

▼ Mitsubishi Q Series Supported Cable Pin Assignment (Mark Tube Printing) Figure

For QY71			
GPN-Q23Y/GPN-Q23T			
(Custom No.) X-PLC0006			
Output Connector			
Signal Name	B A	Signal Name	B A
Y00	20 20	Y10	20 20
Y01	19 19	Y11	19 19
Y02	18 18	Y12	18 18
Y03	17 17	Y13	17 17
Y04	16 16	Y14	16 16
Y05	15 15	Y15	15 15
Y06	14 14	Y16	14 14
Y07	13 13	Y17	13 13
Y08	12 12	Y18	12 12
Y09	11 11	Y19	11 11
Y0A	10 10	Y1A	10 10
Y0B	9 9	Y1B	9 9
Y0C	8 8	Y1C	8 8
Y0D	7 7	Y1D	7 7
Y0E	6 6	Y1E	6 6
Y0F	5 5	Y1F	5 5
	4 4		4 4
	3 3		3 3
5/12VDC_B	2 2	COM_B	2 2
5/12VDC_A	1 1	COM_A	1 1

FCN Male 40-Core

Product Page [542, 544](#)

For QD70P4			
GPN-Q28Y/GPN-Q28T			
(Custom No.) X-PLC0012			
Input / Output Connector			
Signal Name	B A	Signal Name	B A
PG02COM	20 20	PG04COM	20 20
PG02	19 19	PG04	19 19
PG01COM	18 18	PG03COM	18 18
PG01	17 17	PG03	17 17
CLEAR2COM	16 16	CLEAR4COM	16 16
CLEAR2	15 15	CLEAR4	15 15
CLEAR1COM	14 14	CLEAR3COM	14 14
CLEAR1	13 13	CLEAR3	13 13
CHG2	12 12	CHG4	12 12
CHG1	11 11	CHG3	11 11
DOG2	10 10	DOG4	10 10
DOG1	9 9	DOG3	9 9
COM1-2	8 8	COM3-4	8 8
PULSEF2	7 7	PULSEF4	7 7
PULSECOM2	6 6	PULSECOM4	6 6
PULSER2	5 5	PULSER4	5 5
PULSEF1	4 4	PULSEF3	4 4
PULSECOM1	3 3	PULSECOM3	3 3
PULSER1	2 2	PULSER3	2 2
	1 1	24G	1 1
		+24V	

FCN Male 40-Core

Product Page [542, 544](#)

For QY82P			
GPN-Q65Y/GPN-Q65T		GPN-Q66Y/GPN-Q66T	
(Custom No.) X-PLC0401		(Custom No.) X-PLC0402	
Output Connector 1			
Signal Name	B A	Signal Name	B A
Y00	20 20	Y10	20 20
Y01	19 19	Y11	19 19
Y02	18 18	Y12	18 18
Y03	17 17	Y13	17 17
Y04	16 16	Y14	16 16
Y05	15 15	Y15	15 15
Y06	14 14	Y16	14 14
Y07	13 13	Y17	13 13
Y08	12 12	Y18	12 12
Y09	11 11	Y19	11 11
Y0A	10 10	Y1A	10 10
Y0B	9 9	Y1B	9 9
Y0C	8 8	Y1C	8 8
Y0D	7 7	Y1D	7 7
Y0E	6 6	Y1E	6 6
Y0F	5 5	Y1F	5 5
	4 4		4 4
	3 3		3 3
COM1	2 2	OV	2 2
COM1	1 1	OV	1 1

FCN Male 40-Core

Product Page [542, 544](#)

Connector Included Cable Documents

For QY42P			
GPN-Q24Y/GPN-Q24T		GPN-Q25Y/GPN-Q25T	
(Custom No.) X-PLC0008		(Custom No.) X-PLC0009	
Output Connector 1			
Signal Name	B A	Signal Name	B A
Y00	20 20	Y10	20 20
Y01	19 19	Y11	19 19
Y02	18 18	Y12	18 18
Y03	17 17	Y13	17 17
Y04	16 16	Y14	16 16
Y05	15 15	Y15	15 15
Y06	14 14	Y16	14 14
Y07	13 13	Y17	13 13
Y08	12 12	Y18	12 12
Y09	11 11	Y19	11 11
Y0A	10 10	Y1A	10 10
Y0B	9 9	Y1B	9 9
Y0C	8 8	Y1C	8 8
Y0D	7 7	Y1D	7 7
Y0E	6 6	Y1E	6 6
Y0F	5 5	Y1F	5 5
	4 4		4 4
	3 3		3 3
12/24VDC_B	2 2	12/24VDC_B	2 2
12/24VDC_A	1 1	12/24VDC_A	1 1

FCN Male 40-Core

Product Page [542, 544](#)

For QD70P8			
GPN-Q29Y/GPN-Q29T		GPN-Q32Y/GPN-Q32T	
(Custom No.) X-PLC0013		(Custom No.) X-PLC0014	
Input / Output Connector 1			
Signal Name	B A	Signal Name	B A
PG08COM	20 20	PG08COM	20 20
PG08	19 19	PG08	19 19
PG07COM	18 18	PG07COM	18 18
PG07	17 17	PG07	17 17
CLEAR8COM	16 16	CLEAR8COM	16 16
CLEAR8	15 15	CLEAR8	15 15
CLEAR7COM	14 14	CLEAR7COM	14 14
CLEAR7	13 13	CLEAR7	13 13
CHG8	12 12	CHG8	12 12
CHG5	11 11	CHG7	11 11
DOG8	10 10	DOG8	10 10
DOG5	9 9	DOG7	9 9
COM5-6	8 8	COM7-8	8 8
PULSEF6	7 7	PULSEF8	7 7
PULSECOM6	6 6	PULSECOM8	6 6
PULSER6	5 5	PULSER8	5 5
PULSEF5	4 4	PULSEF7	4 4
PULSECOM5	3 3	PULSECOM7	3 3
PULSER5	2 2	PULSER7	2 2
	1 1		1 1
		+24V	

FCN Male 40-Core

Product Page [542, 544](#)

For QD75P1			
GPN-Q33Y/GPN-Q33T			
(Custom No.) X-PLC0310			
Input / Output Connector			
Signal Name	B A	Signal Name	B A
	20 20	PULSEB+	20 20
	19 19	PULSERB+	19 19
	18 18	PULSECOM_2	18 18
	17 17	PULSER	17 17
	16 16	PULSECOM_1	16 16
	15 15	PULSEF	15 15
	14 14	CLRCOM	14 14
	13 13	CLEAR	13 13
	12 12	RDYCOM	12 12
	11 11	READY	11 11
	10 10	PG0COM	10 10
	9 9	PG05	9 9
	8 8	PG024	8 8
	7 7	COM_2	7 7
	6 6	COM_1	6 6
	5 5	CHG	5 5
	4 4	STOP	4 4
	3 3	DOG	3 3
	2 2	RLS	2 2
	1 1	RLS	1 1

FCN Male 40-Core

Product Page [542, 544](#)

For QD75P2			
GPN-Q34Y/GPN-Q34T			
(Custom No.) X-PLC0016			
Input / Output Connector			
Signal Name	B A	Signal Name	B A
PULSERB-	20 20	PULSERB+	20 20
PULSERB-	19 19	PULSERB+	19 19
PULSECOM_B2	18 18	PULSECOM_A2	18 18
PULSER_B	17 17	PULSER_A	17 17
PULSECOM_B1	16 16	PULSECOM_A1	16 16
PULSERF_B	15 15	PULSERF_A	15 15
CLRCOM_B	14 14	CLRCOM_A	14 14
CLEAR_B	13 13	CLEAR_A	13 13
RDYCOM_B	12 12	RDYCOM_A	12 12
READY_B	11 11	READY_A	11 11
PG0COM_B	10 10	PG0COM_A	10 10
PG05_B	9 9	PG05_A	9 9
PG024_B	8 8	PG024_A	8 8
COM_B2	7 7	COM_A2	7 7
COM_B1	6 6	COM_A1	6 6
CHG_B	5 5	CHG_A	5 5
STOP_B	4 4	STOP_A	4 4
DOG_B	3 3	DOG_A	3 3
RLS_B	2 2	RLS_A	2 2
RLS_B	1 1	RLS_A	1 1

FCN Male 40-Core

Product Page [542, 544](#)

For QD75P4			
GPN-Q36Y/GPN-Q36T		GPN-Q35Y/GPN-Q35T	
(Custom No.) X-PLC0018		(Custom No.) X-PLC0017	
Input / Output Connector 2			
Signal Name	B A	Signal Name	B A
PULSECOM_B2	18 18	PULSECOM_A2	18 18
PULSER_B	17 17	PULSER_A	17 17
PULSECOM_B1	16 16	PULSECOM_A1	16 16
PULSERF_B	15 15	PULSERF_A	15 15
CLRCOM_B	14 14	CLRCOM_A	14 14
CLEAR_B	13 13	CLEAR_A	13 13
RDYCOM_B	12 12	RDYCOM_A	12 12
READY_B	11 11	READY_A	11 11
PG0COM_B	10 10	PG0COM_A	10 10
PG05_B	9 9	PG05_A	9 9
PG024_B	8 8	PG024_A	8 8
COM_B2	7 7	COM_A2	7 7
COM_B1	6 6	COM_A1	6 6
CHG_B	5 5	CHG_A	5 5
STOP_B	4 4	STOP_A	4 4
DOG_B	3 3	DOG_A	3 3
RLS_B	2 2	RLS_A	2 2
RLS_B	1 1	RLS_A	1 1

FCN Male 40-Core

Product Page [542, 544](#)

For QD75D1			
GPN-Q37Y/GPN-Q37T			
(Custom No.) X-PLC0311			
Input / Output Connector			
Signal Name	B A	Signal Name	B A
	20 20	PULSEB+	20 20
	19 19	PULSERB+	19 19
	18 18	PULSER	18 18
	17 17	PULSER+	17 17
	16 16	PULSERF+	16 16
	15 15	PULSERF-	15 15
	14 14	CLRCOM	14 14
	13 13	CLEAR	13 13
	12 12	RDYCOM	12 12
	11 11	READY	11 11
	10 10	PG0COM	10 10
	9 9	PG05	9 9
	8 8	PG024	8 8
	7 7	COM_2	7 7
	6 6	COM_1	6 6
	5 5	CHG	5 5
	4 4	STOP	4 4
	3 3	DOG	3 3
	2 2	RLS	2 2
	1 1	RLS	1 1

FCN Male 40-Core

Product Page [542, 544](#)

* When ordering, put the custom No. at the end of the model number. (See the product page for the model number)

* Be sure to confirm the signal name upon placing an order as it may slightly differ from the PLC manufacturer manual, in order to distinguish identical signal names.

Pins with no signal name are not connected. Cables are selected according to the number of required pins.