

OMRON FPC and Sensor I/O Connectors



OMRON XB4A/XB4B SERIES: 0.4MM PITCH BOARD TO FPC CONNECTORS

- Features:**
- Ultra-low profile connector with a stacking height of 0.9mm guarantees easy operation and high contact reliability.
 - The ultra-low profile provides a firm tactile "click" and a high removal force

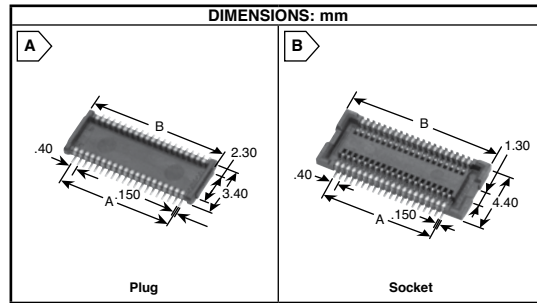
- Twist-resistant design allows removal in all directions.
- Easy insertion through self-alignment
- Double contacts ensure highly reliable contact.

- Specifications:**
- Rated Current: 0.3A
 - Rated Voltage: 50VAC/DC
 - Insertion tolerance: 50 times
 - Contacts: Spring copper alloy/nickel substrate (2 μm); Gold-plated contacts (0.15 μm)

RoHS Compliant

For quantities greater than listed, call for quote.

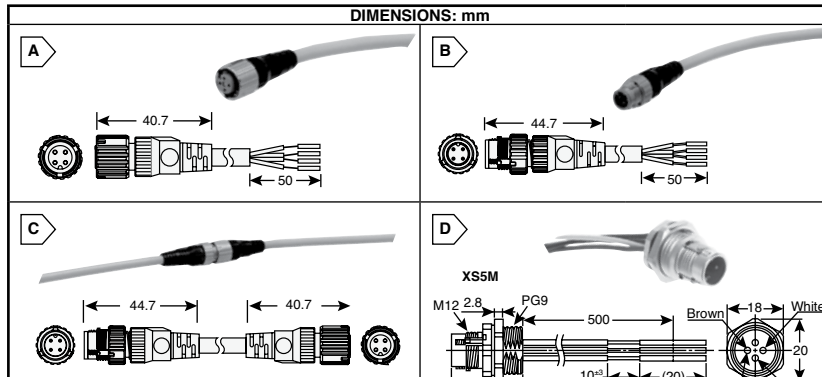
MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Circuits	Contact	Dimensions: mm		Price Each				Reel Qty.	Reel Price Each
					A	B	1	25	50	100		
653-XB4A-2435-D	XB4A-2435-D	A	24	Plug	4.4	6.1	.77	.699	.655	.611	3000	.511
653-XB4A-4035-D	XB4A-4035-D	A	40	Plug	7.6	9.3	.94	.844	.777	.666	3000	.488
653-XB4A-8035-D	XB4A-8035-D	A	80	Plug	15.6	17.3	1.39	1.25	1.11	.99	3000	.844
653-XB4B-8035-D	XB4B-8035-D	B	80	Socket	15.6	18.4	1.61	1.45	1.33	1.14	3000	.856



OMRON XS5 SERIES: WATER-RESISTIVE SENSOR I/O CONNECTORS AND CABLES

- Features:**
- A newly developed lock mechanism that is compatible with round M12 connectors
 - Simply insert the connectors, then turn them approximately 1/8 of a turn to lock.
 - A positive click indicates locking.
 - Features the same degree of protection (IP67) as M12 connectors.
 - UL approval pending.

- Specifications:**
- Rated Current: 3A/pole (using 0.5mm² wire)
2A/pole (using 0.3mm² wire)
 - 1A/pole (using 0.2mm² wire)
0.5A/pole (using 0.1mm² wire)
 - Insertion Tolerance: 50 cycles



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Description	Price Each			
				1	25	50	100
Connector to Cable, Socket on One Cable							
653-XS5F-D421-C80-A	XS5F-D421-C80-A	A	Standard cable, 1M	22.89	18.67	18.24	17.52
653-XS5F-D421-D80-A	XS5F-D421-D80-A	A	Standard cable, 2M	24.68	22.44	20.57	18.99
653-XS5F-D421-G80-A	XS5F-D421-G80-A	A	Standard cable, 5M	29.94	27.22	24.95	23.03
653-XS5F-D421-J80-A	XS5F-D421-J80-A	A	Standard cable, 10M	43.55	41.40	38.50	35.38
653-XS5F-D421-C80-F	XS5F-D421-C80-F	A	Vibration-proof robot cable, 1M	18.76	18.22	17.69	17.15
653-XS5F-D421-D80-F	XS5F-D421-D80-F	A	Vibration-proof robot cable, 2M	21.45	20.84	20.23	19.61
653-XS5F-D421-G80-F	XS5F-D421-G80-F	A	Vibration-proof robot cable, 5M	30.90	30.02	29.13	28.25
Connector to Cable, Plug on One Cable End							
653-XS5H-D421-D80-A	XS5H-D421-D80-A	B	Standard cable, 2M	24.68	22.44	20.57	18.99
653-XS5H-D421-G80-A	XS5H-D421-G80-A	B	Standard cable, 5M	31.92	29.02	26.60	24.56
653-XS5H-D421-J80-A	XS5H-D421-J80-A	B	Standard cable, 10M	54.17	52.55	51.03	49.32
653-XS5H-D421-C80-F	XS5H-D421-C80-F	B	Vibration-proof robot cable, 1M	21.14	20.54	19.93	19.33
653-XS5H-D421-D80-F	XS5H-D421-D80-F	B	Vibration-proof robot cable, 2M	24.76	24.05	23.34	22.63
Connectors to Cable, Socket and Plug on Cable Ends							
653-XS5W-D421-C81-A	XS5W-D421-C81-A	C	Standard cable, 1M	25.64	24.86	24.13	23.44
653-XS5W-D421-D81-A	XS5W-D421-D81-A	C	Standard cable, 2M	41.40	37.64	34.50	31.85
653-XS5W-D421-E81-A	XS5W-D421-E81-A	C	Standard cable, 3M	32.79	31.80	30.86	29.98
653-XS5W-D421-G81-A	XS5W-D421-G81-A	C	Standard cable, 5M	42.66	38.79	35.55	32.82
653-XS5W-D421-J81-A	XS5W-D421-J81-A	C	Standard cable, 10M	70.90	66.33	61.38	58.75
653-XS5W-D421-E81-F	XS5W-D421-E81-F	C	Vibration-proof robot cable, 3M	38.74	37.63	36.53	35.42
653-XS5W-D421-G81-F	XS5W-D421-G81-F	C	Vibration-proof robot cable, 5M	50.61	49.16	47.72	46.27
4-Pin Panel-Mount Connectors with Cable							
653-XS5M-D426-5	XS5M-D426-5	D	Front panel mounting plug for rear lock nuts, .5M cable	18.83	17.89	16.71	16.18
653-XS5M-D427-5	XS5M-D427-5	D	Rear panel mounting plug for front lock nuts, .5M cable	19.98	18.98	17.73	17.17
653-XS5P-D426-5	XS5P-D426-5	D	Front panel mounting socket for rear lock nuts, .5M cable	19.88	18.89	17.64	17.08
653-XS5P-D427-5	XS5P-D427-5	D	Rear panel mounting socket for front lock nuts, .5M cable	19.88	18.89	17.64	17.08
Connector Only							
653-XS5R-D426-1	XS5R-D426-1	E	Y-joint plug/socket, no cable	56.39	53.63	51.95	48.53

OMRON XS5(6)-T SERIES: INDUSTRIAL ETHERNET CONNECTORS AND CABLES

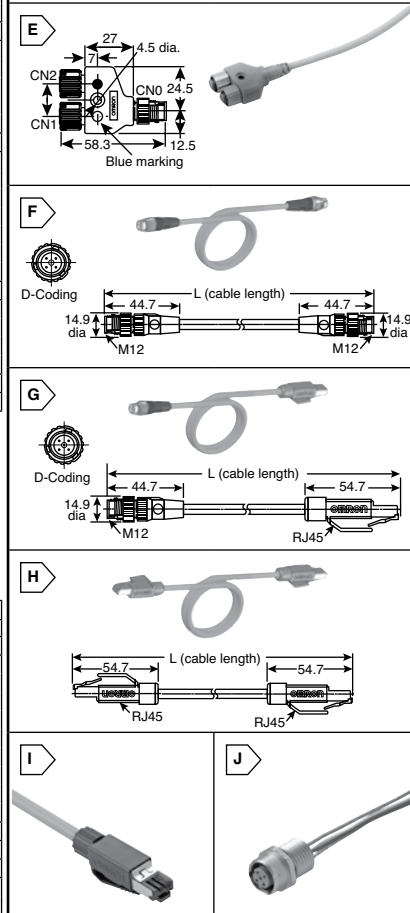
- Features:**
- Combines tough RJ45 connectors for use outside of panels and environment-resistance connectors with IP67 protection (M12)
 - M12 Smartclick™ mates with any threaded M12 socket and provides "twist and click" connection with XS5P-T panel socket.
 - M12 Smartclick™ connectors are shielded to protect against EMI.
 - Separate RJ45 assembly connectors are available for easy wiring on site.
 - Uses AWG22 Cat5E cables that are suitable for wiring outside of panels

- Specifications:**
- Rated Current: M12/M12, M12/RJ45, M12 3A RJ45/RJ45, RJ45 2.5A
 - Rated Voltage: 30V
 - Contact Resistance: 20 mΩ max.
 - Degree of Protection: M12-IP67, RJ45-IP20



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Description	Price Each			
				1	25	50	100
Cable with Connectors on Both Ends							
653-XS5W-T421-DM2-K	XS5W-T421-DM2-K	F	2M Cable with M12/M12	84.90	80.15	77.28	73.39
653-XS5W-T421-GM2-K	XS5W-T421-GM2-K	F	5M Cable with M12/M12	116.27	109.76	105.84	100.51
653-XS5W-T421-JM2-K	XS5W-T421-JM2-K	F	10M Cable with M12/M12	190.59	179.92	173.50	164.76
653-XS5W-T421-DMC-K	XS5W-T421-DMC-K	G	2M Cable with M12/RJ45	74.97	70.77	68.25	64.81
653-XS5W-T421-GMC-K	XS5W-T421-GMC-K	G	5M Cable with M12/RJ45	97.85	92.48	89.62	84.70
653-XS5W-T421-JMC-K	XS5W-T421-JMC-K	G	10M Cable with M12/RJ45	129.18	121.95	117.59	111.67
653-XS5W-T421-AMD-K	XS5W-T421-AMD-K	H	.3M Cable with RJ45/RJ45	72.54	68.48	66.03	62.71
653-XS5W-T421-BMD-K	XS5W-T421-BMD-K	H	.5M Cable with RJ45/RJ45	73.31	69.20	66.73	63.37
653-XS5W-T421-CMD-K	XS5W-T421-CMD-K	H	1M Cable with RJ45/RJ45	73.31	69.20	66.73	63.37
Assembly Connector Only							
653-XS6G-T421-1	XS6G-T421-1	I	RJ45 Plug, no cable	24.82	23.43	22.59	21.46
4-Pin Panel-Mount Connectors with Cable							
653-XS5P-T426-5	XS5P-T426-5	J	Rear locking M12 socket for panel mounting, .5M cable	23.81	22.48	21.68	20.59
653-XS5P-T427-5	XS5P-T427-5	J	Front locking M12 socket for panel mounting, .5M cable	24.70	23.32	22.48	21.35



Omron Rectangular Connectors