



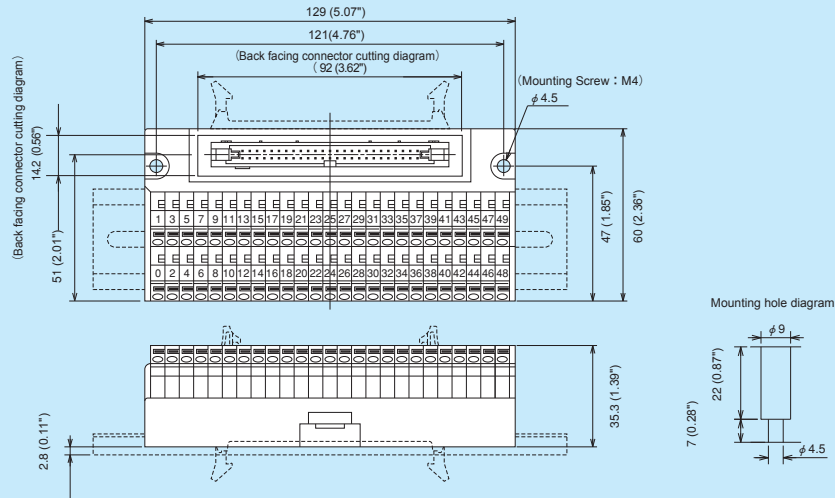


# PM5DW series

PM5DW

Standard MIL Connector Model

## PM5DW-50V/H/B



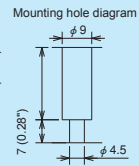
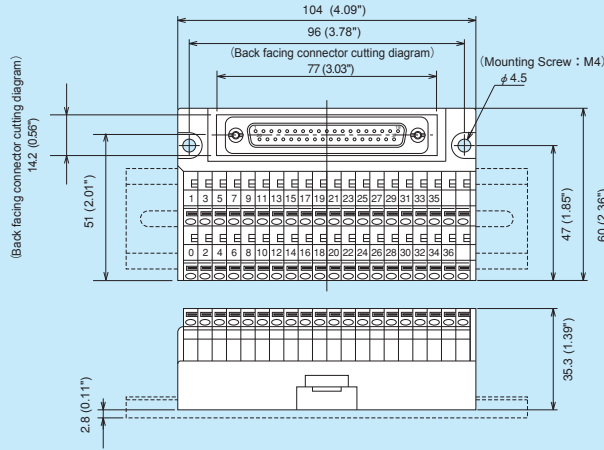
A	B	Wiring No.
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	TB	Wiring No.
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# Push-In Terminal Block 50mm Pitch Half Sized Terminal Block



## D-Sub Connector Model

PM5DW-37V3A/B3A (JAE connector P/N : DC-37P-T-N)  
PM5DW-37V4A/B4A (Hirose connector P/N : SDCB-37P)

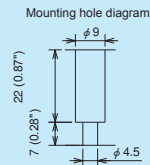
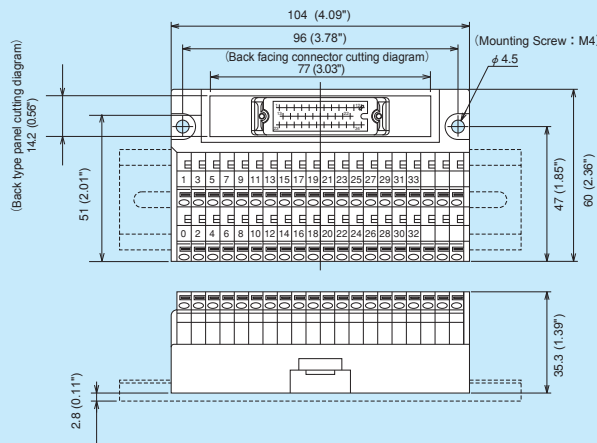


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	CN No.			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	Wiring	
																																								TB No.

\* Long length models available. Please see page 19 for details.

## MR Connector Model HTK (Honda Tsushin Kogyo)

PM5DW-34V8/B8 (Male connector P/N : MR-34RMD2)  
PM5DW-34V8-F/B8-F (Female connector P/N : MR-34RFD2)



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	CN No.			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	Wiring	
																																								TB No.

\* Long length models available. Please see page 20 for details.



# Connector list

## MIL-Standard Connector List

P/N	Manufacturer	Connector Side	Connector Direction	20P	30P	34P	40P	50P	
1	<b>Obsolete</b>								
2	Omron	Module Side	V/B	XG4A-2031	XG4A-3031	XG4A-3431	XG4A-4031	XG4A-5031	
			H	XG4A-2034	XG4A-3034	XG4A-3434	XG4A-4034	XG4A-5034	
		Cable Side	Flat	XG4M-2030	XG4M-3030	XG4M-3430	XG4M-4030	XG4M-5030	
			Round	XG5M-203*	XG5M-303*	XG5M-343*	XG5M-403*	XG5M-503*	
3	JAE	Module Side	V/B	PS-20PE-D4T1-LP1	PS-30PE-D4T1-LP1	PS-34PE-D4T1-LP1	PS-40PE-D4T1-LR	PS-50PE-D4T1-LP1	
			H	PS-20PE-D4LT1-LP1	PS-30PE-D4LT1-LP1	PS-34PE-D4LT1-LP1	PS-40PE-D4LT1-LP1	PS-50PE-D4LT1-LP1	
		Cable Side	Flat	PS-20SEN-D4P1-1C	PS-30SEN-D4P1-1C	PS-34SEN-D4P1-1C	PS-40SEN-D4P1-1C	PS-50SEN-D4P1-1C	
			Round	PS-D4C20	PS-D4C30	PS-D4C34	PS-D4C40	PS-D4C50	
4	Hirose Connectors	Module Side	V/B	HIF3BA-20PA-2.54DSA	HIF3BA-30PA-2.54DSA	HIF3BA-34PA-2.54DSA	HIF3BA-40PA-2.54DSA	HIF3BA-50PA-2.54DSA	
			H	HIF3BA-20PA-2.54DS	HIF3BA-30PA-2.54DS	HIF3BA-34PA-2.54DS	HIF3BA-40PA-2.54DS	HIF3BA-50PA-2.54DS	
		Cable Side	Flat	HIF3BA-20D-2.54R	HIF3BA-30D-2.54R	HIF3BA-34D-2.54R	HIF3BA-40D-2.54R	HIF3BA-50D-2.54R	
			Round	HIF3BA-20D-2.54C	HIF3BA-30D-2.54C	HIF3BA-34D-2.54C	HIF3BA-40D-2.54C	HIF3BA-50D-2.54C	
5	<b>Obsolete</b>								
6	Fujitsu	Module Side	V/B	—	—	—	FCN-364P040-AU	—	
			H	—	—	—	FCN-365P040-AU	—	
		Cable Side	Flat Crimp	—	—	—	FCN-367J040-*/*/	—	
			Round Crimp	—	—	—	FCN-363J040-*/	—	
Soldering	—	—	—	FCN-361J040-*/	—				
7	<b>Obsolete</b>								
8	HTK Honda Tsushin Kogyo	Module Side	V/B	MR-20RMD2	—	MR-34RMD2	—	MR-50RMD2	
			Cable Side	Round Crimp	MRP-20F01	—	MRP-34F01	—	MRP-50F01
				Soldering	MR-20F	—	MR-34F	—	MR-50F
9	<b>Obsolete</b>								
10	Yamaichi Electronics	Module Side	V/B	FAP-2001-1204-OBS	FAP-3001-1204-OBS	FAP-3401-1204-OBS	FAP-4001-120-OBS	FAP-5001-1204-OBS	
			H	FAP-2001-1202-OBS	FAP-3001-1202-OBS	FAP-3401-1202-OBS	FAP-4001-120-OBS	FAP-5001-1202-OBS	
		Cable Side	Flat	FAS-2001-2101-OBF	FAS-3001-2101-OBF	FAS-3401-2101-OBF	FAS-4001-201-OBF	FAS-5001-2101-OBF	
			Round	UFS-20B-04	UFS-30B-04	UFS-34B-04	UFS-40B-04	UFS-50B-04	
11	KEL	Module Side	V/B	6201-020-256	6201-030-256	6201-034-256	6201-040-256	6201-050-256	
			H	6201-020-258	6201-030-258	6201-034-258	6201-040-258	6201-050-258	
		Cable Side	Flat	6200-020-601	6200-030-601	6200-034-601	6200-040-601	6200-050-601	
			Round	—	—	—	—	—	
12	DDK Daiichi Denshi Kogyo	Module Side	V/B	FRC5-C20S53T-OL	FRC5-C30S53T-OL	FRC5-C34S53T-OL	FRC5-C40S53T-OL	FRC5-C50S53T-OL	
			H	FRC5-C20L53T-OL	FRC5-C30L53T-OL	FRC5-C34L53T-OL	FRC5-C40L53T-OL	FRC5-C50L53T-OL	
		Cable Side	Flat	FRC5-A020-2TOS	FRC5-A030-2TOS	FRC5-A034-2TOS	FRC5-A040-2TOS	FRC5-A050-2TOS	
			Round	—	—	—	—	—	
13	JST	Module Side	V/B	RX-H201TD-1190	—	RX-H341TD-1190	RX-H401TD-1190	RX-H501TD-1190	
			H	RX-H201SD-1190	—	RX-H341SD-1190	RX-H401SD-1190	RX-H501SD-1190	
		Cable Side	Flat	RX-S201S-1390	—	RX-S341S-1390	RX-S401S-1390	RX-S501S-1390	
			Round	—	—	—	—	—	
14	3M	Module Side	V/B	3428-6002LCSC	3440-6002LCSC	3431-6002LCSC	3432-6002LCSC	3433-6002LCSC	
			H	3428-5002LCSC	3440-5002LCSC	3431-5002LCSC	3432-5002LCSC	3433-5002LCSC	
		Cable Side	Flat	7920-F500SC	7930-F500SC	7934-F500SC	7940-F500SC	7950-F500SC	
			Round	—	—	—	—	—	





# UL Compliant List

## UL Compliant Products

P/N	Voltage Rating	Maximum Current	Recommended wire	Note
PM5D	125V	1A	Solid: 14-26AWG. Stranded: 16-22AWG.	
PM5DW	125V	1A	Solid: 14-26AWG. Stranded: 16-22AWG.	
PM5WR	Input: TB side: DC24V CN side: AC125V / DC30V Output: TB side: AC250V / DC30V CN side: DC24V	Input: 1A (Resistance Inductive load) Output: 3A (Resistance load) 2A (Inductive load)	Solid: 14-26AWG. Stranded: 16-22AWG.	

## UL Compliant Connectors

P/N	Manufacturer	Mounting Direction	Part Number	Note
2	Omron	V/B	XG4A- ( ) 31	( ): Connector pin number
		H	XG4A- ( ) 34	
12	Daiichi Denshi	V/B	FRC5 - C ( ) S53T - OL	( ): Connector pin number
		H	FRC5 - C ( ) L53T - OL	
13	JST	V/B	RX - H ( ) ITD -1190	( ): Connector pin number
		H	RX - H ( ) ISD -1190	
14	3M	V/B	3 ( )- 6002LCSC	( ): Pin number code 428: 20P, 440: 30P, 431: 34P, 432: 40P, 433: 50P
		H	3 ( )- 6002LCSC	



## UL, C-UL Compliant Products

P/N	Voltage Rating	Maximum Current	Recommended wire	Note
PS5D	125V	1A	14-20AWG.	
PS7DS / PX7DS	125V	1A	16-20AWG.	
PS7DW / PX7DW	125V	1A	16-20AWG.	
PS7L / PX7L	DC24V	Input: 7mA (Input Impedance: 3.3kΩ) Output: 500mA	16-20AWG.	
PSDS/PXDS	125V	1A	14-18AWG.	
PSD / PXD	125V	1A	14-18AWG.	
PSL / PXL	DC24V	Input: 7mA (Input Impedance: 3.3kΩ) Output: 500mA	14-18AWG.	
PSP / PXP	DC24V	10mA MAX. (Open collector)	14-18AWG.	
PSND	125V	1A	10-16AWG.	
PSWR / PXWR	Input: TB side: DC24V CN side: AC125V / DC30V Output: TB side: AC250V / DC30V CN side: DC24V	Input: 1A (Resistance Inductive load) Output: 3A (Resistance load) 2A (Inductive load)	14-18AWG.	
PSWP / PXWP	Input : TB side: DC24V CN side: DC30V MAX. Output: TB side: DC30V MAX. CN side: DC30V MAX.	10mA MAX. (Open collector)	14-18AWG.	
PSWPX / PXWPX	Input : TB side: DC24V CN side: DC30V MAX. Output: TB side: DC30V MAX. CN side: DC24V MAX.	Input: 10mA MAX. (Open collector) Output: 100mA MAX. (Open collector)	14-18AWG.	
PSTD	125V	1A	14-18AWG.	

## UL, C-UL Compliant Connectors

P/N	Manufacturer	Mounting Direction	Part Number	Note
2	Omron	V/B	XG4A- ( ) 31	( ) : Connector pin number
		H	XG4A- ( ) 34	
12	Daiichi Denshi	V/B	FRC5 - C ( ) S53T - OL	( ) : Connector pin number
		H	FRC5 - C ( ) L53T - OL	
13	JST	V/B	RX - H ( ) ITD -1190	( ) : Connector pin number
		H	RX - H ( ) ISD -1190	
14	3M	V/B	3 ( ) - 6002LCSC	( ) : Pin number code 428: 20P, 440: 30P, 431: 34P, 432: 40P, 433: 50P
		H	3 ( ) - 6002LCSC	

**CSA Compliant Products**

P/N	Voltage Rating	Maximum Current	Recommended wire	Note
PM5D	125V	1A	Solid: 14-26AWG. Stranded: 16-22AWG.	
PM5DW	125V	1A	Solid: 14-26AWG. Stranded: 16-22AWG.	
PM5WR	Input: TB side: DC24V CN side: AC125V / DC30V Output: TB side: AC250V / DC30V CN side: DC24V	Input: 1A (Resistance Inductive load) Output: 3A (Resistance load) 2A (Inductive load)	Solid: 14-26AWG. Stranded: 16-22AWG.	
PS5D	125V	1A	14-20AWG.	
PS7DW / PX7DW	125V	1A	16-20AWG.	
PS7L / PX7L	DC24V	Input: 7mA (Input Impedance: 3.3kΩ) Output: 500mA	16-20AWG.	
PSD / PXD	*125V(60V)	1A	14-18AWG.	
PSL / PXL	DC24V	Input: 7mA (Input Impedance: 3.3kΩ) Output: 500mA	14-18AWG.	Except IZ
PSP / PXP	DC24V	10mA MAX. (Open collector)	14-18AWG.	
PSND	125V	1A	10-16AWG.	
PSWR / PXWR	Input: TB side: DC24V CN side: AC125V / DC30V Output: TB side: AC250V / DC30V CN side: DC24V	Input: 1A (Resistance Inductive load) Output: 3A (Resistance load) 2A (Inductive load)	14-18AWG.	
PSWP / PXWP	Input : TB side: DC24V CN side: DC30V MAX. Output: TB side: DC30V MAX. CN side: DC30V MAX.	10mA MAX. (Open collector)	14-18AWG.	
PSWPX / PXWPX	Input : TB side: DC24V CN side: DC30V MAX. Output: TB side: DC30V MAX. CN side: DC24V MAX.	Input: 10mA MAX. (Open collector) Output: 100mA MAX. (Open collector)	14-18AWG.	
PSTD	125V	1A	14-18AWG.	

\*Voltage rating of P/N "8" and "8-F" are 60V.

**CSA Compliant Connectors**

P/N		Mounting Direction	Part Number	Note
5	Fujitsu	V/B	FCN - 604Q064-G/M	Only 64p is capable
		H	FCN - 605Q064-G/M	
6		V/B	FCN - 364P040-AU	Only 40p is capable
		H	FCN - 365P040-AU	
8	HTK	V/B	MR- ( ) RMD2	( ) : Connector pin number
8-F	Honda Tsushin Kogyo	V/B	MR- ( ) RFD2	
9			Obsolete	
10	Yamaichi Electronics	V/B	FAB- ( ) 01-1204-OBS	( ) : Connector pin number
		H	FAB- ( ) 01-1202-OBS	
14	3M	V/B	3 ( ) - 6002LCSC	( ) : Pin number code 662: 10P, 408: 16P, 428: 20P, 440: 30P, 431: 34P, 432: 40P 433: 50P
		H	3 ( ) - 5002LCSC	
3A	JAE	V	DA-15P-T-N	
			DB-25P-T-N	
			DC-37P-T-N	
4A	Hirose Connectors	V	SDAB-15P	
			SDBB-25P	
			SDCB-37P	

★ The products and specifications described in this manual or the content and presentation of the manual may be changed without notice to improve the product and/or the manual.

