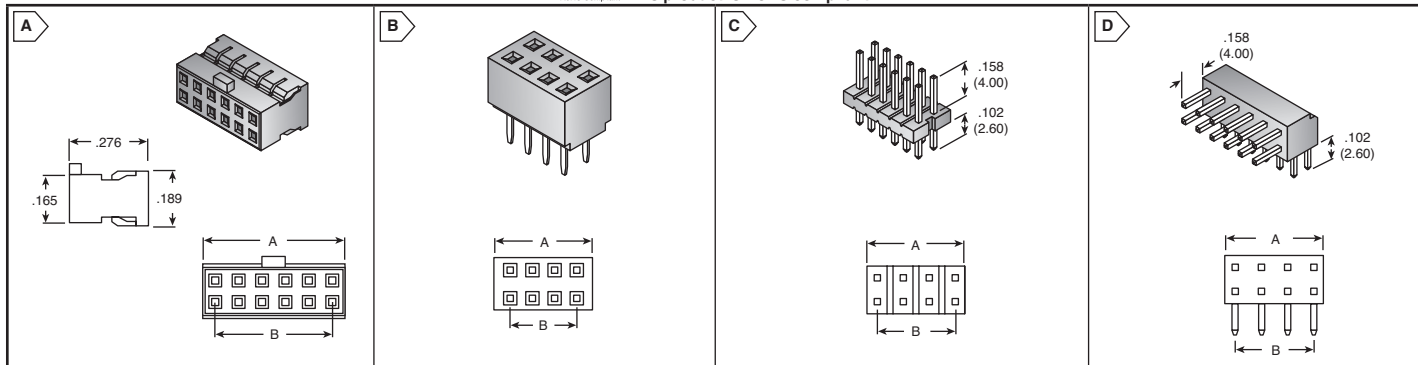


# MOLEX 2mm Milli-Grid™ Connectors

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This product is RoHS compliant.



## 2.00MM (.079") CRIMP HOUSINGS VERTICAL DUAL ROW

- Front latches for added retention forces after mating
- Mates with 0.50mm square pin headers
- Housing: Black glass filled polyester, UL 94V-0
- Operating Temperature: -55°C to +105°C
- End-to-end and Side-to-side stackable
- AWG: 24-30



LR19980 E29179

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions:mm		Price Each		
				A	B	1	10	100
<b>With Polarization Keys</b>								
* 538-511100851	51110-0851	A	8	8.20	6.00	.43	.252	.171
* 538-511101051	51110-1051	A	10	10.20	8.00	.79	.32	.28
* 538-511101251	51110-1251	A	12	12.20	10.00	.52	.342	.259
538-511101451	51110-1451	A	14	14.20	12.00	.71	.33	.224
538-511101651	51110-1651	A	16	16.20	14.00	.82	.353	.32
538-511101851	51110-1851	A	18	18.20	16.00	.89	.48	.355
538-511102051	51110-2051	A	20	20.20	18.00	.99	.53	.39
538-511102251	51110-2251	A	22	22.20	20.00	1.15	.623	.461
538-511102451	51110-2451	A	24	24.20	22.00	1.19	.83	.47
538-511102651	51110-2651	A	26	26.20	24.00	.97	.639	.575
538-511103051	51110-3051	A	30	30.20	28.00	1.12	.739	.561
<b>Without Polarization Keys</b>								
538-511100450	51110-0450	A	4	4.20	2.00	.60	.215	.156
538-511100650	51110-0650	A	6	6.20	4.00	.67	.278	.211
* 538-511100850	51110-0850	A	8	8.20	6.00	.74	.30	.231
* 538-511101050	51110-1050	A	10	10.20	8.00	.79	.32	.24
* 538-511101250	51110-1250	A	12	12.20	10.00	.83	.342	.259
538-511101450	51110-1450	A	14	14.20	12.00	.69	.37	.27
538-511101650	51110-1650	A	16	16.20	14.00	.73	.467	.346
538-511102050	51110-2050	A	20	20.20	18.00	.99	.53	.39
538-511102250	51110-2250	A	22	22.20	20.00	.98	.623	.461
538-511102450	51110-2450	A	24	24.20	22.00	.96	.629	.478
538-511102650	51110-2650	A	26	26.20	24.00	1.03	.677	.515
538-511103050	51110-3050	A	30	30.20	28.00	1.19	.783	.595

\* Center polarization key

## 2.00MM (.079") RECEPTACLES VERTICAL, DUAL ROW

- IR, vapor-phase and wave solder/surface mount compatible
- Dual beam contact design ensures reliable electrical performance
- Molded-in void locations for polarization to mating connector
- PC tails have tapered lead-in for insertion into the PC board
- Mates with 0.50mm square pin headers
- Through hole
- Board to board

- Current: 1.0A
- Voltage: 125V
- Housing: Black glass-filled LCP, UL 94V-0
- Operating Temperature: -55°C to 105°C
- Contact: Phosphor bronze
- Plating: 15µ" min. gold



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MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions:mm		Price Each		
				A	B	1	10	100
538-79107-7001	79107-7001	B	4	4.19	2.00	1.26	1.22	.852
538-79107-7002	79107-7002	B	6	6.19	4.00	1.55	1.37	1.02
538-79107-7003	79107-7003	B	8	8.19	6.00	1.86	1.28	1.00
538-79107-7004	79107-7004	B	10	10.19	8.00	2.06	1.42	1.10
538-79107-7005	79107-7005	B	12	12.19	10.00	2.26	1.56	1.21
538-79107-7006	79107-7006	B	14	14.19	12.00	2.38	2.00	1.29
538-79107-7007	79107-7007	B	16	16.19	14.00	2.56	2.17	1.41
538-79107-7008	79107-7008	B	18	18.19	16.00	3.59	3.16	2.10
538-79107-7009	79107-7009	B	20	20.19	18.00	2.96	2.46	1.59
538-79107-7010	79107-7010	B	22	22.19	20.00	3.93	3.46	2.31
538-79107-7011	79107-7011	B	24	24.19	22.00	3.01	2.07	1.72
538-79107-7014	79107-7014	B	30	30.19	28.00	3.77	3.11	2.15
538-79107-7019	79107-7019	B	40	40.19	38.00	5.03	4.15	2.87
538-791077021	79107-7021	B	44	44.19	42.00	5.53	3.81	3.16
538-79107-7024	79107-7024	B	50	50.19	48.00	6.28	4.33	3.59

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## 2.00MM (.079") VERTICAL HEADERS

- End-to-end stackable
- Mates with Milli-Grid Receptacles, Series 79107
- Surface Mount Compatible
- Housing: High temperature 4/6 nylon, UL 94V-0
- Contact: Phosphor bronze, 0.50mm square
- Plating: 15µ" select gold

- Operating Temperature: -55°C to +150°C
- PCB Thickness: 1.60 ± 0.10mm



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For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions:mm		Price Each		
				A	B	1	10	100
538-87758-0416	87758-0416	C	4	3.90	2.00	.86	.466	.345
538-87758-0616	87758-0616	C	6	5.90	4.00	.88	.53	.353
538-87758-0816	87758-0816	C	8	7.90	6.00	1.02	.672	.51
538-87758-1016	87758-1016	C	10	9.90	8.00	1.15	.753	.572
538-87758-1216	87758-1216	C	12	11.90	10.00	1.38	.907	.689
538-87758-1416	87758-1416	C	14	13.90	12.00	1.43	.941	.823
538-87758-1616	87758-1616	C	16	15.90	14.00	1.53	1.18	.90
538-87758-1816	87758-1816	C	18	17.90	16.00	1.73	1.34	1.03
538-87758-2016	87758-2016	C	20	19.90	18.00	1.75	1.21	.944
538-87758-2216	87758-2216	C	22	21.90	20.00	1.93	1.33	1.03
538-87758-2416	87758-2416	C	24	23.90	22.00	1.98	1.37	.759
538-87758-2616	87758-2616	C	26	25.90	24.00	2.27	1.88	1.22
538-87758-2816	87758-2816	C	28	27.90	26.00	2.45	1.69	1.31
538-87758-3016	87758-3016	C	30	29.90	28.00	1.75	1.54	1.10
538-87758-4016	87758-4016	C	40	39.90	38.00	3.05	2.54	2.03
538-87758-4216	87758-4216	C	42	41.90	40.00	5.29	4.69	3.47
538-87758-4616	87758-4616	C	46	45.90	44.00	3.14	2.16	1.79
538-87758-5016	87758-5016	C	50	49.90	48.00	3.06	2.11	1.75

## 2.00MM (.079") RIGHT ANGLE HEADERS

- End-to-end stackable
- Mates with Milli-Grid Receptacles, Series 79107
- Housing: Black glass-filled polyester, UL 94V-0
- Contact: Phosphor bronze, 0.50mm square
- Plating: 15µ" select gold
- Operating Temperature: -55°C to +105°C



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For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions:mm		Price Each		
				A	B	1	10	100
538-87760-0416	87760-0416	D	4	2.00	4.00	.80	.526	.389
538-87760-0616	87760-0616	D	6	4.00	6.00	.78	.515	.381
538-87760-0816	87760-0816	D	8	6.00	8.00	1.01	.663	.504
538-87760-1016	87760-1016	D	10	8.00	10.00	1.42	.933	.839
538-87760-1216	87760-1216	D	12	10.00	12.00	1.53	1.00	.764
538-87760-1416	87760-1416	D	14	12.00	14.00	1.71	1.49	.996
538-87760-1616	87760-1616	D	16	14.00	16.00	1.70	1.12	.851
538-87760-2016	87760-2016	D	20	18.00	20.00	1.82	1.25	.979
538-87760-2416	87760-2416	D	24	22.00	24.00	1.82	1.26	.981
538-87760-2616	87760-2616	D	26	24.00	26.00	2.07	1.50	1.17

## Crimp Terminal

- Contact: Phosphor bronze
- Operating Temperature: -40°C to +105°C
- Voltage: 250V



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For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	AWG	Price Each		
			1	100	500
538-50394-8100	50394-8100	24-30	.08	.056	.05

## Tool

- 24-30AWG

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Description	Price Each	
			1	5
538-63819-0100	63819-0100	Hand Crimp Tool	296.26	284.00

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