

# JAE Board-to-Board Connectors



This product is RoHS compliant.

## WR SERIES 0.50MM LOW PROFILE SMT BOARD-TO-BOARD CONNECTORS

- For connection between parallel boards spaced 4 to 9mm
- Ribbon type contacts ensure reliable electrical continuity, resisting twisting force of coupling
- RoHS Compliance per JAE documentation
- Current Rating: 0.3A
- \* With Polarizing Boss
- Operating Temperature: -40°C to +85°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Pos.	Description	Price Each			
					1	25	100	250
<b>Receptacles</b>								
656-WR-30S-VFH30-N1	WR-30S-VFH30-N1	A	30	7mm Height	3.85	3.49	3.20	2.96
656-WR-40S-VF-N1	WR-40S-VF-N1	A	40	4mm Height	2.99	2.72	2.39	2.30
656-WR-80S-VF-N1	WR-80S-VF-N1	A	80	4mm Height	7.24	6.59	6.00	5.57
* 656-WR-80SB-VF-N1	WR-80SB-VF-N1	A	80	4mm Height	7.15	4.68	4.35	4.16
* 656-WR-160SB-VF-N1	WR-160SB-VF-N1	A	160	4mm Height	10.25	9.32	7.52	7.35
<b>Plugs</b>								
656-WR-30P-VF50-N1	WR-30P-VF50-N1	B	30	5mm Height	3.21	2.93	2.68	2.48
656-WR-40P-VF-N1	WR-40P-VF-N1	B	40	4mm Height	3.46	2.62	2.40	2.29
656-WR-40P-HFHD-A1E	WR-40P-HF-HD-A1E	B	40	4mm Height, right angle	5.14	4.03	3.62	3.45
656-WR-100P-VF-N1	WR-100P-VF-N1	B	100	4mm Height	7.75	6.39	5.57	5.45
656-WR-120P-VF-N1	WR-120P-VF-N1	B	120	4mm Height	10.56	9.23	7.72	7.52

## IL-312 SERIES 0.50MM LOW PROFILE SMT BOARD-TO-BOARD CONNECTORS

- For connection between parallel boards spaced 2.5 to 3.5mm
- Black heat resistant insulators
- Contacts: Copper Alloy
- For use in applications that require boards to be stacked
- RoHS Compliance per JAE documentation
- Current Rating: 0.3A
- Operating Temperature: -40°C to +85°C

\* Location Boss

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Pos.	Description	Price Each			
					1	25	100	250
<b>Receptacles</b>								
656-IL-312-A40S-VFA1	IL-312-A40S-VF-A1	C	40	2.15mm Height	2.19	1.93	1.35	1.29
656-IL-312-A50S-VFA1	IL-312-A50S-VF-A1	C	50	2.15mm Height	3.52	3.20	2.93	2.79
656-IL-312-A80S-VFA1	IL-312-A80S-VF-A1	C	80	2.15mm Height	5.45	4.95	4.35	4.19
656-IL-312-A100S-VFA1	IL-312-A100S-VF-A1	C	100	2.15mm Height	7.18	6.51	5.57	5.42
* 656-IL-312A100SBVFA1	IL-312-A100SB-VF-A1	C	100	2.15mm Height	7.18	6.51	5.57	5.42
<b>Plugs</b>								
656-IL-312-A20P-VFA1	IL-312-A20P-VF-A1	D	20	1.55mm Height	1.86	1.69	1.55	1.43
656-IL-312-A50P-VFA1	IL-312-A50P-VF-A1	D	50	1.55mm Height	5.01	4.15	2.92	2.82
656-IL-312-A80P-VFA1	IL-312-A80P-VF-A1	D	80	1.55mm Height	7.47	6.89	4.35	4.15
656-IL312A100PVFA1	IL312-A100P-VF-A1	D	100	1.55mm Height	7.18	6.51	5.57	5.42

## KX14/KX15 SERIES 0.80MM LOW PROFILE SMT BOARD-TO-BOARD CONNECTORS

- For connection between parallel boards spaced 4 to 15mm
- Polarization key prevents mis mating
- Resistant to vibration and twisting
- Contact: Copper Alloy
- Current Rating: 0.5 Amps
- Operating Temperature: -40°C to +85°C
- For use in applications that require boards to be stacked
- RoHS Compliance per JAE documentation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Pos.	Description	Price Each			
					1	25	100	250
<b>Receptacle</b>								
656-KX14-20K2DE	KX14-20K2DE	E	20	2mm height	2.88	2.27	1.62	1.51
656-KX14-30K2DE	KX14-30K2DE	E	30	2mm height	3.47	2.74	1.98	1.82
656-KX14-40K2D-RE	KX14-40K2D-RE	E	40	2mm height	2.70	2.45	2.21	2.08
656-KX14-40K5D-RE	KX14-40K5D-RE	E	40	5mm height	3.78	3.02	2.20	2.11
656-KX14-50K2D-RE	KX14-50K2D-RE	E	50	2mm height	4.15	2.80	2.60	2.47
656-KX14-50K5D-RE	KX14-50K5D-RE	E	50	5mm height	6.02	5.48	5.03	4.65
656-KX14-50K8DE	KX14-50K8DE	E	50	8mm height	5.05	4.25	3.90	3.50
656-KX14-50K11DE	KX14-50K11DE	E	50	11mm height	3.32	3.02	2.66	2.57
656-KX14-80K2DE	KX14-80K2DE	E	80	2mm height	7.65	5.73	4.38	4.23
656-KX14-80K5DE	KX14-80K5DE	E	80	5mm height	5.45	4.94	4.21	4.18
<b>Plugs</b>								
656-KX15-20K2DE	KX15-20K2DE	F	20	2mm height	1.79	1.64	1.50	1.38
656-KX15-20KLDLE	KX15-20KLDLE	F	20	5.75mm height Right Angle	6.40	5.55	4.98	4.50
656-KX15-30K4DE	KX15-30K4DE	F	30	4mm height	3.52	2.44	2.10	1.98
656-KX15-30KLDLE	KX15-30KLDLE	F	30	5.75mm height Right Angle	2.35	2.14	1.93	1.80
656-KX15-40K2D-RE	KX15-40K2D-RE	F	40	2mm height	2.23	2.23	2.19	2.05
656-KX15-40K3DE	KX15-40K3DE	F	40	3mm height	2.87	2.62	2.40	2.22
656-KX15-40K4D-RE	KX15-40K4D-RE	F	40	4mm height	2.86	2.61	2.39	2.21
656-KX15-50K2DE	KX15-50K2DE	F	50	2mm height	3.55	3.23	2.84	2.74
656-KX15-50K4DE	KX15-50K4DE	F	50	4mm height	6.78	5.90	5.46	4.90
656-KX15-60K2DE	KX15-60K2DE	F	60	2mm height	4.97	4.50	3.85	3.50
656-KX15-80K3DE	KX15-80K3DE	F	80	3mm height	7.47	5.14	4.23	4.10
656-KX15-100K4DE	KX15-100K4DE	F	100	4mm height	6.27	5.70	5.13	4.82

## KX24/25 SERIES 0.80MM THROUGH HOLE BOARD-TO-BOARD CONNECTORS

- For connections between vertical and horizontal board to board arrangements
- Robust type with mating guide, suitable for rack and panel mounting
- Non-pin type connector structure durable to twists caused by mating
- Assuring click response when mated
- Mounting side contact length of 2.8mm unless otherwise noted
- Durability: 500 Cycles
- Contact resistance: 70mΩ max.
- Rated current: 0.5A per contact
- RoHS Compliance per JAE documentation

\* 2.2mm mounting side contact length

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Pos.	Description	Price Each			
					1	25	100	250
<b>Receptacles</b>								
656-KX24-120R-6ST-H1	KX24-120R-6ST-H1	G	120	10.4mm Height Straight	13.94	12.39	11.15	10.14
656-KX24-140R-6ST-H1	KX24-140R-6ST-H1	G	140	10.4mm Height Straight	18.80	16.71	15.04	13.67
656-KX24-140R-LT1-H1	KX24-140R-LT1-H1	H	140	8.5mm Height Right Angle	20.92	18.59	16.73	15.21
* 656-KX24-140R-LT-H1	KX24-140R-LT-H1	H	140	8.5mm Height Right Angle	19.21	17.07	15.36	13.96
<b>Plugs</b>								
656-KX25-80P-LT-H1	KX25-80P-LT-H1	I	80	8.5mm Height Right Angle	11.78	10.48	9.43	8.57
656-KX25-120P-LT-H1	KX25-120P-LT-H1	I	120	8.5mm Height Right Angle	14.84	13.19	11.87	10.79
656-KX25-140P-LT-H1	KX25-140P-LT-H1	I	140	8.5mm Height Right Angle	9.72	8.64	7.78	7.07

