

# OMRON PCB Connectors

RoHS Compliant This product is RoHS compliant.

## XG4 SERIES: FLAT CABLE CONNECTORS

### Features:

- Industry standard circuit board connectors conform to MIL standards with improved design

### Specifications:

- Rated Current: 1A
- Rated Voltage: 250 VAC
- Insertion Tolerance: 50 cycles
- Contact Material: Mating end - 0.15-µm gold plating
- Terminal press fit - tin plating

### MIL Socket and Strain Relief Sets

- Mates with XG4A MIL Plugs with Long Locks, XG4A 2-tier Plugs, XG4E RelayPlugs with Long Locks and XG4S Strain Reliefs, or XG4C Box-type Plugs
- For quantities of 500 and up, call for quote.**

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Contacts	Dimensions (mm)					Price Each				
				A	B	C	D	E	1	25	50	100	
653-XG4M-1030-T	XG4M-1030-T	A	10	17.3	10.16	-	-	-	-	-	-	-	-
653-XG4M-1430-T	XG4M-1430-T	A	14	22.3	15.24	-	-	-	-	-	-	-	-
653-XG4M-1630-T	XG4M-1630-T	A	16	24.9	17.78	-	-	-	-	-	-	-	-
653-XG4M-2030-T	XG4M-2030-T	A	20	30.0	22.86	-	-	-	-	-	-	-	-
653-XG4M-2630-T	XG4M-2630-T	A	26	37.6	30.48	-	-	-	-	-	-	-	-
653-XG4M-3030-T	XG4M-3030-T	A	30	42.7	35.56	-	-	-	-	-	-	-	-
653-XG4M-3430-T	XG4M-3430-T	A	34	47.7	40.64	-	-	-	-	-	-	-	-
653-XG4M-4030-T	XG4M-4030-T	A	40	55.4	48.26	-	-	-	-	-	-	-	-
653-XG4M-5030-T	XG4M-5030-T	A	50	68.1	60.96	-	-	-	-	-	-	-	-
653-XG4M-6030-T	XG4M-6030-T	A	60	80.8	73.66	-	-	-	-	-	-	-	-
653-XG4M-6430-T	XG4M-6430-T	A	64	85.8	78.74	-	-	-	-	-	-	-	-

### MIL Connectors with Socket Locks

- Mates with XG4C Box-type Plugs
- For quantities of 500 and up, call for quote.**

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Contacts	Dimensions (mm)					Price Each				
				A	B	C	D	E	1	25	50	100	
653-XG4M-1030-U	XG4M-1030-U	B	10	26.8	13.2	26.2	17.3	10.16	-	-	-	-	-
653-XG4M-1430-U	XG4M-1430-U	B	14	31.8	18.2	31.2	22.3	15.24	-	-	-	-	-
653-XG4M-1630-U	XG4M-1630-U	B	16	34.4	20.8	33.8	24.9	17.78	-	-	-	-	-
653-XG4M-2030-U	XG4M-2030-U	B	20	39.5	25.9	38.9	30.0	22.86	-	-	-	-	-
653-XG4M-2630-U	XG4M-2630-U	B	26	47.1	33.5	46.5	37.6	30.48	-	-	-	-	-
653-XG4M-3030-U	XG4M-3030-U	B	30	52.2	38.6	51.6	42.7	35.56	-	-	-	-	-
653-XG4M-3430-U	XG4M-3430-U	B	34	57.2	43.6	56.6	47.7	40.64	-	-	-	-	-
653-XG4M-4030-U	XG4M-4030-U	B	40	64.9	51.3	64.3	55.4	48.26	-	-	-	-	-
653-XG4M-5030-U	XG4M-5030-U	B	50	77.6	64.0	77.0	68.1	60.96	-	-	-	-	-
653-XG4M-6030-U	XG4M-6030-U	B	60	90.3	76.7	89.7	80.8	73.66	-	-	-	-	-
653-XG4M-6430-U	XG4M-6430-U	B	64	95.3	81.7	94.7	85.8	78.74	-	-	-	-	-

### Double-row PCB Sockets

- Mates with XG4C Box-type Plugs
- For quantities of 500 and up, call for quote.**

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Contacts	Dimensions (mm)					Price Each				
				A	B	C	D	E	1	25	50	100	
653-XG5M-1032-N	XG5M-1032-N	C	10	17.3	10.16	-	-	-	-	-	-	-	-
653-XG5M-1432-N	XG5M-1432-N	C	14	22.3	15.24	-	-	-	-	-	-	-	-
653-XG5M-1632-N	XG5M-1632-N	C	16	24.9	17.78	-	-	-	-	-	-	-	-
653-XG5M-2032-N	XG5M-2032-N	C	20	30.0	22.86	-	-	-	-	-	-	-	-
653-XG5M-2632-N	XG5M-2632-N	C	26	37.6	30.48	-	-	-	-	-	-	-	-
653-XG5M-3032-N	XG5M-3032-N	C	30	42.7	35.56	-	-	-	-	-	-	-	-
653-XG5M-3432-N	XG5M-3432-N	C	34	47.7	40.64	-	-	-	-	-	-	-	-
653-XG5M-4032-N	XG5M-4032-N	C	40	55.4	48.26	-	-	-	-	-	-	-	-
653-XG5M-5032-N	XG5M-5032-N	C	50	68.1	60.96	-	-	-	-	-	-	-	-
653-XG5M-6032-N	XG5M-6032-N	C	60	80.8	73.66	-	-	-	-	-	-	-	-
653-XG5M-6432-N	XG5M-6432-N	C	64	85.8	78.74	-	-	-	-	-	-	-	-

### Semi-Covers for Connectors

653-XG5S-0501	XG5S-0501	D	5	-	-	-	-	-	-	-	-	-	-
653-XG5S-0801	XG5S-0801	D	8	-	-	-	-	-	-	-	-	-	-
653-XG5S-1501	XG5S-1501	D	15	-	-	-	-	-	-	-	-	-	-
653-XG5S-1701	XG5S-1701	D	17	-	-	-	-	-	-	-	-	-	-
653-XG5S-2001	XG5S-2001	D	20	-	-	-	-	-	-	-	-	-	-
653-XG5S-2501	XG5S-2501	D	25	-	-	-	-	-	-	-	-	-	-
653-XG5S-3001	XG5S-3001	D	30	-	-	-	-	-	-	-	-	-	-

### IDC Tool For Use With XG5M Connectors

653-XY2B-7006	XY2B-7006	E	Applicable wire AWG24 to AWG28										
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### Long-lock Relay Plugs with Open-end Covers

- Mates with XG4M MIL Connector and Strain Relief Sets or XG5M Sockets for Discrete Wires
- For quantities of 500 and up, call for quote.**

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Contacts	Dimensions (mm)							Price Each			
				A	B	C	D	E	F	G	1	25	50	100
<b>Relay Plugs</b>														
653-XG4E-1031	XG4E-1031	F	10	32.0	17.5	10.16	21.8	27.9	46.4	-	-	-	-	-
653-XG4E-1431	XG4E-1431	F	14	37.1	22.6	15.24	26.9	33.0	51.5	-	-	-	-	-
653-XG4E-1631	XG4E-1631	F	16	39.6	25.2	17.78	29.5	35.6	54.1	-	-	-	-	-
653-XG4E-2031	XG4E-2031	F	20	44.7	30.2	22.86	34.5	40.6	59.1	-	-	-	-	-
653-XG4E-2631	XG4E-2631	F	26	52.3	37.9	30.48	42.2	48.3	66.8	-	-	-	-	-
653-XG4E-3031	XG4E-3031	F	30	57.4	42.9	35.56	47.2	53.3	71.8	-	-	-	-	-
653-XG4E-3431	XG4E-3431	F	34	62.5	48.0	40.64	52.3	58.4	76.9	-	-	-	-	-
653-XG4E-4031	XG4E-4031	F	40	70.1	55.6	48.26	59.9	66.0	84.5	-	-	-	-	-
653-XG4E-5031	XG4E-5031	F	50	82.8	68.3	60.96	72.6	78.7	97.2	-	-	-	-	-
653-XG4E-6031	XG4E-6031	F	60	95.5	81.0	73.66	85.3	91.4	109.9	-	-	-	-	-
653-XG4E-6431	XG4E-6431	F	64	100.6	86.1	78.74	90.4	96.5	115.0	-	-	-	-	-

### Strain Reliefs

653-XG4S-1004	XG4S-1004	G	10	-	-	-	-	-	-	16.9	-	-	-	-
653-XG4S-1404	XG4S-1404	G	14	-	-	-	-	-	-	22.0	-	-	-	-
653-XG4S-1604	XG4S-1604	G	16	-	-	-	-	-	-	24.6	-	-	-	-
653-XG4S-2004	XG4S-2004	G	20	-	-	-	-	-	-	29.6	-	-	-	-
653-XG4S-2604	XG4S-2604	G	26	-	-	-	-	-	-	38.0	-	-	-	-
653-XG4S-3004	XG4S-3004	G	30	-	-	-	-	-	-	42.3	-	-	-	-
653-XG4S-3404	XG4S-3404	G	34	-	-	-	-	-	-	47.4	-	-	-	-
653-XG4S-4004	XG4S-4004	G	40	-	-	-	-	-	-	55.0	-	-	-	-
653-XG4S-5004	XG4S-5004	G	50	-	-	-	-	-	-	67.7	-	-	-	-
653-XG4S-6004	XG4S-6004	G	60	-	-	-	-	-	-	80.4	-	-	-	-
653-XG4S-6404	XG4S-6404	G	64	-	-	-	-	-	-	85.5	-	-	-	-

**DIMENSIONS: mm**

**A**

**B**

**C**

**D**

**E**

**F**

**G**

Rectangular Connectors Omron