

MOLEX Pico-SPOX™ Connectors

1.50MM (.059") PITCH PICO-SPOX™ CONNECTORS

Features:

- Dual-point contact design for greater reliability
- Anti-fishhooking contact design to improve handling during harness assembly
- Locking tang on contact for secure retention to the housing
- Friction lock between receptacle housing and headers insures secure retention when mounted
- Lead-in chamber on receptacle to ease mating
- Headers fully shrouded to protect pins
- Polarized mating geometry insures header and receptacle cannot be mis-mated
- Lead-free plating
- RoHS Compliant per Molex Documentation

Specifications:

- Current: 3.0A max.
- Voltage: 50V
- Terminal: Phosphor Bronze
- Pin: Brass
- Plating: Lead-free Tin
- Operating Temperature: -55°C to +105°C
- Contact Resistance: 40mΩ max.
- Dielectric Withstanding Voltage: 500VAC per minute
- Insulation Resistance: 1000MΩ min.



Vertical Header • Beige, Nylon 4/6 • UL94V-0

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Overall Length (in.)	First-to-Last Circuit (in.)	Price Each			
						1	10	50	100
538-87437-0243	87437-0243	A	2	0.169	0.059	1.26	.88	.68	.57
538-87437-0343	87437-0343	A	3	0.228	0.118	.86	.66	.59	.53
538-87437-0443	87437-0443	A	4	0.287	0.177	1.26	.98	.831	.749
538-87437-0543	87437-0543	A	5	0.346	0.236	1.03	.99	.929	.763
538-87437-0643	87437-0643	A	6	0.406	0.295	1.57	1.21	1.03	.784
538-87437-0743	87437-0743	A	7	0.465	0.354	1.59	1.30	1.09	.85
538-87437-0843	87437-0843	A	8	0.524	0.413	1.88	1.46	1.23	.94
538-87437-0943	87437-0943	A	9	0.583	0.472	2.01	1.56	1.32	1.18
538-87437-1043	87437-1043	A	10	0.642	0.531	1.84	1.52	1.27	1.12
538-87437-1243	87437-1243	A	12	0.760	0.650	1.87	1.55	1.29	1.15
538-87437-1443	87437-1443	A	14	0.878	0.768	2.29	1.89	1.58	1.40
538-87437-1543	87437-1543	A	15	0.937	0.827	2.40	1.99	1.66	1.47

Right-Angle Header • Beige, Nylon 4/6 • UL94V-0

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Overall Length (in.)	First-to-Last Circuit (in.)	Price Each			
						1	10	50	100
538-87438-0243	87438-0243	B	2	0.169	0.059	1.22	.85	.66	.57
538-87438-0343	87438-0343	B	3	0.228	0.118	.81	.632	.56	.504
538-87438-0443	87438-0443	B	4	0.287	0.177	.91	.708	.628	.565
538-87438-0543	87438-0543	B	5	0.346	0.236	1.34	1.04	.88	.667
538-87438-0643	87438-0643	B	6	0.406	0.295	1.54	1.19	1.01	.913
538-87438-0743	87438-0743	B	7	0.465	0.354	1.82	1.41	1.19	1.07
538-87438-0843	87438-0843	B	8	0.524	0.413	1.95	1.51	1.28	1.15
538-87438-0943	87438-0943	B	9	0.583	0.472	1.99	1.55	1.31	1.18
538-87438-1043	87438-1043	B	10	0.642	0.531	1.85	1.53	1.28	1.13
538-87438-1143	87438-1143	B	11	0.701	0.591	2.00	1.65	1.38	1.22
538-87438-1243	87438-1243	B	12	0.760	0.650	2.15	1.78	1.48	1.31
538-87438-1443	87438-1443	B	14	0.878	0.768	2.44	2.02	1.68	1.39
538-87438-1543	87438-1543	B	15	0.937	0.827	2.95	2.58	1.95	1.81

Housing • White, Nylon 6/6 • UL94V-0

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Overall Length (in.)	First-to-Last Circuit (in.)	Price Each			
						1	10	50	100
538-87439-0200	87439-0200	C	2	0.161	0.059	.41	.29	.17	.14
538-87439-0300	87439-0300	C	3	0.220	0.118	.55	.33	.19	.16
538-87439-0400	87439-0400	C	4	0.280	0.177	.38	.17	.14	.12
538-87439-0500	87439-0500	C	5	0.339	0.236	.35	.28	.21	.17
538-87439-0600	87439-0600	C	6	0.398	0.295	.56	.34	.23	.17
538-87439-0700	87439-0700	C	7	0.457	0.354	.63	.39	.26	.22
538-87439-0800	87439-0800	C	8	0.516	0.413	.65	.40	.27	.233
538-87439-0900	87439-0900	C	9	0.575	0.472	.43	.38	.297	.233
538-87439-1000	87439-1000	C	10	0.634	0.531	.69	.428	.285	.246
538-87439-1100	87439-1100	C	11	0.693	0.591	.45	.39	.285	.222
538-87439-1200	87439-1200	C	12	0.752	0.650	.16	.15	.145	.138
538-87439-1400	87439-1400	C	14	0.870	0.768	.50	.44	.328	.254
538-87439-1500	87439-1500	C	15	0.929	0.827	.53	.46	.361	.275

CRIMP TERMINALS

Features:

- RoHS Compliant per Molex Documentation
- 24-30AWG

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Contact	Plating	Price Each			
					1	100	500	1000
538-87421-0000	87421-0000	D	Phosphor Bronze	Tin	.03	.028	.022	.02

TOOLS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each	
				1	5
538-63811-6400	63811-6400	E	Hand Crimp Tool, 24-30AWG	223.84	214.58
538-63817-0000	63817-0000	F	Manual Wire Stripper	75.60	73.33
538-63817-0070	63817-0070	- - -	Straight Blade Replacement Cassette	33.75	32.99
538-63817-0071	63817-0071	- - -	V Blade Replacement Cassette	37.80	35.85

