

MOLEX Automotive Connectors

one company a world of innovation

MINI50™ UNSEALED CONNECTION SYSTEMS

Achieve 50% space savings over traditional USCAR 0.64mm connectors with Molex's unsealed miniature Mini50™ single-row connection system, with smaller terminals to fit more low-current electrical circuits in interior, unsealed, transportation-vehicle environments

RoHS Compliant This product is RoHS compliant.



Standard Receptacles

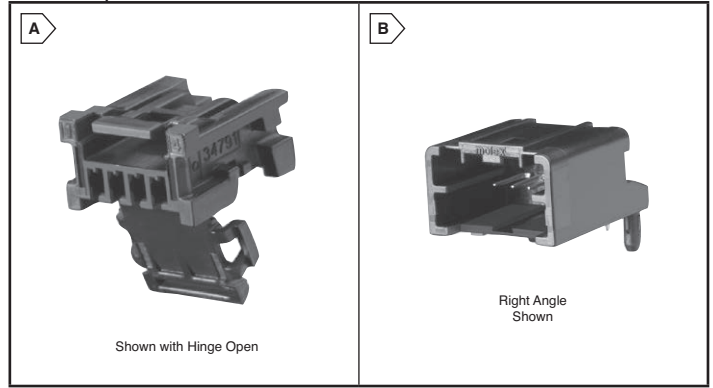
MOUSER STOCK NO.	Molex Part No.	Fig.	Circuit Size	Color	Price Each			
					1	10	100	500
538-34791-0040	34791-0040	A	4	Black	.58	.529	.49	.463
538-34791-0041	34791-0041	A	4	Gray	.58	.529	.49	.463
538-34791-0080	34791-0080	A	8	Black	.62	.565	.522	.494
538-34791-0081	34791-0081	A	8	Gray	.62	.565	.522	.494

Headers

MOUSER STOCK NO.	Molex Part No.	Fig.	Circuit Size	Color	Price Each			
					1	10	100	500
Standard Right-Angle Headers								
538-34793-0040	34793-0040	B	4	Black	1.01	.917	.849	.803
538-34793-0041	34793-0041	B	4	Gray	1.01	.917	.849	.803
538-34793-0080	34793-0080	B	8	Black	1.24	1.13	1.04	.988
538-34793-0081	34793-0081	B	8	Gray	1.24	1.13	1.04	.988

Standard Vertical Headers

MOUSER STOCK NO.	Molex Part No.	Fig.	Circuit Size	Color	Price Each			
					1	10	100	500
538-34792-0040	34792-0040	B	4	Black	.97	.882	.816	.772
538-34792-0041	34792-0041	B	4	Gray	.97	.882	.816	.772
538-34792-0080	34792-0080	B	8	Black	1.20	1.09	1.01	.957
538-34792-0081	34792-0081	B	8	Gray	1.20	1.09	1.01	.957



Contacts

MOUSER STOCK NO.	Molex Part No.	Description	Wire Gauge (mm2)	Price Each			
				1	10	100	500
538-560023-0421	560023-0421	Tin	0.22 - 0.35	.10	.089	.079	.069

STAC64™ CONNECTION SYSTEM 2.54MM (.100") PITCH

Stackable connection system provides single and multi-pocket PCB solutions, offering a diverse range of circuit sizes and greatly reducing time-to-market by completely eliminating custom tooling: new female connectors feature the only finger-actuated design in the industry.

Headers

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Color	Polarization	Price Each			
						1	10	100	500
Single-Bay Headers									
538-34690-0080	34690-0080	A	8	Black	A	1.41	1.27	1.01	.839
538-34690-0120	34690-0120	A	12	Black	A	1.70	1.53	1.21	1.01
538-34690-0160	34690-0160	A	16	Black	A	2.20	1.98	1.56	1.20
538-34690-0200	34690-0200	A	20	Black	A	2.75	2.49	1.61	1.47
538-34690-0201	34690-0201	A	20	Gray	B	2.69	2.43	1.91	1.57
538-34690-0202	34690-0202	A	20	Brown	C	2.69	2.43	1.91	1.57
538-34690-0203	34690-0203	A	20	Green	D	2.69	2.43	1.91	1.57
Single-Bay Right Angle Headers									
538-34691-0080	34691-0080	A	8	Black	A	1.47	1.36	1.05	.877
538-34691-0120	34691-0120	A	12	Black	A	1.85	1.70	1.32	1.09
538-34691-0160	34691-0160	A	16	Black	A	2.31	2.09	1.64	1.26
538-34691-0200	34691-0200	A	20	Black	A	2.89	2.61	2.05	1.58
538-34691-0201	34691-0201	A	20	Gray	B	2.89	2.61	2.05	1.58
538-34691-0202	34691-0202	A	20	Brown	C	2.89	2.61	2.05	1.69
538-34691-0203	34691-0203	A	20	Green	D	2.89	2.61	2.05	1.69
Single-Bay Hybrid Vertical Header									
538-34695-0100	34695-0100	A	10	Black	A	2.95	2.67	2.10	1.72

Receptacles

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Color	Polarization	Price Each			
						1	10	100	500
538-34729-0080	34729-0080	B	8	Black	A	.62	.58	.538	.501
538-34729-0120	34729-0120	B	12	Black	A	.67	.64	.587	.538
538-34729-0160	34729-0160	B	16	Black	A	.79	.75	.709	.661
538-34729-0200	34729-0200	B	20	Black	A	.89	.84	.807	.734
538-34729-0201	34729-0201	B	20	Gray	B	.89	.84	.807	.734
538-34729-0202	34729-0202	B	20	Brown	C	.89	.84	.807	.734
538-34729-0203	34729-0203	B	20	Green	D	.89	.84	.807	.734
Hybrid Receptacle									
538-31372-1000	31372-1000	C	10	Black	A	1.67	1.51	1.18	.98

CMC HYBRID CONNECTORS

The Molex family of CMC Hybrid Connectors provides a sealed, high-density, modular and cost-effective connection system for heavy-duty, powertrain and body-electronics applications in the transportation industry.

Receptacles

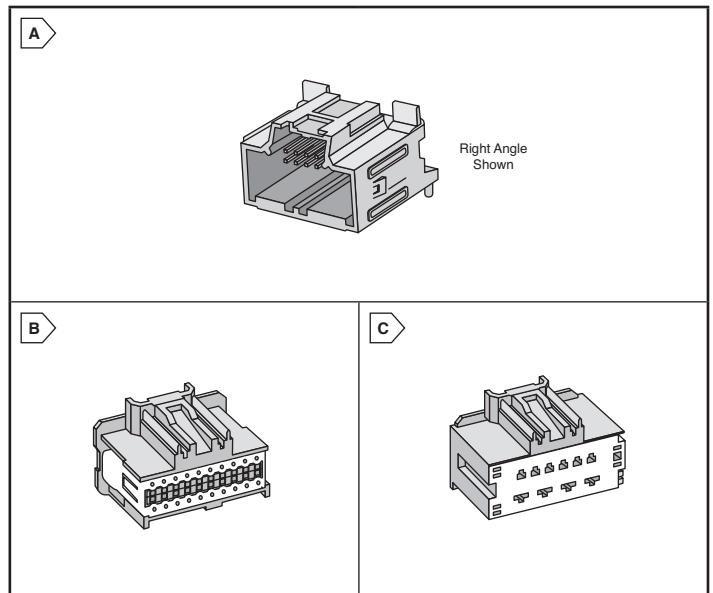
MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Color	Wire Output	Price Each			
						1	10	100	500
538-64319-3211	64319-3211	A	32	Black	Right	10.45	9.14	8.13	7.41
538-64319-1218	64319-1218	A	32	Gray	Left	10.46	9.15	8.14	7.41
538-64320-3311	64320-3311	A	48	Black	Right	11.49	9.54	7.75	7.47
538-64320-3319	64320-3319	A	48	Brown	Right	16.34	14.29	12.72	11.44
538-64320-1319	64320-1319	A	48	Brown	Left	14.77	12.92	11.49	11.49
Wire-to-Wire									
538-501820-3201	501820-3201	B	32	Gray	-	11.45	10.46	7.96	6.72

Wire Caps

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Color	Price Each				
					1	10	100	500	
538-64319-1201	64319-1201	C	32	Black	.77	.48	.275	.22	
538-64320-1301	64320-1301	C	48	Black	.87	.71	.48	.454	
Wire-to-Wire									
538-501826-3201	501826-3201	C	32	Black	2.48	1.55	.887	.71	

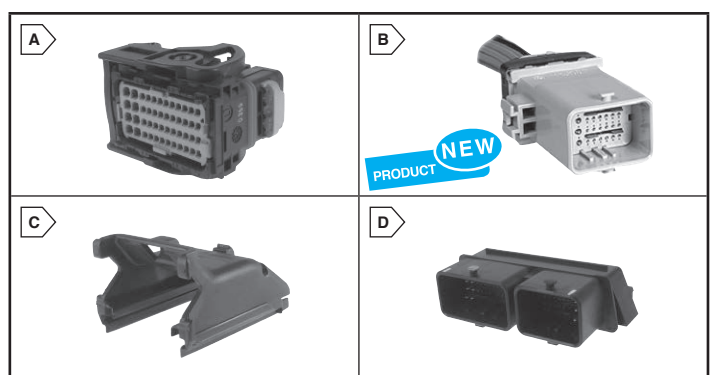
Headers

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Pin Count	No. of Pockets	Price Each				
						1	10	100	500	
538-64334-0100	64334-0100	D	32	24	8	1	5.06	4.24	3.18	2.65
538-500762-0481	500762-0481	D	48	40	8	1	4.99	3.49	2.90	2.62
538-502225-0801	502225-0801	D	80	64	16	2	8.50	7.44	6.62	5.96
538-64333-0100	64333-0100	D	112	88	24	3	14.06	12.30	10.93	9.84



Contacts

MOUSER STOCK NO.	Molex Part No.	Wire Gauge	Price Each			
			1	10	100	500
Terminals - Female						
538-34803-0211	34803-0211	22 AWG, Tin Plated	.11	.10	.089	.078
538-34803-0212	34803-0212	20 AWG, Tin Plated	.11	.10	.089	.078



Contacts

MOUSER STOCK NO.	Molex Part No.	Plating	Gender	Wire Size (mm)	Wire Insulation (mm)	Price Each	
						1	100
538-64322-1029	64322-1029	Tin	Female	0.75	1.60-1.90	.15	.127
Wire-to-Wire							
538-501827-0101	501827-0101	Tin	Male	0.80-1.00	1.40-1.7	.14	.119
538-501828-0101	501828-0101	Tin	Male	1.20	1.80-1.90	.22	.19