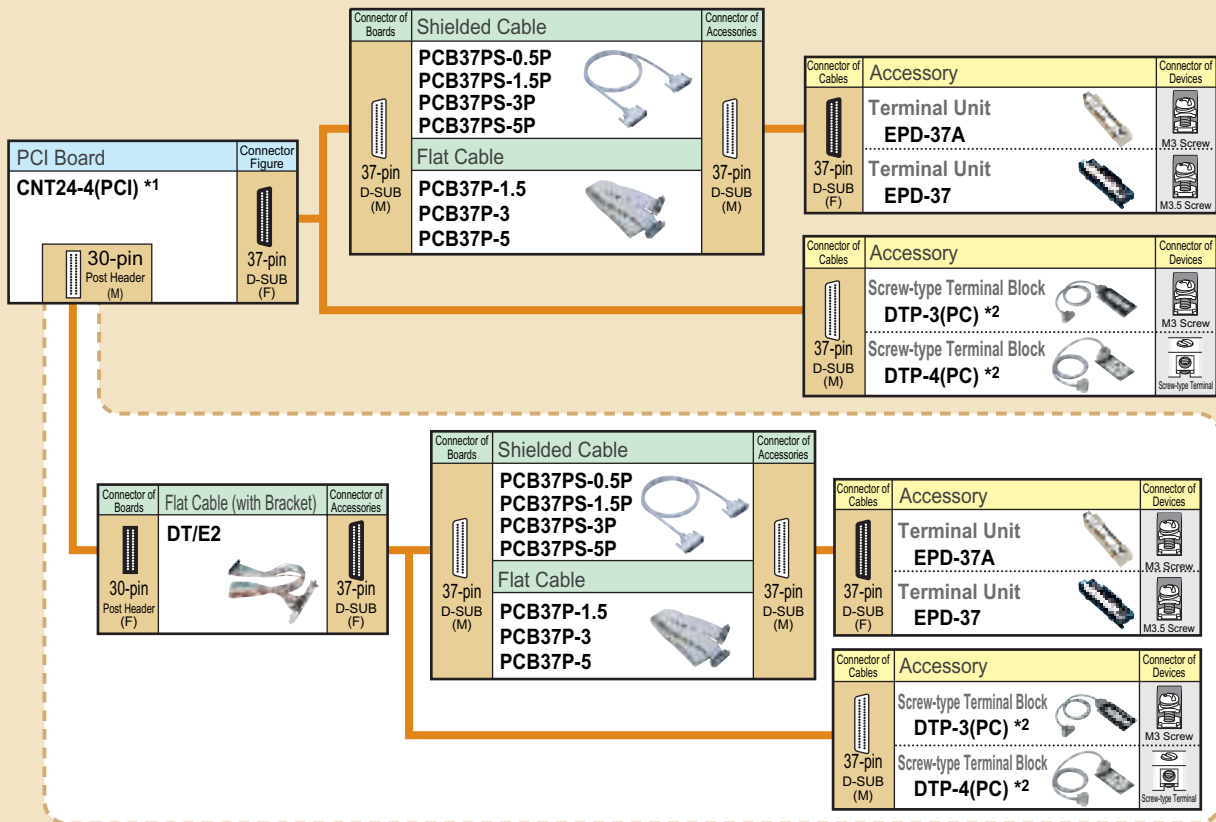
##### Terminal Unit EPD-37



226(W) × 64(D) × 40.5(H) mm  
 35mm DIN-rail Mountable  
 Connector: DCLC-J37SAF-20L9 [JAE] or equivalent  
 Terminal pitch: 10 mm \* Cables optional

# Accessories & Cables

## 37-pin D-SUB Connector Type



\*1: External interface for opto-isolated input provided through 37-pin D-SUB connector. TTL-level input provided through on-board 30-pin post header connector.  
 \*2: When supplied cable (1m) is insufficient in length other cables are available (PCB37PS-\* or PCB37P-\*).

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### Cables

37-pin D-SUB×2 Distribution Flat Cable for 96-pin Half Pitch Connector

PCB96W-1.5P (1.5m)

PCB96W-3P (3m)

PCB96W-5P (5m)

50-pin Mini-Ribbon Shielded Conversion Cable for 68-pin 0.8mm Pitch Connector

CNT-68M/50M

15-pin D-SUB Flat Conversion Cable (with bracket) for 30-pin Post Header

DT/B2

Shielded Cable with connector on both sides for 37-pin D-SUB Connector

PCB37PS-0.5P (0.5m)

PCB37PS-1.5P (1.5m)

PCB37PS-3P (3m)

PCB37PS-5P (5m)

Flat Cable with connector on both sides for 37-pin D-SUB Connector

PCB37P-1.5 (1.5m)

PCB37P-3 (3m)

PCB37P-5 (5m)

### DIN-rail Adapter

DIN-ADP-1

DIN-rail Adapter for terminal panels

● For use with CCB-96



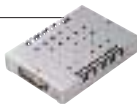
### Accessories

Differential / TTL Input Terminal CTP-4D

120(W) × 88(D) × 22(H) mm

Differential input will be enabled by connecting it to the count card [CNT32-4MT(CB)].

\* Cables optional



Screw-type Terminal Block DTP-3(PC)

190(W) × 105(H) mm

\* Attached cable (1m)



Screw-type Terminal Block DTP-4(PC)

160(W) × 82(H) mm


\* Attached cable (1m)






# Accessories & Cables


## Counter Accessories & Cables (connector on one side)



### 96-pin Half Pitch Connector Type

PCI Board	Connector Figure
CNT24-4D(PCI) CNT32-8M(PCI)	 96-pin Half Pitch (M)


Connector of Boards	Shielded Cable
 96-pin Half Pitch (F)	PCA96PS-0.5P PCA96PS-1.5P PCA96PS-3P PCA96PS-5P 
	Flat Cable
	PCA96P-1.5 PCA96P-3 PCA96P-5 




### 68-pin 0.8mm Pitch Connector Type




PC Card	Connector Figure
CNT32-4MT(CB)	 68-pin 0.8mm Pitch (F)




Connector of Boards	Shielded Cable
 68-pin 0.8mm Pitch (M)	PCA68PS-0.5P PCA68PS-1.5P 



### 37-pin D-SUB Connector Type

PCI Board	Connector Figure
CNT24-4(PCI) *1	 37-pin D-SUB (F)

Connector of Boards	Shielded Cable
 37-pin D-SUB (M)	PCA37PS-0.5P PCA37PS-1.5P PCA37PS-3P PCA37PS-5P 
	Flat Cable
	PCA37P-1.5 PCA37P-3 PCA37P-5 

Connector of Boards	Flat Cable (with bracket)	Connector of Accessories
 30-pin Post Header (F)	DT-B2 	 37-pin D-SUB (F)

Connector of Boards	Shielded Cable
 37-pin D-SUB (F)	PCA37PS-0.5P PCA37PS-1.5P PCA37PS-3P PCA37PS-5P 
	Flat Cable
	PCA37P-1.5 PCA37P-3 PCA37P-5 

Connector of Boards	Shielded Cable
 30-pin Post Header (F)	DT/O 

\*1: Opto-isolated input is provided through 37-pin D-SUB connector (CN1) and TTL-level input through on-board 30-pin post header connector (CN2).  
When using TTL-level input, use either flat cable DT/O or flat cable DT/B2 that is equipped with a bracket. Cables and accessory can be connected at that point.

### Cables

Shielded Cable with connector on one side (Mold Type) for 37-pin D-SUB Connector

PCA37PS-0.5P

PCA37PS-1.5P

PCA37PS-3P

PCA37PS-5P



Flat Cable with connector on one side for 37-pin D-SUB Connector

PCA37P-1.5

PCA37P-3

PCA37P-5



Flat Cable with connector on one side for 30-pin Post Header

DT/O

15-pin D-SUB Flat Conversion Cable (with bracket) for 30-pin Post Header

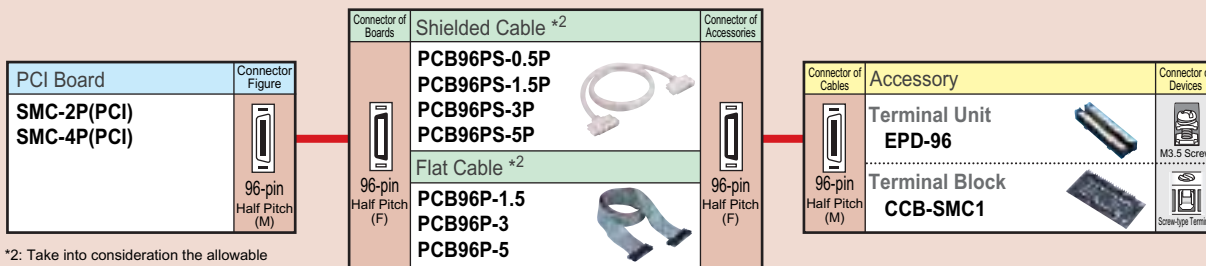
DT-B2



# Accessories & Cables

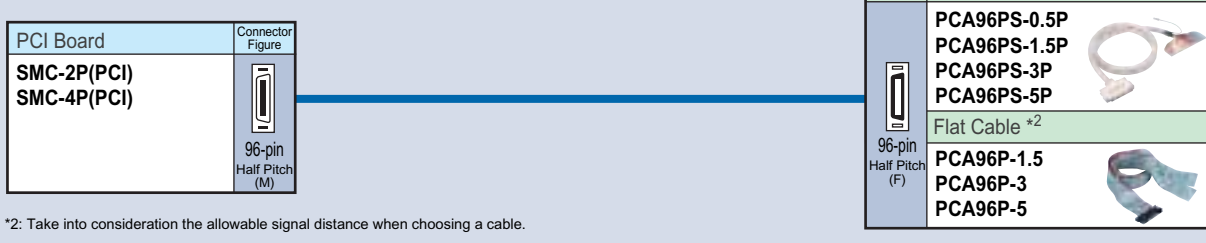
## Motor Control Accessories & Cables (connector on both sides)






### 96-pin Half Pitch Connector Type



## Motor Control Accessories & Cables (connector on one side)


### 96-pin Half Pitch Connector Type



Cables	
<b>Shielded Cable with connector on one side (Mold Type) for 96-pin Half Pitch Connector</b> <b>PCA96PS-0.5P</b> <hr/> <b>PCA96PS-1.5P</b> <hr/> <b>PCA96PS-3P</b> <hr/> <b>PCA96PS-5P</b>	
<b>Shielded Cable with connector on both sides (Mold Type) for 96-pin Half Pitch Connector</b> <b>PCB96PS-0.5P</b> <hr/> <b>PCB96PS-1.5P</b> <hr/> <b>PCB96PS-3P</b> <hr/> <b>PCB96PS-5P</b>	
<b>Flat Cable with connector on one side for 96-pin Half Pitch Connector</b> <b>PCA96P-1.5</b> <hr/> <b>PCA96P-3</b> <hr/> <b>PCA96P-5</b>	
<b>Flat Cable with connector on both sides for 96-pin Half Pitch Connector</b> <b>PCB96P-1.5</b> <hr/> <b>PCB96P-3</b> <hr/> <b>PCB96P-5</b>	
<b>Shielded Cable with connector on one side for 68-pin 0.8mm Pitch Connector</b> <b>PCA68PS-0.5P (0.5m)</b> <hr/> <b>PCA68PS-1.5P (1.5m)</b>	

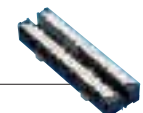

**DIN-rail Adapter**

**DIN-ADP-1**



DIN-rail Adapter for terminal panels

● For use with CCB-SMC1

Accessories	
<b>Terminal Unit EPD-96</b>  219.5(W) × 64(D) × 35.5(H) mm 35mm DIN-rail Mountable Terminal pitch: 8.5 mm * Cables optional	<b>Terminal Block CCB-SMC1</b>  170(W) × 122(H) mm * Cables optional Distributes each channel to 37-pin D-SUB connector to facilitate the connection with driver amplifier. Supports encoder input system of line driver/open collector (jumper switching). Screw-type terminal enables easy connection of limit sensors of varying types. Using optional DIN-ADP1, it can be mounted on 35mm DIN rail.

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# Accessories & Cables

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Communication

## Communication Cables

Board	Connector of the Board	Cables & Unit	Connector of the Device
COM-4PD(PCI)H 37-pin D-type (F)	37-pin D-type (M)	<b>Cables for COM-4 Channel Board</b> 37-pin D-type (male) → 9-pin D-type (male) x4 Shielded Cables <b>PCE37/9PS</b> Length: 0.25m 	9-pin D-type (M) x 4
	37-pin D-type (M)	<b>Cables for COM-4 Channel Board</b> 37-pin D-type (male) → 25-pin D-type (male) x4 Shielded Cables <b>PCE37/25PS</b> Length: 0.25m 	25-pin D-type (M) x 4
COM-4(PCI)H COM-4P(PCI)H 37-pin D-type (F)	37-pin D-type (M)	<b>Cables for COM-4 Channel Board</b> 37-pin D-type (male) → 9-pin D-type (male) x4 Shielded Cables <b>PCE37/9PS</b> Length: 0.25m 	9-pin D-type (M) x 4 <b>A</b>
	37-pin D-type (M)	<b>Cables for COM-4 Channel Board</b> 37-pin D-type (male) → 25-pin D-type (male) x4 Shielded Cables <b>PCE37/25PS</b> Length: 0.25m 	25-pin D-type (M) x 4 <b>B</b>
	37-pin D-type (M)	<b>Cable for CCU-78F/25male of COM-4 Channel Board</b> <b>RSS-78M/37M</b> Length: 2m  + <b>Distribution Unit for the COM-8(PCI)H/COM-4(PCI)H</b> <b>CCU-78F/25M</b> The break-out box has 8 channels with 25-pin D-type connectors equipped with LEDs for monitoring the communication state of each channel. Connection cables are not included. Unit is DIN-rail mountable.  * CCU-78F/25M is not insulated and cannot be used with CONTEC's COM-4P(PCI)H. <b>Optional Cables</b> RSC-25F, RSS-25F/9M, RSS-25M/F, RSC-25F/9F	25-pin D-type (M) x 8 <b>B</b>
COM-2(LPCI)H 44-pin D-type (F)	44-pin D-type (M)	<b>Cables for COM-2 Channel Board</b> <b>PCE44/9P2S</b> Length: 0.25m 	9-pin D-type (M) x 2 <b>A</b>
COM-4(LPCI)H 44-pin D-type (F)	44-pin D-type (M)	<b>Cables for COM-4 Channel Board</b> <b>PCE44/9P4S</b> Length: 0.25m 	9-pin D-type (M) x 4 <b>A</b>
COM-8(PCI)H 78-pin D-type (F)	78-pin D-type (M)	<b>Cables for COM-8 Channel Board</b> <b>PCE78/9PS</b> Length: 1m 	9-pin D-type (M) x 8 <b>A</b>
	78-pin D-type (M)	<b>Cables for COM-8 Channel Board</b> <b>PCE78/25PS</b> Length: 1m 	25-pin D-type (M) x 8 <b>B</b>
	78-pin D-type (M)	<b>Cables for CCU-78F/25M of COM-4 Channel Board</b> <b>RSS-78M</b> Length: 2m  + <b>Distribution Unit for the COM-8(PCI)H/COM-4(PCI)H</b> <b>CCU-78F/25M</b> The break-out box has 8 channels with 25-pin D-type connectors equipped with LEDs for monitoring the communication state of each channel. Connection cables are not included. Unit is DIN-rail mountable.  * CCU-78F/25M is not insulated and cannot be used with CONTEC's COM-4P(PCI)H. <b>Optional Cables</b> RSC-25F, RSS-25F/9M, RSS-25M/F, RSC-25F/9F	25-pin D-type (M) x 8 <b>B</b>

# Accessories & Cables

Connector of the Board				Connector of the Device
COM-1(LPCI)H	COM-2(PCI)H	COM-2P(PCI)H	COM-1P(CB)H	9-pin D-type (M)
COM-1(CB)H	COM-2(CB)H	COM-4(CB)H	COM-1PD(CB)H	
COM-1(PM)	COM-2(PM)	COM-1(USB)H	COM-1P(USB)H	
COM-1PD(USB)H	RP-COM(FIT)GY	FX-DS540-COM		



Cables			Connector of the Device
A	<b>Straight Cables</b> ■ 9-pin D-type (male) ⇔ 9-pin D-type (female) Shielded Cable (1.8m) <b>RSS-9M/F</b> 	9-pin D-type (M)	9-pin D-type (F)
	<b>Cross Cables</b> ■ 9-pin D-type (female) ⇔ 9-pin D-type (female) Shielded Cable (1.8m) <b>RSC-9F</b> 	9-pin D-type (F)	9-pin D-type (M)
	<b>Straight Cables</b> ■ 25-pin D-type (male) ⇔ 9-pin D-type (female) Shielded Cable (1.8m) <b>RSS-25M/9F</b> 	25-pin D-type (M)	9-pin D-type (F)
	<b>Cross Cables</b> ■ 25-pin D-type (female) ⇔ 9-pin D-type (female) Shielded Cable (1.8m) <b>RSC-25F/9F</b> 	25-pin D-type (F)	9-pin D-type (M)

Cables			Connector of the Device
B	<b>Straight Cables</b> ■ 25-pin D-type (male) ⇔ 25-pin D-type (female) Shielded Cable (1.8m) <b>RSS-25M/F</b> 	25-pin D-type (M)	25-pin D-type (F)
	<b>Cross Cables</b> ■ 25-pin D-type (female) ⇔ 25-pin D-type (female) Shielded Cable (1.8m) <b>RSC-25F</b> 	25-pin D-type (F)	25-pin D-type (M)
	<b>Straight Cables</b> ■ 25-pin D-type (female) ⇔ 9-pin D-type (male) Shielded Cable (1.8m) <b>RSS-25F/9M</b> 	9-pin D-type (M)	9-pin D-type (F)
	<b>Cross Cables</b> ■ 25-pin D-type (female) ⇔ 9-pin D-type (female) Shielded Cable (1.8m) <b>RSC-25F/9F</b> 	9-pin D-type (F)	9-pin D-type (M)

## Options for Communication Board

### Connectors

■ 9-pin D-type (male) Connector (5pcs)  
CN5-D9M



■ 9-pin D-type (female) Connector (5pcs)  
CN5-D9F



■ 25-pin D-type (male) Connector (5pcs)  
CN5-D25M



■ 25-pin D-type (female) Connector (5pcs)  
CN5-D25F



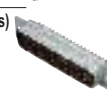
■ 37-pin D-type (male) Connector (5pcs)  
CN5-D37M



■ 44-pin D-type (male) Connector (5pcs)  
CN5-D44M



■ 78-pin D-type (male) Connector (5pcs)  
CN5-D78M



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