

INNOVATIVE SOLUTIONS > FOR HOME APPLIANCE

*RAST Systems, Power and Signal Connectors,
Switch Products, Custom Solutions, Application Tooling*



molex[®]

INNOVATIVE SOLUTIONS >
FOR HOME APPLIANCE

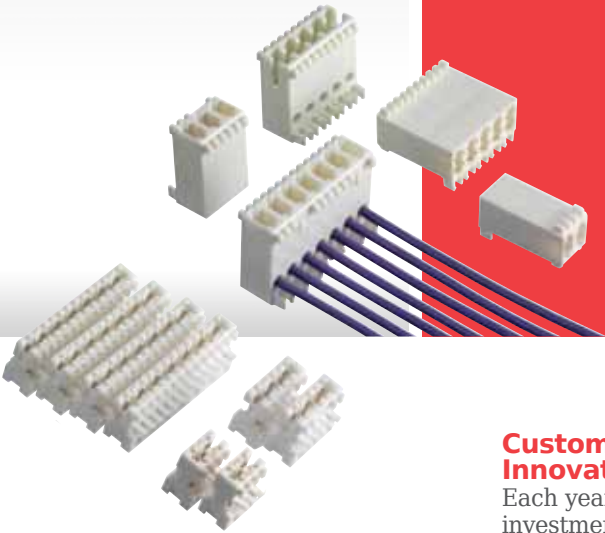
Table of Contents

Introduction	4
Glow Wire Compliance Statement	5
RAST 2.5 - 2.50mm (.098") Pitch IDT Wire-to-Board	6
RAST Signal - 2.50mm (.098") Pitch IDT Wire-to-Board	8
RAST Power - 5.00mm (.197") Pitch IDT Wire-to-Board	10
R-Power - 5.00mm (.197") Pitch IDT Wire-to-Board	12
RAST 5 - 5.00mm (.197") Pitch IDT Wire-to-Board	14
R5 - 5.00mm (.197") Pitch RAST IDT Connector System	16
Picoflex® - 1.27mm (.050") Pitch Wire-to-Board	18
MicroClasp™ - 2.00mm (.079") Pitch Wire-to-Board	22
Micro-Lock™ - 2.50mm (.098") Pitch Wire-to-Wire and Wire-to-Board	24
C-Grid III™ - 2.54mm (.100") Pitch Wire-to-Board	26
KK® - 2.54mm (.100"), 3.96mm (.156") & 5.08mm (.200") Pitch Wire-to-Board and Board-to-Board	28
Micro-Fit 3.0™ - 3.00mm (.118") Pitch Wire-to-Wire, Wire-to-Board and Board-to-Board	32
MV-396™ - 3.96mm (.156") and 7.92mm (.312") Pitch Wire-to-Board	36
Mini-Fit® Jr & Plus HCS - 4.20mm (.156") Pitch Wire-to-Wire, Wire-to-Board and Board-to-Board	38
MLX™ - 2.13mm (.084") Diameter Wire-to-Wire and Wire-to-Board	42
VersaBlade™ - 1.80mm (.070") Wire-to-Wire	44
Sabre™ - 7.50mm (.295") Wire-to-Wire and Wire-to-Board	46
Membrane and Capacitive Switch Products	48
Custom Solutions Application Tooling	49
Application Tooling	49
Future-Proof Solutions	50

LEVERAGE YOUR DESIGN > **WITH SMART SOLUTIONS FROM MOLEX**



Molex is a leading one-source supplier of interconnect products. Our team of highly skilled experts is focused on the design, development and distribution of innovative product solutions that touch virtually every walk of life. Our portfolio is among the world's most extensive, with over 100,000 reliable products, including everything from electronic, electrical and fiber optic interconnects to switches and application tooling.

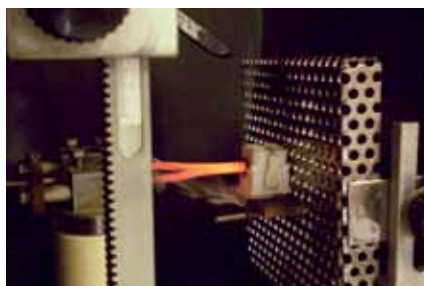


Innovative, reliable, environmentally friendly and safe interconnect solutions

Customer Focus and Innovation

Each year Molex makes significant investments in product design, development and manufacturing to address product requirements of the Home Appliance industry and to help our customers meet all the safety and environmental issues they face. Molex has consistently manufactured Glow Wire capable versions of some of its most popular connector families.

As a leader in connector technology Molex can mold connectors using true 'green' halogen free compounds which are also Glow Wire compliant. This provides products that are not only safe but also eliminate the use of environmentally sensitive materials (Bromine, Antimony, Phosphorus free).



Glow Wire Test

Glow Wire Compliance Statement

Glow Wire referenced Molex products are manufactured from material that has the following ratings, tested by independent agencies:

A Glow Wire Ignition Temperature (GWIT) of at least 775 C° per IEC 60695-2-13.

A Glow Wire Flammability Index (GWFI) above 850 C° per IEC 60695-2-12.

This complies with the requirements set out in the International Standard IEC-60335-1 5th edition: Household and similar electrical appliances safety, Section 30: Resistance to heat and fire

Customers using these products must determine its suitability for use in their particular application though testing or other acceptable means as described in the end-product Glow Wire Flammability Test Standard IEC 60695-2-11 and any applicable product end-use standard(s).

If it is determined during the customer's evaluation of suitability that the performance does not match the customer's needs, please contact Molex.

RAST 2.5 **2.50mm (.098") Pitch** **IDT Connector System** **Dual Beam Contact**

93050 / 91716 IDT Female
2.50mm (.098") Pitch
93051 / 91717 IDT Female
5.00mm (.197") Pitch
93037 / 93039 IDT Female with
PCB Locking
91780 IDT Female with Side
Latches
93070 / 93071 Vertical Header



Features and Benefits

IDT Female 2.50mm (.098") Pitch **(93050 / 91716 Series)**

- Complies with RAST 2.5 standard specification
- For 32V applications
- 3 – 13 circuits
- Pure Tin plating
- Polarised options via coding, end walls and ribs
- 93050 series IEC 60335-1 5th Edition Glow Wire compliant
- 91716 UL 94V-0 rated
- UL / CSA and VDE approved
- Accepts 0.35mm² cable

IDT Female 5.00mm (.197") Pitch **(93051 / 91717 Series)**

- Complies with RAST 2.5 standard specification
- For 250V applications
- 2 - 7 circuits
- Pure Tin plating
- Polarised options via coding, end walls and ribs
- 93051 series IEC 60335-1 5th Edition Glow Wire compliant
- 91717 UL 94V-0 rated
- UL / CSA and VDE approved
- Accepts 0.35mm² cable

IDT Female 2.50mm (.098") & 5.00mm (.197") **Pitch with PCB Locking (93037 / 93039 Series)**

- Complies with RAST 2.5 standard specification
- Pure Tin plating
- Polarised options via coding, end walls and ribs
- IEC 60335-1 5th Edition Glow Wire compliant
- UL / CSA and VDE approved
- Accepts 0.35mm² cable

IDT Female 2.50mm (.098") Pitch with Side **Latches (91780 Series)**

- Complies with RAST 2.5 standard specification
- For 32V applications
- 3 – 13 circuits
- Pure Tin plating
- Polarised options via coding, end walls and ribs
- IEC 60335-1 5th Edition Glow Wire compliant
- UL / CSA and VDE approved
- Accepts 0.35mm² cable

Vertical Header (93070 / 93071 Series)

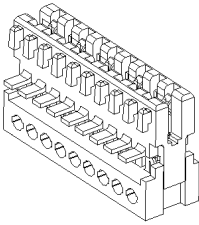
- 2.50mm (.098") pitch 3 – 13 circuits
- 5.00mm (.197") pitch 2 – 8 circuits
- Complies with RAST 2.5 standard specifications
- Pure Tin plating
- IEC 60335-1 5th Edition Glow Wire compliant
- UL / CSA and VDE approved
- Standard or reverse PCB layout options
- Loose packaging

Female IDT 2.50mm (.098") Pitch (93050 / 91716 Series)

	Number of Circuits	Order No.				
		Glow Wire	94V-0	Coding Keys Removed	End Walls	Polarising Rib
	3	93050-0001	91716-0001	None	Open	None
	4	93050-0501	91716-0501	None	Open	None
	5	93050-1001	91716-1001	None	Open	None
	6	93050-1501	91716-1501	None	Open	None
	7	93050-2001	91716-2001	None	Open	None
	8	93050-2501	91716-2501	None	Open	None
	9	93050-3001	91716-3001	None	Open	None
	10	93050-3501	91716-3501	None	Open	None
	11	93050-4001	91716-4001	None	Open	None
	12	93050-4501	91716-4501	None	Open	None
	13	93050-5001	91716-5001	None	Open	None

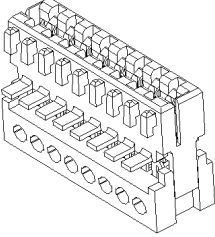
Other coding, end wall and polarising rib variations are available on request

Female IDT 5.00mm (.197") Pitch (93051 / 91717 Series)

	Number of Circuits	Order No.				
		Glow Wire	94V-0	Coding Keys Removed	End Walls	Polarising Rib
	2	93051-0002	91717-0002	None	Open	None
	3	93051-1001	91717-1001	None	Open	None
	4	93051-2001	91717-2001	None	Open	None
	5	93051-3001	91717-3001	None	Open	None
	6	93051-4001	91717-4001	None	Open	None
	7	93051-5001	91717-5001	None	Open	None

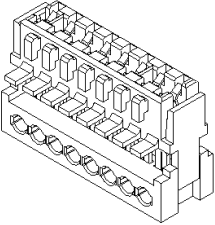
Other coding, end wall and polarising rib variations are available on request

Female IDT with PCB Locking (93037 / 93039 Series)

	Number of Circuits	Order No.				
		2.50mm Pitch	5.00mm Pitch	Coding Keys Removed	End Walls	Polarising Rib
	2	N/A	93039-0001	None		
	3	93037-0001	93039-1001	None	Slotted	None
	4	93037-0501	93039-2001	None	Slotted	None
	5	93037-1001	93039-5001	None	Slotted	None
	6	93037-1501	93039-4001	None	Slotted	None
	7	93037-2001	93039-5001	None	Slotted	None
	8	93037-2501	N/A	None	Slotted	None
	9	93037-3001	N/A	None	Slotted	None
	10	93037-3501	N/A	None	Slotted	None
	11	93037-4001	N/A	None	Slotted	None
	12	93037-4501	N/A	None	Slotted	None
	13	93037-5001	N/A	None	Slotted	None

Other coding and polarising rib variations are available on request

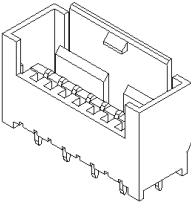
Female IDT 2.50mm (.098") Pitch with Side Latches (91780 Series)

	Number of Circuits	Order No.		
		2.50mm Pitch*	Coding Keys Removed	Polarising Rib Between
	3	91780-0001	a d	Circuits 1 & 2
	4	91780-0501	a e	Circuits 1 & 2
	5	91780-1001	a f	Circuits 2 & 3
	6	91780-1501	a g	Circuits 2 & 3
	7	91780-2001	a h	Circuits 1 & 2 and 5 & 6
	8	91780-2501	a i	Circuits 1 & 2 and 6 & 7
	9	91780-3001	a j	Circuits 1 & 2 and 7 & 8
	10	91780-3501	a k	Circuits 1 & 2 and 8 & 9
	11	91780-4001	a l	Circuits 1 & 2 and 9 & 10
	12	91780-4501	a m	Circuits 1 & 2 and 10 & 11
	13	91780-5001	a n	Circuits 1 & 2 and 11 & 12

* Parts with voided circuits for 240V applications are available upon request

Other coding and polarising rib variations are available on request

Male Vertical Headers (93070 / 93071 Series)

	Number of Circuits	Order No.			
		2.50mm Pitch	5.00mm Pitch	Coding Keys Blocked	Latch
	2	N/A	93071-0001	None	Yes
	3	93070-0001	93071-1001	None	Yes
	4	93070-0501	93071-2001	None	Yes
	5	93070-1001	93071-3001	None	Yes
	6	93070-1501	93071-4001	None	Yes
	7	93070-2001	93071-5001	None	Yes
	8	93070-2501	93071-6001	None	Yes
	9	93070-3001	N/A	None	Yes
	10	93070-3501	N/A	None	Yes
	11	93070-4001	N/A	None	Yes
	12	93070-4501	N/A	None	Yes
	13	93070-5001	N/A	None	Yes

Other coding variations are available on request

RAST Signal 2.50mm (.098") Pitch IDT Connector System Cantilever Contact

**92336 IDT Female
2.50mm (.098") Pitch**

**92338 IDT Female
5.00mm (.197") Pitch**

**92339 IDT Female with Side
Latches**

93070 / 93071 Vertical Header



Features and Benefits

IDT Female 2.50mm (.098") Pitch (92336 Series)

- Complies with RAST 2.5 standard specification
- For 32V applications
- 3 – 20 circuits
- Pure Tin plating
- Polarised options via coding, end walls and ribs
- IEC 60335-1 5th Edition Glow Wire compliant
- UL, CSA and VDE approved
- Accepts 0.35mm² cable

IDT Female 5.00mm (.197") Pitch (92338 Series)

- Complies with RAST 2.5 standard specification
- For 250V applications
- 2 - 10 circuits
- Pure Tin plating
- Polarised options via coding, end walls and ribs
- IEC 60335-1 5th Edition Glow Wire compliant
- UL, CSA and VDE approved
- Accepts 0.35mm² cable

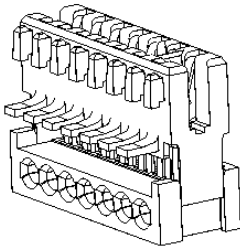
IDT Female 2.50mm (.098") Pitch with Side Latches (92339 Series)

- Complies with RAST 2.5 standard specification
- For 32V applications
- 3 – 20 circuits
- Pure Tin plating
- Polarised options via coding, end walls and ribs
- IEC 60335-1 5th Edition Glow Wire compliant
- UL, CSA and VDE approved
- Accepts 0.35mm² cable

Vertical Header (93070 / 93071 Series)

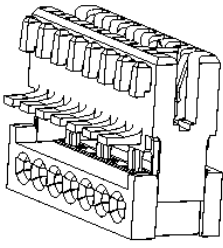
- 2.50mm (.098") pitch 3 – 13 circuits
- 5.00mm (.197") pitch 2 – 8 circuits
- Complies with RAST 2.5 standard specifications
- Pure Tin plating
- IEC 60335-1 5th Edition Glow Wire compliant
- UL, CSA and VDE approved
- Standard or reverse PCB layout options
- Loose packaging

Female IDT 2.50mm (.098") Pitch (92336 Series)

	Number of Circuits	Order No.	Coding Keys Removed	End Walls	Polarising Rib
	3	92336-0001	None	Open	None
	4	92336-0501	None	Open	None
	5	92336-1001	None	Open	None
	6	92336-1501	None	Open	None
	7	92336-2001	None	Open	None
	8	92336-2501	None	Open	None
	9	92336-3001	None	Open	None
	10	92336-3501	None	Open	None
	11	92336-4001	None	Open	None
	12	92336-4501	None	Open	None
	13	92336-5001	None	Open	None
	14	92336-5501	None	Open	None
	15	92336-6001	None	Open	None
	16	92336-6501	None	Open	None
	17	92336-7001	None	Open	None
	18	92336-7501	None	Open	None
	19	92336-8001	None	Open	None
	20	92336-8501	None	Open	None

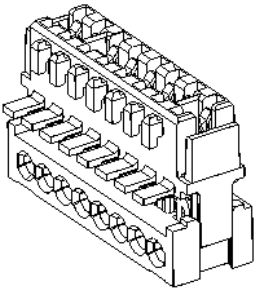
Other coding, end wall and polarising rib variations are available on request

Female IDT 5.00mm (.197") Pitch (92338 Series)

	Number of Circuits	Order No.	Coding Keys Removed	End Walls	Polarising Rib Between
	2	92338-0002	None	Open	None
	3	92338-1001	None	Open	None
	4	92338-2001	None	Open	None
	5	92338-3001	None	Open	None
	6	92338-4001	None	Open	None
	7	92338-5001	None	Open	None
	8	92338-6001	None	Open	None
	9	92338-7001	None	Open	None
	10	92338-8001	None	Open	None

Other coding, end wall and polarising rib variations are available on request

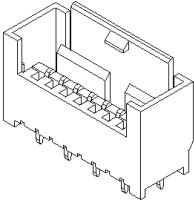
Female IDT 2.50mm (.098") Pitch with Side Latches (92339 Series)

	Number of Circuits	Order No.	Coding Keys Removed	Polarising Rib Between
	3	92339-0001	a d	Circuits 1 & 2
	4	92339-0501	a e	Circuits 1 & 2
	5	92339-1001	a f	Circuits 2 & 3
	6	92339-1501	a g	Circuits 2 & 3
	7	92339-2001	a h	Circuits 1 & 2 and 5 & 6
	8	92339-2501	a i	Circuits 1 & 2 and 6 & 7
	9	92339-3001	a j	Circuits 1 & 2 and 7 & 8
	10	92339-3501	a k	Circuits 1 & 2 and 8 & 9
	11	92339-4001	a l	Circuits 1 & 2 and 9 & 10
	12	92339-4501	a m	Circuits 1 & 2 and 10 & 11
	13	92339-5001	a n	Circuits 1 & 2 and 11 & 12
	14	92339-5501	a o	Circuits 1 & 2 and 12 & 13
	15	92339-6001	a p	Circuits 1 & 2 and 13 & 14
	16	92339-6501	a q	Circuits 1 & 2 and 14 & 15
	17	92339-7001	a r	Circuits 1 & 2 and 15 & 16
	18	92339-7501	a s	Circuits 1 & 2 and 16 & 17
	19	92339-8001	a t	Circuits 1 & 2 and 17 & 18
	20	92339-8501	a u	Circuits 1 & 2 and 18 & 19

* Parts with voided circuits for 240v applications are available upon request

Other coding and polarising rib variations are available on request

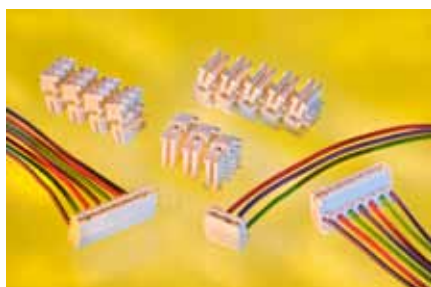
Male Vertical Header (93070 / 93071 Series)

	Number of Circuits	Order No.			
		2.50mm Pitch	5.00mm Pitch	Coding Keys Blocked	Latch
	2	N/A	93071-0001	None	Yes
	3	93070-0001	93071-1001	None	Yes
	4	93070-0501	93071-2001	None	Yes
	5	93070-1001	93071-3001	None	Yes
	6	93070-1501	93071-4001	None	Yes
	7	93070-2001	93071-5001	None	Yes
	8	93070-2501	93071-6001	None	Yes
	9	93070-3001	N/A	None	Yes
	10	93070-3501	N/A	None	Yes
	11	93070-4001	N/A	None	Yes
	12	93070-4501	N/A	None	Yes
	13	93070-5001	N/A	None	Yes

Other coding variations are available on request

RAST Power **5.00mm (.197") Pitch IDT** **Connector System**

91627 / 93211 IDT Female
5.00mm (.197") Pitch Tin Plating
91791 / 93322 IDT Female
5.00mm (.197") Pitch Silver
Plating
93071 Vertical Header



Features and Benefits

IDT Female 5.00mm (.197") Pitch **(91627 / 93211 Series)**

- Complies with RAST 2.5 standard specification
- Rated for 6.0A
- For 250V applications
- 2 - 12 circuits
- Pure Tin plating
- Polarised options via coding, end walls, ribs and latches
- 91627 series IEC 60335-1 5th Edition Glow Wire compliant
- 93211 series UL 94V-0 rated
- UL, CSA and VDE approved
- Accepts 0.50mm² and 0.75mm² cable

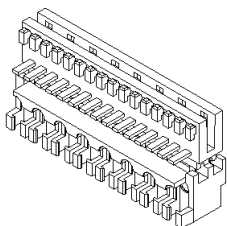
IDT Female 5.00mm (.197") Pitch **(91791 / 93322 Series)**

- Complies with RAST 2.5 standard specification
- Rated for 10.0A
- For 250V applications
- 2 - 12 circuits
- Silver plating
- Polarised options via coding, end walls, ribs and latches
- 91791 series IEC 60335-1 5th Edition Glow Wire compliant
- 93322 series UL 94V-0 rated
- UL, CSA and VDE approved
- Accepts 0.50mm² and 0.75mm² cable

Vertical Header (93071 Series)

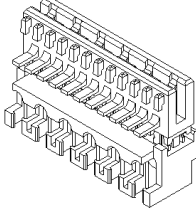
- 5.00mm (.197") pitch 2 – 8 circuits
- Complies with RAST 2.5 standard specifications
- Pure Tin plating
- IEC 60335-1 5th Edition Glow Wire compliant
- UL, CSA and VDE approved
- Standard or reverse PCB layout options
- Loose packaging

Female IDT Tin Plating (91627 / 93211 Series)

	Number of Circuits	Order No.					
		Glow Wire	94V-0	Coding Keys Removed	Latch Position	End Walls	Polarising Rib
	2	91627-0001	93211-0001	None	None	Open	None
	3	91627-1001	93211-1001	None	None	Open	None
	4	91627-2001	93211-2001	None	None	Open	None
	5	91627-3001	93211-3001	None	None	Open	None
	6	91627-4001	93211-4001	None	None	Open	None
	7	91627-5001	93211-5001	None	None	Open	None
	8	91627-6001	93211-6001	None	None	Open	None
	9	91627-7001	93211-7001	None	None	Open	None
	10	91627-8001	93211-8001	None	None	Open	None
	11	91627-9001	93211-9001	None	None	Open	None
	12	91627-9501	93211-9501	None	None	Open	None

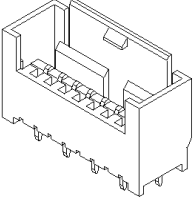
Other coding, end wall, polarising rib and latch options are available on request

Female IDT Silver Plating (91791 / 93322 Series)

	Number of Circuits	Order No.					
		Glow Wire	94V-0	Coding Keys Removed	Latch Position	End Walls	Polarising Rib
	2	91791-0001	93322-0001	None	None	Open	None
	3	91791-1001	93322-1001	None	None	Open	None
	4	91791-2001	93322-2001	None	None	Open	None
	5	91791-3001	93322-3001	None	None	Open	None
	6	91791-4001	93322-4001	None	None	Open	None
	7	91791-5001	93322-5001	None	None	Open	None
	8	91791-6001	93322-6001	None	None	Open	None
	9	91791-7001	93322-7001	None	None	Open	None
	10	91791-8001	93322-8001	None	None	Open	None
	11	91791-9001	93322-9001	None	None	Open	None
	12	91791-9501	93322-9501	None	None	Open	None

Other coding, end wall, polarising rib and latch options are available on request

Male Vertical Header (93071 Series)

	Number of Circuits	Order No.		
		5.00mm Pitch	Coding Keys Blocked	Latch
	2	93071-0001	None	Yes
	3	93071-1001	None	Yes
	4	93071-2001	None	Yes
	5	93071-3001	None	Yes
	6	93071-4001	None	Yes
	7	93071-5001	None	Yes
	8	93071-6001	None	Yes

Other coding variations are available on request

R-Power 5.00mm (.197") Pitch RAST IDT Connector System

93270 IDT Female 5.00mm (.197") Pitch Tin Plating 93071 Vertical Header



Features and Benefits

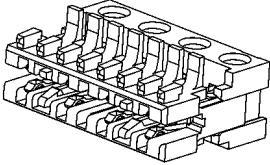
IDT Female 5.00mm (.197") Pitch (93270 Series)

- Complies with RAST 2.5 standard specification
- Rated for 6.0A
- For 250V applications
- 2 - 10 circuits
- Pure Tin plating
- Polarised options via coding, end walls, ribs and latches
- IEC 60335-1 5th Edition Glow Wire compliant
- UL, CSA and VDE approved
- Accepts 0.50mm² cable

Vertical Header (93071 Series)

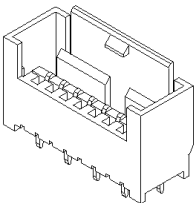
- 2.50mm (.098") pitch 3 – 13 circuits
- 5.00mm (.197") pitch 2 – 8 circuits
- Complies with RAST 2.5 standard specifications
- Pure Tin plating
- IEC 60335-1 5th Edition Glow Wire compliant
- UL, CSA and VDE approved
- Standard or reverse PCB layout options
- Loose packaging

Female IDT Tin Plating (93270 Series)

	Number of Circuits	Order No.	Coding Keys Removed	Latch Position	End Walls	Polarising Rib
	2	93270-0001	None	None	Open	None
	3	93270-1001	None	None	Open	None
	4	93270-2001	None	None	Open	None
	5	93270-3001	None	None	Open	None
	6	93270-4001	None	None	Open	None
	7	93270-5001	None	None	Open	None
	8	93270-6001	None	None	Open	None
	9	93270-7001	None	None	Open	None
	10	93270-8001	None	None	Open	None

Other coding, end wall, polarising rib and latch options are available on request
Silver plating available on request

Male Vertical Header (93071 Series)

	Number of Circuits	Order No.	Coding Keys Blocked	Latch
	2	93071-0001	None	Yes
	3	93071-1001	None	Yes
	4	93071-2001	None	Yes
	5	93071-3001	None	Yes
	6	93071-4001	None	Yes
	7	93071-5001	None	Yes
	8	93071-6001	None	Yes

Other coding variations are available on request

RAST 5 **5.00mm (.197") Pitch IDT** **Connector System**

91778 IDT Female 10.0A
91779 IDT Female 16.0A
91777 IDT Female 1 Circuit
91999 Vertical Header
93003 Right Angle Header



Features and Benefits

IDT Female 10.0A (91778 Series)

- Complies with RAST 5 standard specification
- 2 – 12 circuits
- Pure Tin plating
- Polarised options via keying, coding and latches
- IEC 60335-1 5th Edition Glow Wire compliant
- 4 points of contact at both interfaces
- UL / CSA and VDE approved
- Accepts 0.75mm² cable

IDT Female 16.0A (91779 Series)

- Complies with RAST 5 standard specification
- 2, 3 and 4 circuits
- Silver plating
- Polarised options via keying, coding and latches
- IEC 60335-1 5th Edition Glow Wire compliant
- 4 points of contact at both interfaces
- UL / CSA and VDE approved
- Accepts 1.50mm² cable

IDT Female 1 Circuit (91777 Series)

- Complies with RAST 5 standard specification
- 10.0A rated
- Polarisation via coding and keying
- Pure Tin or Silver plating
- IEC 60335-1 5th Edition Glow Wire compliant
- UL / CSA and VDE approved
- Accepts 0.50 and 0.75mm² cable

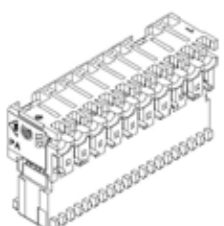
Vertical Header (91999 Series)

- 16.0A rated
- 2 – 12 circuits
- Complies with RAST 5 standard specifications
- Pure Tin or Silver plating
- IEC 60335-1 5th Edition Glow Wire compliant
- Polarised options via keying, coding and latches
- UL / CSA and VDE approved
- Standard, reverse or in line PCB layout options
- Tube or loose packaging

Right Angle Header (93003 Series)

- 16.0A rated
- 2 – 12 circuits
- Complies with RAST 5 standard specifications
- Pure Tin or Silver plating
- IEC 60335-1 5th Edition Glow Wire compliant
- Polarised options via keying, coding and latches
- UL / CSA and VDE approved
- Standard or reverse PCB layout options
- Loose packaging

IDT Female 10.0A (91778 Series)

	Number of Circuits	Order No.	Position Keys	Coding Keys	Latch Position between circuits
	2	91778-0001	All	All	1/2
	3	91778-0101	All	All	1/2
	4	91778-0201	All	All	1/2 & 3/4
	5	91778-0307	All	All	1/2 & 4/5
	5	91778-0306	All	All	1/2 & 3/4
	6	91778-0401	All	All	2/3 & 4/5
	7	91778-0502	All	All	1/2 & 5/6
	8	91778-0601	All	All	3/4 & 5/6
	9	91778-0701	All	All	3/4 & 6/7
	10	91778-0801	All	All	3/4 & 6/7
	11	91778-0901	All	All	3/4 & 7/8
	12	91778-1001	All	All	3/4 & 9/10

Other coding, keying and latch variations are available on request

IDT Female 16.0A (91779 Series)

	Number of Circuits	Order No.	Position Keys	Coding Keys	Latch Position between circuits
	2	91779-0001	All	All	1/2
	3	91779-0101	All	All	1/2
	4	91779-0201	All	All	1/2 & 3/4

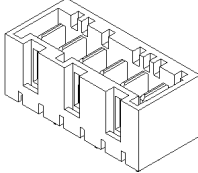
Other coding, keying and latch variations are available on request

IDT Female 1 Circuit (91777 Series)

	Order No.	Contact Plating	Position Keys	Coding Keys	Latch Position between circuits
	91777-0106	Tin	All	All	N/A
	91777-3106	Silver	All	All	N/A

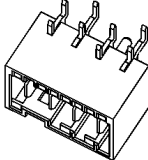
Other coding and keying variations are available on request

Vertical Header (91999 Series)

	Number of Circuits	Order No. Tin Plating	Order No. Silver Plating	Position Keys	Coding Keys	Latch Position between circuits
	2	91999-0067	91999-0465	All	All	1/2
	3	91999-0534	91999-1234	All	All	1/2
	4	91999-1291	91999-1976	All	All	1/2 & 3/4
	5	91999-2035	91999-2724	All	All	1/2 & 4/5
	6	91999-2779	91999-3475	All	All	2/3 & 4/5
	7	91999-3528	91999-4229	All	All	1/2 & 5/6

Other coding, keying and latch variations are available on request

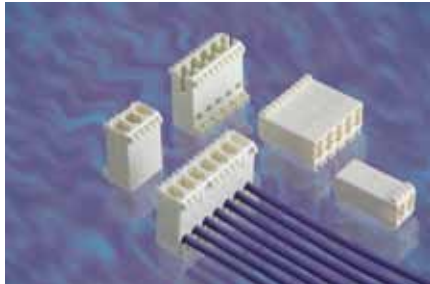
Right Angle Header (93003 Series)

	Number of Circuits	Order No. Tin Plating	Order No. Silver Plating	Position Keys	Coding Keys	Latch Position between circuits
	2	93003-0064	93003-0470	All	All	1/2
	3	93003-0531	93003-1240	All	All	1/2
	4	93003-1283	93003-1983	All	All	1/2 & 3/4
	5	93003-2031	93003-2724	All	All	1/2 & 4/5
	6	93003-2772	93003-3483	All	All	2/3 & 4/5
	7	93003-3521	93003-4232	All	All	1/2 & 5/6

Other coding, keying and latch variations are available on request

R5 5.00mm (.197") Pitch RAST IDT Connector System

93055 IDT Female 10.0A
93244 IDT Female 16.0A
91999 Vertical Header
93003 Right Angle Header



Features and Benefits

IDT Female 10.0A (93055 Series)

- Complies with RAST 5 standard specification
- Single terminal version rated at 10.0A (dual terminal version available on request)
- 2 – 12 circuits
- Pure Tin plating
- Polarisation via position and coding keys plus latch options
- IEC 60335-1 5th Edition Glow Wire compliant
- UL, CSA and VDE approved
- Accepts up to 1.00mm² cable

IDT Female 16.0A (93244 Series)

- Complies with RAST 5 standard specification
- Dual terminal version rated at 16.0A
- 2 – 4 circuits
- Tin or Silver plating
- Polarisation via position and coding keys plus latch options
- IEC 60335-1 5th Edition Glow Wire compliant
- UL, CSA and VDE approved
- Accepts up to 1.50mm² cable

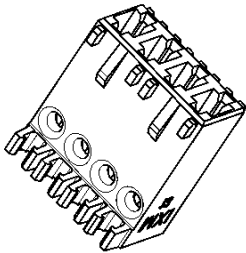
Vertical Header (91999 Series)

- 16.0A rated
- 2 – 12 circuits
- Complies with RAST 5 standard specifications
- Pure Tin or Silver plating
- IEC 60335-1 5th Edition Glow Wire compliant
- Polarised options via keying, coding and latches
- UL, CSA and VDE approved
- Standard, reverse or in line PCB layout options
- Tube or loose packaging

Right Angle Header (93003 Series)

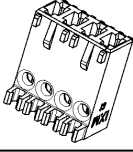
- 16.0A rated
- 2 – 12 circuits
- Complies with RAST 5 standard specifications
- Pure Tin or Silver plating
- IEC 60335-1 5th Edition Glow Wire compliant
- Polarised options via keying, coding and latches
- UL, CSA and VDE approved
- Standard or reverse PCB layout options
- Loose packaging

IDT Female 10.0A (93055 Series)

	Number of Circuits	Order No.	Position Keys	Coding Keys	Latch Position between circuits
	2	93055-0101	All	All	1/2
	3	93055-0201	All	All	1/2
	4	93055-0301	All	All	1/2 & 3/4
	5	93055-0407	All	All	1/2 & 4/5
	5	93055-0406	All	All	1/2 & 3/4
	6	93055-0501	All	All	2/3 & 4/5
	7	93055-0602	All	All	1/2 & 5/6
	8	93055-0701	All	All	3/4 & 5/6
	9	93055-0801	All	All	3/4 & 6/7
	10	93055-0901	All	All	3/4 & 7/8
	11		All	All	3/4 & 7/8
	12		All	All	3/4 & 9/10

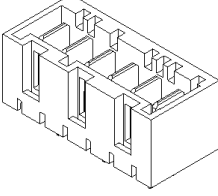
Other coding, keying and latch variations are available on request

IDT Female 16.0A (93244 Series)

	Number of Circuits	Order No. Tin Plating	Order No. Silver Plating	Position Keys	Coding Keys	Latch Position between circuits
	2	93244-0101	93244-0129	All	All	1/2
	3	93244-0201	93244-0227	All	All	1/2
	4	93244-0301	93244-0314	All	All	1/2 & 3/4

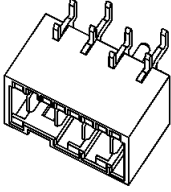
Other coding, keying and latch variations are available on request

Vertical Header (91999 Series)

	Number of Circuits	Order No. Tin Plating	Order No. Silver Plating	Position Keys	Coding Keys	Latch Position between circuits
	2	91999-0067	91999-0465	All	All	1/2
	3	91999-0534	91999-1234	All	All	1/2
	4	91999-1291	91999-1976	All	All	1/2 & 3/4
	5	91999-2035	91999-2724	All	All	1/2 & 4/5
	6	91999-2779	91999-3475	All	All	2/3 & 4/5
	7	91999-3528	91999-4229	All	All	1/2 & 5/6

Other coding, keying and latch variations are available on request

Right Angle Header (93003 Series)

	Number of Circuits	Order No. Tin Plating	Order No. Silver Plating	Position Keys	Coding Keys	Latch Position between circuits
	2	93003-0064	93003-0470	All	All	1/2
	3	93003-0531	93003-1240	All	All	1/2
	4	93003-1283	93003-1983	All	All	1/2 & 3/4
	5	93003-2031	93003-2724	All	All	1/2 & 3/4
	6	93003-2772	93003-3483	All	All	1/2 & 4/5
	7	93003-3521	93003-4232	All	All	1/2 & 5/6

Other coding, keying and latch variations are available on request

Picoflex®

1.27mm (.050") IDT Connector System for Ribbon Cable Applications

90327 / 93338 IDT Female

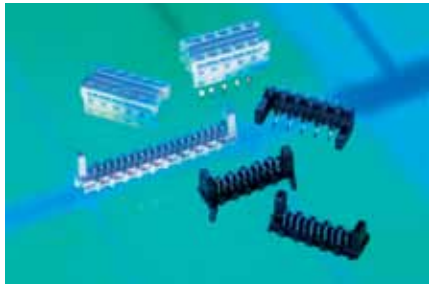
90584 IDT Board-In

90325 / 90779 Header

90800 / 91714 Right Angle Header

90814 SMT Header

90816 SMT Latched Header



Features and Benefits

IDT Female (90327 / 93338 Series)

- 1 piece housing
- Molded in polarisation
- 4 points of contact
- Accepts 28 or 26 AWG (7 strand) ribbon cable
- 250V 1.2A
- UL 94V-0 and Glow Wire versions

IDT Board-In (90584 Series)

- For permanent wire to board connections
- Kinked solder tails for retention to PCB
- Same board layout as male headers
- 6.40mm total height when soldered and terminated
- 2 points of contact in IDT section
- Accepts 28 or 26 AWG (7 strand) ribbon cable
- 250V 1.2A

Header (90325 / 90779 Series)

- Polarising side posts and PCB pegs
- Stamped contacts with in-line, flat blades
- 2 points of contact with female terminal
- Friction lock
- 250V 1.2A
- UL 94V-0 and Glow Wire (High Temperature) versions

Header (90800 / 91714 Series)

- Polarising side posts
- Stamped contacts with in-line, flat blades
- 2 points of contact with female terminal
- Friction lock
- 250V 1.2A
- UL 94V-0 and Glow Wire (High Temperature) versions

SMT Header (90814 Series)

- Polarising side posts and PCB pegs
- Stamped SMT contacts with in-line, flat blades
- 2 points of contact with female terminal
- Rigid, staggered SMT solder tails
- Friction lock
- 250V 1.2A

SMT Latched Header (90816 Series)

- Positive latch for increased retention
- Polarising side posts and PCB pegs
- Stamped SMT contacts with in-line, flat blades
- 2 points of contact with female terminal
- Rigid, staggered SMT solder tails
- Can be used in RMS lead free process up to 260°
- 250V 1.2A

Low Profile, IDT (90327 / 93338 Series)

Number of Circuits	Order No.			
	Glow Wire (a)	94V-0 (a)	Glow Wire (b)	94V-0 (b)
4	93338-0304	90327-0304	93338-3304	90327-3304
6	93338-0306	90327-0306	93338-3306	90327-3306
8	93338-0308	90327-0308	93338-3308	90327-3308
10	93338-0310	93027-0310	93338-3310	90327-3310
12	93338-0312	90327-0312	93338-3312	90327-3312
14	93338-0314	90327-0314	93338-3314	90327-3314

(a) Plating = Tin 2-4µm (80-160µ")

(b) Plating = Select Gold 0.76µm (30µ")

Number of Circuits	Order No.			
	Glow Wire (a)	94V-0 (a)	Glow Wire (b)	94V-0 (b)
16	93338-0316	90327-0316	93338-3316	90327-3316
18	93338-0318	90327-0318	93338-3318	90327-3318
20	93338-0320	90327-0320	93338-3320	90327-3320
22	93338-0322	90327-0322	93338-3322	90327-3322
24	93338-0324	90327-0324	93338-3324	90327-3324
26	93338-0326	90327-0326	93338-3326	90327-3326

Low Profile, IDT Board-In (90584 Series)

Number of Circuits	Order No.	
	Individual Tube	Stacked Tube
4	90584-1304	90584-2304
6	90584-1306	90584-2306
8	90584-1308	90584-2308
10	90584-1310	90584-2310
12	90584-1312	90584-2312
14	90584-1314	90854-2314

Number of Circuits	Order No.	
	Individual Tube	Stacked Tube
16	90584-1316	90584-2316
18	90584-1318	90584-2318
20	90584-1320	90584-2320
22	90584-1322	90584-2322
24	90584-1324	90584-2324
26	90584-1326	90584-2326

Note: Stacked tube is a group of 7 individual tubes in a stack

Low Profile, Through Hole Headers (90325 / 90779 Series)

	Number of Circuits	Order No.			
		Standard (a)	High Temp Surface Mount Compatible (a)	Standard (b)	High Temp Surface Mount Compatible (b)
	4	90325-0004	90779-0001	90325-4004	90779-5001
	6	90325-0006	90779-0002	90325-4006	90779-5002
	8	90325-0008	90779-0003	90325-4008	90779-5003
	10	90325-0010	90779-0004	90325-4010	90779-5004
	12	90325-0012	90779-0005	90325-4012	90779-5005
	14	90325-0014	90779-0006	90325-4014	90779-5006

(a) Plating = Tin 3-5µm (12-200µ")

(b) Plating = PdNi (Palladium Nickel) with Gold flash

Select Gold 0.76µm (30µ") Plating available on request

Number of Circuits	Order No.			
	Standard (a)	High Temp Surface Mount Compatible (a)	Standard (b)	High Temp Surface Mount Compatible (b)
16	90325-0016	90779-0007	90325-4016	90779-5007
18	90325-0018	90779-0008	90325-4018	90779-5008
20	90325-0020	90779-0010	90325-4020	90779-5010
22	90325-0022	90779-0011	90325-4022	90779-5011
24	90325-0024	90779-0012	90325-4024	90779-5012
26	90325-0026	90779-0013	90325-4026	90779-5013

Low Profile, Right Angle Through Hole Headers (90800 / 91714 Series)

	Number of Circuits	Order No.			
		Standard (a)	High Temp Surface Mount Compatible (a)	Standard (b)	High Temp Surface Mount Compatible (b)
	4	90800-0004	91714-0004	90800-3004	91714-3004
	6	90800-0006	91714-0006	90800-3006	91714-3006
	8	90800-0008	91714-0008	90800-3008	91714-3008
	10	90800-0010	91714-0010	90800-3010	91714-3010
	12	90800-0012	91714-0012	90800-3012	91714-3012
	14	90800-0014	91714-0014	90800-3014	91714-3014

(a) Plating = Tin 3-5µm (12-200µ")

(b) Plating = Select Gold 0.76µm (30µ")

Number of Circuits	Order No.			
	Standard (a)	High Temp Surface Mount Compatible (a)	Standard (b)	High Temp Surface Mount Compatible (b)
16	90800-0016	91714-0016	90800-3016	91714-3016
18	90800-0018	91714-0018	90800-3018	91714-3018
20	90800-0020	91714-0020	90800-3020	91714-3020
22	90800-0022	91714-0022	90800-3022	91714-3022
24	90800-0024	91714-0024	90800-3024	91714-3024
26	90800-0026	91714-0026	90800-3026	91714-3026

Low Profile, SMT Header (90814 Series)

	Number of Circuits	Order No. Tube Pack	
		Tin 3-5µm (120-200µ")	Palladium Nickel (PdNi)
	4	90814-0X04	90814-7X04
	6	90814-0X06	90814-7X06
	8	90814-0X08	90814-7X08
	10	90814-0X10	90814-7X10
	12	90814-0X12	90814-7X12
	14	90814-0X14	90814-7X14
	16	90814-0X16	90814-7X16
	18	90814-0X18	90814-7X18
	20	90814-0X20	90814-7X20
	22	90814-0X22	90814-7X22
	24	90814-0X24	90814-7X24
	26	90814-0X26	90814-7X26

Number of Circuits	Order No. Blister Pack	
	Tin 3-5µm (120-200µ")	Palladium Nickel (PdNi)
4	90814-0X04	90814-7X04
6	90814-0X06	90814-7X06
8	90814-0X08	90814-7X08
10	90814-0X10	90814-7X10
12	90814-0X12	90814-7X12
14	90814-0X14	90814-7X14
16	90814-0X16	90814-7X16
18	90814-0X18	90814-7X18
20	90814-0X20	90814-7X20
22	90814-0X22	90814-7X22
24	90814-0X24	90814-7X24
26	90814-0X26	90814-7X26

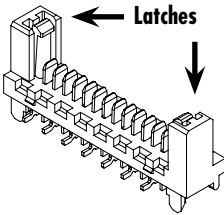
Replace X with the combination of PCB peg option and polarizing side post height

X =	PCB Pegs	Polarizing side post height
0	Yes	6.40mm / 0.252"
3	No	6.40mm / 0.252"
6	No	4.10mm / 0.161"
8	Yes	4.10mm / 0.161"

X =	PCB Pegs	Polarizing side post height
2	Yes	6.40mm / 0.252"
5	No	6.40mm / 0.252"
7	No	4.10mm / 0.161"
9	Yes	4.10mm / 0.161"

Select Gold 0.76µm (30µ") Plating available on request

SMT Latched Header (90816 Series)

	Number of Circuits	Order No. Tube Pack		Number of Circuits	Order No. Blister Pack	
		Tin 3-5µm (120-200µ")	Palladium Nickel (PdNi)		Tin 3-5µm (120-200µ")	Palladium Nickel (PdNi)
	4	90816-0X04	90816-5X04	4		
	6	90816-0X06	90816-5X06	6	90816-0X06	90816-5X06
	8	90816-0X08	90816-5X08	8	90816-0X08	90816-5X08
	10	90816-0X10	90816-5X10	10	90816-0X10	90816-5X10
	12	90816-0X12	90816-5X12	12	90816-0X12	90816-5X12
	14	90816-0X14	90816-5X14	14	90816-0X14	90816-5X14
	16	90816-0X16	90816-5X16	16	90816-0X16	90816-5X16
	18	90816-0X18	90816-5X18	18	90816-0X18	90816-5X18
	20	90816-0X20	90816-5X20	20	90816-0X20	90816-5X20
	22	90816-0X22	90816-5X22	22	90816-0X22	90816-5X22
	24	90816-0X24	90816-5X24	24	90816-0X24	90816-5X24
	26	90816-0X26	90816-5X26	26	90816-0X26	90816-5X26

Replace X with PCB peg option

X =	PCB Pegs
0	Yes
3	No

X =	PCB Pegs
2	Yes
4	No

Select Gold 0.76µm (30µ") Plating available on request

MicroClasp™ 2.00mm (.079") Pitch Wire-to-Board System

56134 Crimp Terminal

51382 / 51353 Receptacle

Housings

51242 TPA Receptacle Housing

55932 / 55917 Vertical Headers

55935 / 55959 Right Angle

Headers

55763 SMT Header

55767 TPA Retainer

Features and Benefits

Crimp Terminal (56134 Series)

- 2 points of contact
- Locking tang on terminal for secure retention to the housing
- Tin plating
- 3.0A 250V rated

Receptacle Housing (51382 / 51353 Series)

- Single row 2 – 15 circuits
- Dual row 8 – 40 circuits
- Positive lock
- Pull tabs for easy unmating
- Polarised geometry to prevent mis-mating
- UL 94V-0 rated

TPA Receptacle Housing (51242 Series)

- Dual row 20, 30 and 40 circuit
- Positive lock
- Pull tabs for easy unmating
- Polarised geometry to prevent mis-mating
- UL 94V-0 rated

Vertical Header (55932 / 55917 Series)

- Single row 2 – 15 circuits
- Dual row 8 – 40 circuits
- Fully shrouded
- Optional polarising peg
- Kinked solder tails for PCB retention
- Polarised geometry to prevent mis-mating
- UL 94V-0 rated

Right Angle Header (55935 / 55959 Series)

- Single row 2 – 15 circuits
- Dual row 8 – 40 circuits
- Fully shrouded
- Optional polarising peg
- Kinked solder tails for PCB retention
- Polarised geometry to prevent mis-mating
- UL 94V-0 rated

SMT Header (55763 Series)

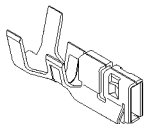
- Dual row 20, 30 and 40 circuits
- Fully shrouded
- Solder tabs ensure secure retention to the PCB
- Polarised geometry to prevent mis-mating
- Embossed tape packaging
- UL 94V-0 rated

TPA Retainer (55767 Series)

- For use with SMT receptacle housings
- Prevents terminal back out in high vibration applications

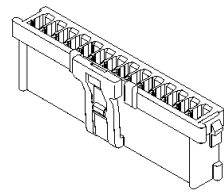


Crimp Terminal (56134 Series)

	Wire Size	Order No.
		Reel
	22 to 28 AWG	56134-9000

Wire Size	Order No.
	Bag
22 to 28 AWG	56134-9100

Receptacle Housing (51382 Series)

	Number of Circuits	Order No.
	2	51382-0200
	3	51382-0300
	4	51382-0400
	5	51382-0500
	6	51382-0600
	7	51382-0700
	8	51382-0800

Number of Circuits	Order No.
9	51382-0900
10	51382-1000
11	51382-1100
12	51382-1200
13	51382-1300
14	51382-1400
15	51382-1500

Receptacle Housings (51353 / 51242 Series)

	Number of Circuits	Order No.	
		Standard Housing	TPA Housing
	8	51353-0800	
	10	51353-1000	
	12	51353-1200	
	14	51353-1400	
	16	51353-1600	
	18	51353-1800	
	20	51353-2000	51242-2000
	22	51353-2200	
	24	51353-2400	

Number of Circuits	Order No.	
	Standard Housing	TPA Housing
26	51353-2600	
28	51353-2800	
30	51353-3000	51242-3000
32	51353-3200	
34	51353-3400	
36	51353-3600	
38	51353-3800	
40	51353-4000	51242-4000

TPA Retainer (55767 Series)

	Number of Circuits	Order No.
	10	55767-1005
	15	55767-1505
	20	55767-2005

Single Row Headers (55932 / 55935 Series)

	Number of Circuits	Order No.			
		Vertical with PCB Retention	Vertical without PCB Retention	Right Angle with PCB Retention	Right Angle without PCB Retention
	2	55932-0210	55932-0230	55935-0210	55935-0230
	3	55932-0310	55932-0330	55935-0310	55935-0330
	4	55932-0410	55932-0430	55935-0410	55935-0430
	5	55932-0510	55932-0530	55935-0510	55935-0530
	6	55932-0610	55932-0630	55935-0610	55935-0630
	7	55932-0710	55932-0730	55935-0710	55935-0730
	8	55932-0810	55932-0830	55935-0810	55935-0830

Number of Circuits	Order No.			
	Vertical with PCB Retention	Vertical without PCB Retention	Right Angle with PCB Retention	Right Angle without PCB Retention
9	55932-0910	55932-0930	55935-0910	55935-0930
10	55932-1010	55932-1030	55935-1010	55935-1030
11	55932-1110	55932-1130	55935-1110	55935-1130
12	55932-1210	55932-1230	55935-1210	55935-1230
13	55932-1310	55932-1330	55935-1310	55935-1330
14	55932-1410	55932-1430	55935-1410	55935-1430
15	55932-1510	55932-1530	55935-1510	55935-1530

Dual Row Headers (55917 / 55959 Series)

	Number of Circuits	Order No.		
		Vertical with PCB Retention	Vertical without PCB Retention	Right Angle without PCB Retention
	8	55917-0810	55917-0830	55959-0830
	10	55917-1010	55917-1030	55959-1030
	12	55917-1210	55917-1230	55959-1230
	14	55917-1410	55917-1430	55959-1430
	16	55917-1610	55917-1630	55959-1630
	18	55917-1810	55917-1830	55959-1830
	20	55917-2010	55917-2030	55959-2030
	22	55917-2210	55917-2230	55959-2230
	24	55917-2410	55917-2430	55959-2430

Number of Circuits	Order No.		
	Vertical with PCB Retention	Vertical without PCB Retention	Right Angle without PCB Retention
26	55917-2610	55917-2630	55959-2630
28	55917-2810	55917-2830	55959-2830
30	55917-3010	55917-3030	55959-3030
32	55917-3210	55917-3230	55959-3230
34	55917-3410	55917-3430	55959-3430
36	55917-3610	55917-3630	55959-3630
38	55917-3810	55917-3830	55959-3830
40	55917-4010	55917-4030	55959-4030

SMT Header (55763 Series)

	Number of Circuits	Order No.
	20	55763-2070
	30	55763-3070
	40	55763-4070

Mini-Lock™ 2.50mm (.098") Pitch Wire-to-Wire and Wire-to-Board System

50351 Female Terminal
50837 Male Terminal
51103 Receptacle Housing
51198 Plug Housing
53375 Vertical Header
53426 Right Angle Header



Features and Benefits

Crimp Terminals (50351 / 50837 Series)

- 4 points of contact
- Anti-fishhooking design eliminates tangling of crimped leads during assembly
- Locking tang on contact for secure retention to the housing
- Contacts rated at 3.0A 250V
- Tin plating

Receptacle Housing (51103 Series)

- Positive locking
- 2 – 15 circuits
- Polarised mating geometry prevents mis-mating
- Overstress feature protects locking latch
- Pull tabs to assist in easy unmating
- UL 94V-0 rated

Plug Housing (51198 Series)

- Guide ramps allow easy mating to receptacle housing
- 2 – 15 circuits
- Polarised mating geometry to prevent mis-mating
- UL 94V-0 rated

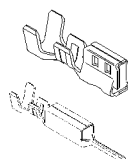
Vertical Header (53375 Series)

- 2 – 15 circuits
- Available in Radial tape and tray packaging
- Polarised geometry prevents mis-mating
- Polarising peg assures correct orientation on the PCB
- Kinked solder tails assure PCB retention
- Fully Shrouded
- UL 94V-0 rated

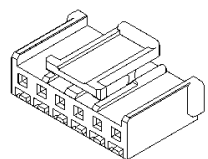
Right Angle Header (53426 Series)

- 2 – 15 circuits
- Available in Radial tape and tray packaging
- Polarised geometry prevents mis-mating
- Kinked solder tails assure PCB retention
- Fully Shrouded
- UL 94V-0 rated

Crimp Terminals (50351 / 50837 Series)

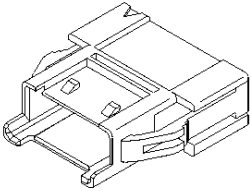
	Wire Size (AWG)	Order No.			
		Female Terminal		Male Terminal	
		Reel	Bag	Reel	Bag
	22-28	50351-8000	50351-8100	50837-8000	50837-8100

Receptacle Housing (51103 Series)

	Number of Circuits	Order No.
	2	51103-0200
	3	51103-0300
	4	51103-0400
	5	51103-0500
	6	51103-0600
	7	51103-0700
	8	51103-0800

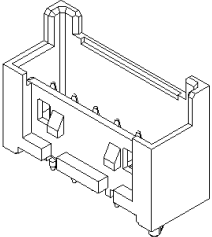
Number of Circuits	Order No.
9	51103-0900
10	51103-1000
11	51103-1100
12	51103-1200
13	51103-1300
14	51103-1400
15	51103-1500

Plug Housing (51198 Series)

	Number of Circuits	Order No.
	2	51198-0200
	3	51198-0300
	4	51198-0400
	5	51198-0500
	6	51198-0600
	7	51198-0700
	8	51198-0800

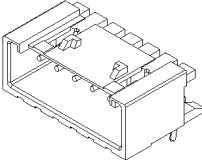
Number of Circuits	Order No.
9	51198-0900
10	51198-1000
11	51198-1100
12	51198-1200
13	51198-1300
14	51198-1400
15	51198-1500

Vertical Header (53375 Series)

	Number of Circuits	Order No.	
		Tray Packaging	Radial Tape Packaging
	2	53375-0210	53375-0290
	3	53375-0310	53375-0390
	4	53375-0410	53375-0490
	5	53375-0510	53375-0590
	6	53375-0610	53375-0690
	7	53375-0710	53375-0790
	8	53375-0810	53375-0890

Number of Circuits	Order No.	
	Tray Packaging	Radial Tape Packaging
9	53375-0910	N/A
10	53375-1000	N/A
11	53375-1100	N/A
12	53375-1200	N/A
13	53375-1300	N/A
14	53375-1400	N/A
15	53375-1500	N/A

Right Angle Header (53426 Series)

	Number of Circuits	Order No.	
		Tray Packaging	Radial Tape Packaging
	2	53426-0210	53426-0290
	3	53426-0310	53426-0390
	4	53426-0410	53426-0490
	5	53426-0510	53426-0590
	6	53426-0610	53426-0690
	7	53426-0710	53426-0790
	8	53426-0810	53426-0890

Number of Circuits	Order No.	
	Tray Packaging	Radial Tape Packaging
9	53426-0910	N/A
10	53426-1000	N/A
11	53426-1100	N/A
12	53426-1200	N/A
13	53426-1300	N/A
14	53426-1400	N/A
15	53426-1510	N/A

C-Grid III™ 2.54mm (.100") Wire-to-Board System

90119 Female Crimp Terminal
90156 Crimp Receptacle Housing
Single Row
90142 Crimp Receptacle Housing
Dual Row
90136 Single Row Vertical &
Right Angle Headers
90130 Dual Row Vertical & Right
Angle Headers

Features and Benefits

Female Crimp Terminal (90119 Series)

- Fully enclosed box type contact
- Tin plating or Gold plating
- 3.0A 350V rated
- Accommodates 22-24 or 26-28 gauge wire
- Chain or bag packaging

Crimp Receptacle Housings (90156 / 90142 Series)

- Single row up to 32 circuit
- Dual row up to 64 circuit
- Wire-to-board applications
- Positive housing lock for secure mating retention
- Fully isolated terminals to protect contacts from damage
- UL94V-1
- IEC 60335-1 5th Edition Glow Wire compliant parts available on request

Single Row Headers (90136 Series)

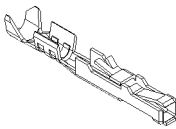
- Single row up to 32 circuit
- Vertical and right angle versions
- Tin plating and Gold plating options
- UL94V-0
- IEC 60335-1 5th Edition Glow Wire compliant parts available on request

Dual Row Headers (90130 Series)

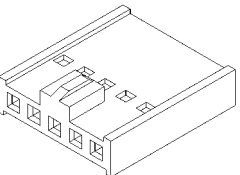
- Dual row up to 64 circuit
- Vertical and right angle versions
- Tin plating and Gold plating options
- UL94V-0
- IEC 60335-1 5th Edition Glow Wire compliant parts available on request



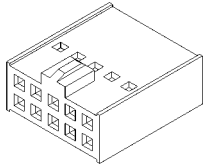
Terminal (90119 Series)

	Wire Size (AWG)	Order No.			
		Female Terminal			
		Chain Packaging (left hand feed)		Bag Packaging	
		Tin Plating	Gold Plating 15µ	Tin Plating	Gold Plating 15µ
	22 - 24	90119-0109	90119-0110	90119-2109	90119-2110
	26 - 28	90119-0120	90119-0121	90119-2120	90119-2121

Crimp Receptacle Housing Single Row (90156 Series)

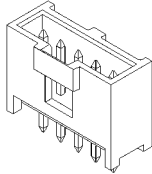
	Number of Circuits	Order No.	Number of Circuits	Order No.
	2	90156-0142	13	90156-0153
	3	90156-0143	14	90156-0154
	4	90156-0144	15	90156-0155
	5	90156-0145	16	90156-0156
	6	90156-0146	18	90156-0158
	7	90156-0147	20	90156-0160
	8	90156-0148	22	90156-0162
	9	90156-0149	25	90156-0165
	10	90156-0150	30	90156-0170
	12	90156-0152	32	90156-0172

Crimp Receptacle Housing Dual Row (90142 Series)

	Number of Circuits	Order No.
	6	90142-0006
	8	90142-0008
	10	90142-0010
	12	90142-0012
	14	90142-0014
	16	90142-0016
	18	90142-0018
	20	90142-0020
	24	90142-0022

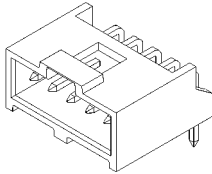
Number of Circuits	Order No.
26	90142-0026
30	90142-0030
34	90142-0034
38	90142-0038
40	90142-0040
50	90142-0050
60	90142-0060
64	90142-0064

Vertical Single Row Header (90136 Series)

	Number of Circuits	Order No.	
		Tin Plating	Gold Plating 15µ
	2	90136-1102	90136-1202
	3	90136-1103	90136-1203
	4	90136-1104	90136-1204
	5	90136-1105	90136-1205
	6	90136-1106	90136-1206
	7	90136-1107	90136-1207
	8	90136-1108	90136-1208
	9	90136-1109	90136-1209

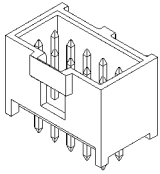
Number of Circuits	Order No.	
	Tin Plating	Gold Plating 15µ
10	90136-1110	90136-1210
12	90136-1112	90136-1212
15	90136-1115	90136-1215
18	90136-1118	90136-1218
22	90136-1122	90136-1222
25	90136-1125	90136-1225
30	90136-1130	90136-1230
32	90136-1132	90136-1232

Right Angle Single Row Header (90136 Series)

	Number of Circuits	Order No.	
		Tin Plating	Gold Plating 15µ
	2	90136-2102	90136-2202
	3	90136-2103	90136-2203
	4	90136-2104	90136-2204
	5	90136-2105	90136-2205
	6	90136-2106	90136-2206
	7	90136-2107	90136-2207
	8	90136-2108	90136-2208
	9	90136-2109	90136-2209

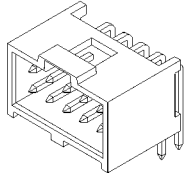
Number of Circuits	Order No.	
	Tin Plating	Gold Plating 15µ
10	90136-2110	90136-2210
12	90136-2112	90136-2212
15	90136-2115	90136-2215
18	90136-2118	90136-2218
22	90136-2122	90136-2222
25	90136-2125	90136-2225
30	90136-2130	90136-2230
32	90136-2132	90136-2232

Vertical Dual Row Header (90130 Series)

	Number of Circuits	Order No.	
		Tin Plating	Gold Plating 15µ
	6	90130-1106	90130-1206
	8	90130-1108	90130-1208
	10	90130-1110	90130-1210
	12	90130-1112	90130-1212
	14	90130-1114	90130-1214
	16	90130-1116	90130-1216
	18	90130-1118	90130-1218
	20	90130-1120	90130-1220
	24	90130-1124	90130-1224

Number of Circuits	Order No.	
	Tin Plating	Gold Plating 15µ
26	90130-1126	90130-1226
30	90130-1130	90130-1230
34	90136-1134	90136-1234
38	90130-1138	90130-1238
40	90130-1140	90130-1240
50	90130-1150	90130-1250
60	90130-1160	90130-1260
64	90130-1164	90130-1264

Right Angle Dual Row Header (90130 Series)

	Number of Circuits	Order No.	
		Tin Plating	Gold Plating 15µ
	6	90130-3106	90130-3206
	8	90130-3108	90130-3208
	10	90130-3110	90130-3210
	12	90130-3112	90130-3212
	14	90130-3114	90130-3214
	16	90130-3116	90130-3216
	18	90130-3118	90130-3218
	20	90130-3120	90130-3220
	24	90130-3124	90130-3224

Number of Circuits	Order No.	
	Tin Plating	Gold Plating 15µ
26	90130-3126	90130-3226
30	90130-3130	90130-3230
34	90136-3134	90136-3234
38	90130-3138	90130-3238
40	90130-3140	90130-3240
50	90130-3150	90130-3250
60	90130-3160	90130-3260
64	90130-3164	90130-3264

KK®

2.54mm (.100"), 3.96mm (.156") & 5.08mm (.200")

Wire-to-Board and Board-to-Board System

2759 / 4809 / 6459 Female Crimp Terminals

2478 / 2578 Female Crimp Terminals

45570 MarKK Female Crimp Terminal

2695 / 6471 / 41695 / 3069 / 91813 Crimp Housings

6410 / 4030 / 41791 / 2599

Vertical Headers

7395 / 4094 / 41792 Right Angle Headers

4455 / 2145 / 41815 / 3002

PCB Connectors

44812 Low Profile PCB Connector

7720S IDT Connector Custom Headers

Features and Benefits

Female Crimp Terminals (2759 / 4809 / 6459 Series)

- For 2.54mm (.100") system
- Tin plating
- 2.5A 250V rated
- Accommodates 22 – 30 AWG gauge wire
- 4809 series avoids tangling at pre-assembly

Female Crimp Terminals (2478 / 2578 Series)

- Double cantilever design
- Tin plating
- Up to 7.0A rated at 250V AC
- Accommodates 18 – 20 or 22 – 26 AWG gauge wires

MarKK Female Crimp Terminal (45570 Series)

- High Current terminal
- Up to 13.0A 600V rated
- 4 points of contact
- Tin plated
- Accommodates 18 – 20 AWG gauge wire

Crimp Housings (2695 / 6471 / 41695 / 3069 / 91813 Series)

- 2.54mm (.100") pitch 2 – 18 circuit with locking ramp
- 3.96mm (.156") pitch 2 – 18 circuit with locking ramp
- 5.08mm (.200") pitch 2 – 12 circuit without locking ramp
- Available in UL94V-0 and IEC 60335-1 4th Edition Glow Wire compliant materials

Vertical Headers (6410 / 4030 / 41791 / 2599 Series)

- 2.54mm (.100") pitch with and without friction lock
- 3.96mm (.156") pitch with friction lock
- 5.08mm (.200") pitch with polarising wall

Right Angle Headers (7395 / 4094 / 41792 Series)

- 2.54mm (.100") pitch with and without friction lock
- 3.96mm (.156") pitch with friction lock

PCB Connectors (4455 / 2145 / 41815 / 3002 Series)

- Available in right angle, top entry and bottom entry versions
- Complete with board hooks and locking ramps (3.96mm (.156") and 5.08mm (.200") versions)

Low Profile PCB Connector (44812 Series)

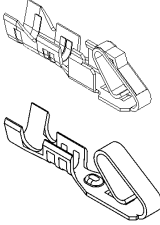
- 2.54mm (.100") pitch
- 2 to 16 circuit
- Top and Bottom entry

IDT Connector (7720S Series)

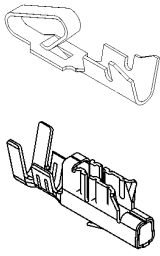
- 2.54mm (.100") pitch
- 2 to 18 circuits
- Accommodates both stranded and solid wires 24 – 28 AWG
- Molded in strain reliefs
- Locking ramp as standard



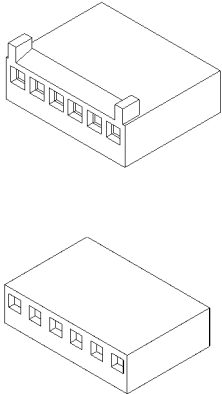
Crimp Terminals for 2.54mm (.100") Pitch System (2759 / 4809 / 6459 Series)

	Wire Size (AWG)	Order No.			
		Standard Crimp Terminal - Brass		Standard Crimp Terminal - Phosphor Bronze	
		Reel	Bag	Reel	Bag
		Tin Plating			
	20-24	0850-0113	0850-0114	0852-0101	0852-0123
		Crimp Terminal - Anti Fishhooking			
	22-30	0850-0031	0850-0032		

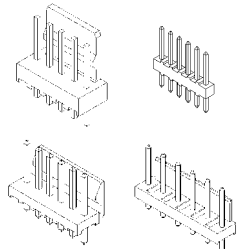
Crimp Terminals for 3.96mm (.156") & 5.08mm (.200") Pitch Systems (2478 / 2578 / 45570 Series)

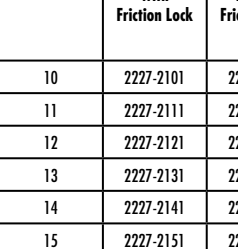
	Wire Size (AWG)	Order No.			
		Standard Crimp Terminal - Brass		Standard Crimp Terminal - Phosphor Bronze	
		Reel	Bag	Reel	Bag
		Tin Plating			
		18-20	0850-0105	0850-0106	0852-0071
	22-26	0850-0107	0850-0108	0850-0133	0850-0134
		High Current Crimp Terminal - Tin Preplate		High Current Crimp Terminal - Tin over Nickel Postplate	
	18-20	45570-3000	45570-3050	45570-3002	45570-3052

Crimp Housings (2695 / 6471 / 41695 / 3069 / 91813 Series)

	Number of Circuits	Order No.			
		2.54mm (.001") Pitch with Locking Ramp and Polarising Ribs		3.96mm (.156") Pitch with Locking Ramp and Polarising Ribs	
		Use with standard terminal	Use with Anti Fishhooking terminal		
		UL94V-0		UL94V-0	Glow Wire
		2201-3027	2201-2025	0950-8023	0993-0200
	2	2201-3027	2201-2025	0950-8023	0993-0200
	3	2201-3037	2201-2035	0950-8033	0993-0300
	4	2201-3047	2201-2045	0950-8043	0993-0400
	5	2201-3057	2201-2055	0950-8053	0993-0500
	6	2201-3067	2201-2065	0950-8063	0993-0600
	7	2201-3077	2201-2075	0950-8073	0993-0700
	8	2201-3087	2201-2085	0950-8083	0993-0800
	9	2201-3097	2201-2095	0950-8093	0993-0900
	10	2201-3107	2201-2105	0950-8103	0993-1000
	11	2201-3117	2201-2115	0950-8113	0993-1100
	12	2201-3127	2201-2125	0950-8123	0993-1200
	13	2201-3137	2201-2135	0950-8133	0993-1300
	14	2201-3147	2201-2145	0950-8143	0993-1400
	15	2201-3157	2201-2155	0950-8153	0993-1500
	16	2201-3167	2201-2165	0950-8163	0993-1600
	17	2201-3177	2201-2175	0950-8173	0993-1700
	18	2201-3187	2201-2185	0950-8183	0993-1800

Vertical Headers (6410 / 4030 / 41791 / 2599 Series)

	Number of Circuits	Order No.			
		2.54mm (.001") Pitch with Friction Lock	2.54mm (.001") Pitch without Friction Lock	3.96mm (.156") Pitch with Friction Lock	5.08mm (.002") Pitch with Polarising Wall
	2	2227-2021	2203-2021	2660-4020	1008-5021
	3	2227-2031	2203-2031	2660-4030	1008-5031
	4	2227-2041	2203-2041	2660-4040	1008-5041
	5	2227-2051	2203-2051	2660-4050	1008-5051
	6	2227-2061	2203-2061	2660-4060	1008-5061
	7	2227-2071	2203-2071	2660-4070	1008-5071
	8	2227-2081	2203-2081	2660-4080	1008-5081
	9	2227-2091	2203-2091	2660-4090	1008-5091

	Number of Circuits	Order No.			
		2.54mm (.001") Pitch with Friction Lock	2.54mm (.001") Pitch without Friction Lock	3.96mm (.156") Pitch with Friction Lock	5.08mm (.002") Pitch with Polarising Wall
	10	2227-2101	2203-2101	2660-4100	1008-5101
	11	2227-2111	2203-2111	2660-4110	1008-5111
	12	2227-2121	2203-2121	2660-4120	1008-5121
	13	2227-2131	2203-2131	2660-4130	
	14	2227-2141	2203-2141	2660-4140	
	15	2227-2151	2203-2151	2660-4150	
	16	2227-2161	2203-2161	2660-4160	
	17	2227-2171	2203-2171	2660-4170	
	18	2227-2181	2203-2181	2660-4180	

Right Angle Headers (7395 / 4094 / 41792 Series)

	Number of Circuits	Order No.		
		2.54mm (.001") Pitch with Friction Lock	2.54mm (.001") Pitch without Friction Lock	3.96mm (.156") Pitch with Friction Lock
	2	2205-7028	2205-2021	2660-5020
	3	2205-7038	2205-2031	2660-5030
	4	2205-7048	2205-2041	2660-5040
	5	2205-7058	2205-2051	2660-5050
	6	2205-7068	2205-2061	2660-5060
	7	2205-7078	2205-2071	2660-5070
	8	2205-7088	2205-2081	2660-5080
	9	2205-7098	2205-2091	2660-5090

Number of Circuits	Order No.		
	2.54mm (.001") Pitch with Friction Lock	2.54mm (.001") Pitch without Friction Lock	3.96mm (.156") Pitch with Friction Lock
10	2205-7108	2205-2101	2660-5100
11	2205-7118	2205-2111	2660-5110
12	2205-7128	2205-2121	2660-5120
13	2205-7138	2205-2131	2660-5130
14	2205-7148	2205-2141	2660-5140
15	2205-7158	2205-2151	2660-5150
16	2205-7168	2205-2161	2660-5160
17	2205-7178	2205-2171	2660-5170
18	2205-7188	2205-2181	2660-5180

Right Angle PCB Connectors (4455 / 2145 / 41815 / 3002 Series)

	Number of Circuits	Order No.			
		2.54mm (.001") Pitch without Ramp	3.96mm (.156") Pitch		5.08mm (.002") Pitch without Ramp
		UL94V-0	UL94V-2	UL94V-0	UL94V-2
	2	2215-2026	0952-1026	0948-1024	1010-1021
	3	2215-2036	0952-1036	0948-1034	1010-1031
	4	2215-2046	0952-1046	0948-1044	1010-1041
	5	2215-2056	0952-1056	0948-1054	1010-1051
	6	2215-2066	0952-1066	0948-1064	1010-1061
	7	2205-2076	0952-1076	0948-1074	1010-1071
	8	2205-2086	0952-1086	0948-1084	1010-1081
	9	2205-2096	0952-1096	0948-1094	1010-1091

Number of Circuits	Order No.			
	2.54mm (.001") Pitch without Ramp	3.96mm (.156") Pitch		5.08mm (.002") Pitch without Ramp
	UL94V-0	UL94V-2	UL94V-0	UL94V-2
10	2205-2106	0952-1106	0948-1104	1010-1101
11	2205-2116	0952-1116	0948-1114	1010-1111
12	2205-2126	0952-1126	0948-1124	1010-1121
13	2205-2136	0952-1136	0948-1134	
14	2205-2146	0952-1146	0948-1144	
15	2205-2156	0952-1156	0948-1154	
16	2205-2166			
17	2205-2176			
18	2205-2186			

Top Entry PCB Connectors (4455 / 2145 / 41815 / 3002 Series)

	Number of Circuits	Order No.			
		2.54mm (.001") Pitch without Ramp	3.96mm (.156") Pitch		5.08mm (.002") Pitch without Ramp
		UL94V-0	UL94V-2	UL94V-0	UL94V-2
	2	2202-2025	0962-6025	0948-4028	1010-1023
	3	2202-2035	0962-6035	0948-4038	1010-1033
	4	2202-2045	0962-6045	0948-4048	1010-1043
	5	2202-2055	0962-6055	0948-4058	1010-1053
	6	2202-2065	0962-6065	0948-4068	1010-1063
	7	2202-2075	0962-6075	0948-4078	1010-1073
	8	2202-2085	0962-6085	0948-4088	1010-1083
	9	2202-2095	0962-6095	0948-4098	1010-1093

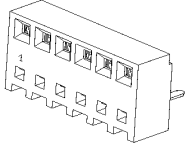
Number of Circuits	Order No.			
	2.54mm (.001") Pitch without Ramp	3.96mm (.156") Pitch		5.08mm (.002") Pitch without Ramp
	UL94V-0	UL94V-2	UL94V-0	UL94V-2
10	2202-2105	0962-6105	0948-4108	1010-1103
11	2202-2115	0962-6115	0948-4118	1010-1113
12	2202-2125	0962-6125	0948-4128	1010-1123
13	2202-2135	0962-6135	0948-4138	
14		0962-6145	0948-4148	
15	2202-2155	0962-6155	0948-4158	
16	2202-2165			
17	2202-2175			
18	2202-2185			

Bottom Entry PCB Connectors (4455 / 2145 / 41815 / 3002 Series)

	Number of Circuits	Order No.			
		2.54mm (.001") Pitch without Ramp	3.96mm (.156") Pitch		5.08mm (.002") Pitch without Ramp
		UL94V-0	UL94V-2	UL94V-0	UL94V-2
	2	2214-2024	0962-6024	0948-4029	1002-1022
	3	2214-2034	0962-6034	0948-4039	1002-1032
	4	2214-2044	0962-6044	0948-4049	1002-1042
	5	2214-2054	0962-6054	0948-4059	1002-1052
	6	2214-2064	0962-6064	0948-4069	1002-1062
	7	2214-2074	0962-6074	0948-4079	1002-1072
	8	2214-2084	0962-6084	0948-4089	1002-1082
	9	2214-2094	0962-6094	0948-4099	1002-1092

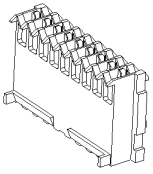
Number of Circuits	Order No.			
	2.54mm (.001") Pitch without Ramp	3.96mm (.156") Pitch		5.08mm (.002") Pitch without Ramp
	UL94V-0	UL94V-2	UL94V-0	UL94V-2
10	2214-2104	0962-6104	0948-4109	1002-1102
11	2214-2114	0962-6114	0948-4119	1002-1112
12	2214-2124	0962-6124	0948-4129	1002-1122
13	2214-2134	0962-6134	0948-4139	
14	2214-2144	0962-6144	0948-4149	
15	2214-2154	0962-6154	0948-4159	
16	2214-2164			
17	2214-2174			
18	2214-2184			

Top and Bottom Entry PCB Connector Low Profile 2.54mm (.100") Pitch (44812 Series)

	Number of Circuits	Order No.	
		2.54mm (.001") Pitch	
		UL94V-0	
	2	44812-0002	
	3	44812-0003	
	4	44812-0004	
	5	44812-0005	
	6	44812-0006	
	7	44812-0007	
	8	44812-0008	

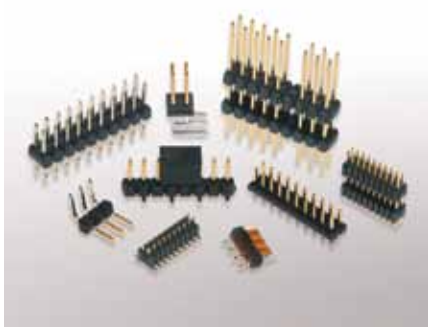
Number of Circuits	Order No.	
	2.54mm (.001") Pitch	
	UL94V-0	
9	44812-0009	
10	44812-0010	
11	44812-0011	
12	44812-0012	
13	44812-0013	
14	44812-0014	
15	44812-0015	
16	44812-0016	

IDT Connector - High Pressure Contact System 2.54mm (.100") Pitch (7720S Series)

	Number of Circuits	Order No.	
		Version	
		H	J
	2	2250-3025	3800-2092
	3	2250-3035	3800-2093
	4	2250-3045	3800-2094
	5	2250-3055	3800-2095
	6	2250-3065	3800-2096
	7	2250-3075	3800-2097
	8	2250-3085	3800-2098
	9	2250-3095	3800-2099

Number of Circuits	Order No.	
	Version	
	H	J
10	2250-3105	3800-2100
11	2250-3115	3800-2101
12	2250-3125	3800-2102
13	2250-3135	3800-2103
14	2250-3145	3800-2104
15	2250-3155	3800-2105
16	2250-3165	3800-2106
17	2250-3175	3800-2107
18	2250-3185	3800-2108

Colour Identification Stripe		Type of Wire Terminated (all wires have a max. insulation diameter of 1.42mm (.056"))
IDT Slot version	Colour	
H	Green	24 AWG stranded, 26 AWG solid and fused and 28 AWG fused
J	Brown	26 AWG stranded, and 28 AWG solid and stranded



Molex's family of custom headers offers complete design flexibility to modify standard headers or develop new customized connectors to meet your design requirements. We have the right header solution to cater for programs of various volumes. Contact your nearest Molex sales office and our sales engineers will help to walk you through your header requirements.

Micro Fit 3.0™ 3.00mm (.118") Wire-to-Wire and Wire-to-Board System

43030 Female Crimp Terminal
43031 Male Crimp Terminal
46235 RMF (Reduced Mating Force) Terminal
43645 / 43025 Receptacle Crimp Housings
43640 / 43020 Plug Crimp Housings
43650 Single Row Vertical & Right Angle Headers
43045 Dual Row Vertical & Right Angle Headers
44242 Test Plug



Features and Benefits

Female and Male Crimp Terminals (43030 / 43031 Series)

- Four gas tight points of contact
- Tin plating or Gold plating
- 5.0A 250V rated
- Box type spring contact for high normal force
- Accommodates 20-24 or 26-30 gauge wires
- Locking tangs help eliminate terminal back-out

RMF Crimp Terminals (46235 Series)

- Reduced mating force
- Select Gold plating
- 5.0A 250V rated
- Optional lubed contact area for increased durability
- Accommodates 20-24 or 26-30 gauge wires
- Locking tangs help eliminate terminal back-out

Receptacle Housings (43645 / 43025 Series)

- Single row 2 to 12 circuit
- Dual row 2 to 24 circuit
- Wire-to-wire and wire-to-board applications
- Positive housing lock for secure mating retention
- Fully isolated terminals to protect contacts from damage
- UL94V-0 and Halogen Free IEC 60335-1 5th Edition Glow Wire compliant materials

Test Plug (44242 Series)

- Rated for 10,000 mating cycles
- Gold plated, Beryllium Copper pogo pin contacts precision made for long life
- For continuity testing only

Plug Housings (43640 / 43020 Series)

- Single row 2 to 12 circuit
- Dual row 2 to 24 circuit
- Wire-to-wire plug for panel mounting and free hanging applications
- Positive housing lock for secure mating retention
- Fully isolated terminals to protect contacts from damage
- UL94V-0 and Halogen Free IEC 60335-1 5th Edition Glow Wire compliant materials

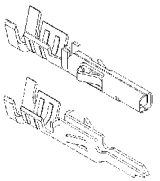
Single Row Headers (43650 Series)

- Single row 2 to 12 circuit
- Vertical and right angle versions
- Various board retention features
- Through hole and SMT options – all SMT compatible
- UL94V-0 and Halogen Free IEC 60335-1 5th Edition Glow Wire compliant material

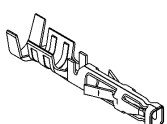
Dual Row Headers (43045 Series)

- Dual row 2 to 24 circuit
- Vertical and right angle versions
- Various board retention features
- Through hole and SMT options – all SMT compatible
- UL94V-0 and Halogen Free IEC 60335-1 5th Edition Glow Wire compliant material

Standard Terminals (43030 / 43031 Series)

	Wire Size (AWG)	Order No.							
		Female Terminal				Male Terminal			
		Reel		Bag		Reel		Bag	
		Tin Plating	15µ" Gold	Tin Plating	15µ" Gold	Tin Plating	15µ" Gold	Tin Plating	15µ" Gold
	20-24	43030-0001	43030-0002	43030-0007	43030-0008	43031-0001	43031-0002	43031-0007	43031-0008
	26-30	43030-0004	43030-0005	43030-0010	43030-0011	43031-0004	43031-0005	43031-0010	43031-0011

Reduced Mating Force Terminal (46235 Series)

	Wire Size (AWG)	Order No.	
		Non Lubricated	Lubricated
		15µ" Gold Plating	15µ" Gold Plating
	20-24	46235-0001	46235-5001
	26-30	46235-0003	46235-5003

Crimp Receptacle Housing Single Row (43645 Series)

	Number of Circuits	Order No.	
		Glow Wire & Halogen Free	UL94V-0
	2	43645-0208	43645-0200
	3	43645-0308	43645-0300
	4	43645-0408	43645-0400
	5	43645-0508	43645-0500
	6	43645-0608	43645-0600
	7	43645-0708	43645-0700

Number of Circuits	Order No.	
	Glow Wire & Halogen Free	UL94V-0
8	Please contact Molex	43645-0800
9		43645-0900
10		43645-1000
11		43645-1100
12		43645-1200

Crimp Receptacle Housing Dual Row (43025 Series)

	Number of Circuits	Order No.	
		Glow Wire & Halogen Free	UL94V-0
	2	43025-0208	43025-0200
	4	43025-0408	43025-0400
	6	43025-0608	43025-0600
	8	43025-0808	43025-0800
	10	43025-1008	43025-1000
	12	43025-1208	43025-1200

Number of Circuits	Order No.	
	Glow Wire & Halogen Free	UL94V-0
14	43025-1408	43025-1400
16	43025-1608	43025-1600
18		43025-1800
20		43025-2000
22		43025-2200
24	43025-2408	43025-2400

Crimp Plug Housing Single Row (43640 Series)

	Number of Circuits	Order No.			
		Panel Mount		Free Hanging	
		Glow Wire & Halogen Free	UL94V-0	Glow Wire & Halogen Free	UL94V-0
	2	43640-0208	43640-0200	43640-0209	43640-0201
	3	43640-0308	43640-0300	43640-0309	43640-0301
	4	43640-0408	43640-0400	43640-0409	43640-0401
	5		43640-0500		43640-0501
	6	43640-0608	43640-0600	43640-0609	43640-0601
	7	43640-0708	43640-0700	43640-0709	43640-0701

Number of Circuits	Order No.			
	Panel Mount		Free Hanging	
	Glow Wire & Halogen Free	UL94V-0	Glow Wire & Halogen Free	UL94V-0
8	Please contact Molex	43640-0800	Please contact Molex	43640-0801
9		43640-0900		43640-0901
10		43640-1000		43640-1001
11		43640-1100		43640-1101
12		43640-1200		43640-1201

Crimp Plug Housing Dual Row (43020 Series)

	Number of Circuits	Order No.			
		Panel Mount		Free Hanging	
		Glow Wire & Halogen Free	UL94V-0	Glow Wire & Halogen Free	UL94V-0
	2	43020-0208	43020-0200	43020-0209	43020-0201
	4	43020-0408	43020-0400	43020-0409	43020-0401
	6	43020-0608	43020-0600	43020-0609	43020-0601
	8	43020-0808	43020-0800	43020-0809	43020-0801
	10	43020-1008	43020-1000	43020-1009	43020-1001
	12	43020-1208	43020-1200	43020-1209	43020-1201

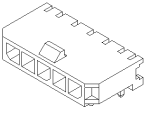
Number of Circuits	Order No.			
	Panel Mount		Free Hanging	
	Glow Wire & Halogen Free	UL94V-0	Glow Wire & Halogen Free	UL94V-0
14	Please contact Molex	43020-1400	Please contact Molex	43020-1401
16		43020-1600		43020-1601
18		43020-1800		43020-1801
20		43020-2000		43020-2001
22		43020-2200		43021-2201
24		43020-2400		43021-2401

Vertical Single Row Headers (43650 Series)

	Number of Circuits	Order No.		
		Through Hole with Retention Clip	SMT with Retention Clip	SMT with Fitting Nail
	2	43650-0218	43650-0221	43650-0224
	3	43650-0318	43650-0321	43650-0324
	4	43650-0418	43650-0421	43650-0424
	5	43650-0518	43650-0521	43650-0524
	6	43650-0618	43650-0621	43650-0624
	7	43650-0718	43650-0721	43650-0724
	8	43650-0818	43650-0821	43650-0824
	9	43650-0918	43650-0921	43650-0924
	10	43650-1018	43650-1021	43650-1024
	11	43650-1118	43650-1121	43650-1124
	12	43650-1218	43650-1221	43650-1224

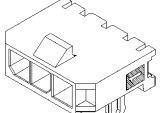
As these parts are made from an LCP material they meet the requirements of the IEC 60335-1 5th Edition Glow Wire standard
All above parts have Tin plating - other plating options are available upon request. Please contact Molex for details

Right Angle Through Hole Single Row Headers (43650 Series)

	Number of Circuits	Order No.	
		With Snap In Peg	With Retention Clip
	2	43650-0200	43650-0203
	3	43650-0300	43650-0303
	4	43650-0400	43650-0403
	5	43650-0500	43650-0503
	6	43650-0600	43650-0603
	7	43650-0700	43650-0703
	8	43650-0800	43650-0803
	9	43650-0900	43650-0903
	10	43650-1000	43650-1003
	11	43650-1100	43650-1103
	12	43650-1200	43650-1203

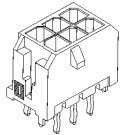
As these parts are made from an LCP material they meet the requirements of the IEC 60335-1 5th Edition Glow Wire standard
All above parts have Tin plating - other plating options are available upon request. Please contact Molex for details

Right Angle SMT Single Row Headers (43650 Series)

	Number of Circuits	Order No.	
		With Retention Clip	With Fitting Nail
	2	43650-0209	43650-0212
	3	43650-0309	43650-0312
	4	43650-0409	43650-0412
	5	43650-0509	43650-0512
	6	43650-0609	43650-0612
	7	43650-0709	43650-0712
	8	43650-0809	43650-0812
	9	43650-0909	43650-0912
	10	43650-1009	43650-1012
	11	43650-1109	43650-1112
	12	43650-1209	43650-1212

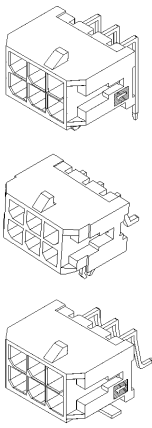
As these parts are made from an LCP material they meet the requirements of the IEC 60335-1 5th Edition Glow Wire standard
All above parts have Tin plating - other plating options are available upon request. Please contact Molex for details

Vertical Dual Row Headers (43045 Series)

	Number of Circuits	Order No.		
		Through Hole	SMT with Retention Clip	SMT with Fitting Nail
	2	43045-0212	43045-0215	43045-0218
	4	43045-0412	43045-0415	43045-0418
	6	43045-0612	43045-0615	43045-0618
	8	43045-0812	43045-0815	43045-0818
	10	43045-1012	43045-1015	43045-1018
	12	43045-1212	43045-1215	43045-1218
	14	43045-1412	43045-1415	43045-1418
	16	43045-1612	43045-1615	43045-1618
	18	43045-1812	43045-1815	43045-1818
	20	43045-2012	43045-2015	43045-2018
	22	43045-2212	43045-2215	43045-2218
	24	43045-2412	43045-2415	43045-2418

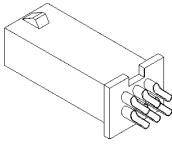
As these parts are made from an LCP material they meet the requirements of the IEC 60335-1 5th Edition Glow Wire standard
All above parts have Tin plating - other plating options are available upon request. Please contact Molex for details

Right Angle Dual Row Headers (43045 Series)

	Number of Circuits	Order No.		
		Through Hole	SMT with Retention Clip	SMT with Fitting Nail
	2	43045-0200	43045-0206	43045-0209
	4	43045-0400	43045-0406	43045-0409
	6	43045-0600	43045-0606	43045-0609
	8	43045-0800	43045-0806	43045-0809
	10	43045-1000	43045-1006	43045-1009
	12	43045-1200	43045-1206	43045-1209
	14	43045-1400	43045-1406	43045-1409
	16	43045-1600	43045-1606	43045-1609
	18	43045-1800	43045-1806	43045-1809
	20	43045-2000	43045-2006	43045-2009
	22	43045-2200	43045-2206	43045-2209
	24	43045-2400	43045-2406	43045-2409

As these parts are made from an LCP material they meet the requirements of the IEC 60335-1 5th Edition Glow Wire standard
All above parts have Tin plating - other plating options are available upon request. Please contact Molex for details

Test Plug (44242 Series)

	Number of Circuits	Order No.
	4	44242-0001
	6	44242-0002
	8	44242-0003
	10	44242-0004
	12	44242-0005
	14	44242-0006

Number of Circuits	Order No.
16	44242-0007
18	44242-0008
20	44242-0009
22	44242-0010
24	44242-0011

MV-396™

3.96mm (.156") and 7.92mm (.312") Pitch Wire-to-Board System

35922 Crimp Terminal
35977 Crimp Housing
49517 TPA Crimp Housing
49518 TPA Retainer
35978 / 35979 Vertical and Right Angle Headers



Features and Benefits

Crimp Terminal (35922 Series)

- Double cantilever style
- Suitable for 18-20 AWG wire
- Brass terminal with tin plating
- 7.0A current rating

Crimp Housing (35977 Series)

- 2 – 13 circuits
- UL 94V-0 and IEC 60335-1 Glow Wire compliant
- Positive lock
- Mates with both 3.96mm (.156") and 7.92mm (.312") headers
- Polarised geometry to prevent mis-mating

TPA Crimp Housing (49517 Series)

- 2 – 13 circuits
- Allows for the fitting of a TPA retainer to prevent terminal backout in high vibration applications
- Polarised geometry prevents mis-mating
- Positive lock
- Mates with both 3.96mm (.156") and 7.92mm (.312") headers
- UL 94V-0

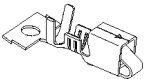
TPA Retainer (49518 Series)

- For use with 35977 series crimp housings
- Prevents terminal back out in high vibration applications

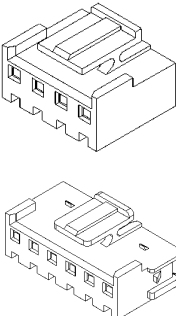
Vertical & Right Angle Headers (35978 and 35979 Series)

- 3.96mm (.156") & 7.92mm (.312") versions
- 2 – 13 circuits 3.96mm (.156")
- 2 – 8 circuits 7.92mm (.312")
- UL 94V-0 and IEC 60335-1 Glow Wire compliant
- Tin plating
- 7.0A current rating

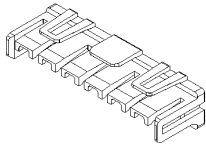
Crimp Terminal (35922 Series)

	Wire Size	Order No.
		Reel
	18 to 20 AWG	35922-9002

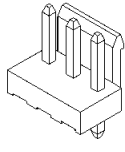
Crimp Housings (35977 Series)

	Number of Circuits	Order No.	
		Standard	TPA Type
	2	35977-0290	49517-0200
	3	35977-0390	49517-0300
	4	35977-0490	49517-0400
	5	35977-0590	49517-0500
	6	35977-0690	49517-0600
	7	35977-0790	49517-0700
	8	35977-0890	49517-0800
	9	35977-0990	49517-0900
	10	35977-1090	49517-1000
	11	35977-1190	49517-1100
	13	35977-1390	49517-1300

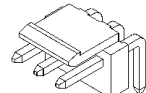
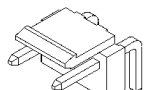
TPA for use with 49517 Crimp Housing (49518 Series)

	Number of Circuits	Order No.
	2	49518-0290
	3	49518-0390
	4	49518-0490
	5	49518-0590
	6	49518-0690
	7	49518-0790
	8	49518-0890
	9	49518-0990
	10	49518-1090
	11	49518-1190
	13	49518-1390

Vertical Headers (35978 / 35979 Series)

	Number of Circuits	Order No.	
		3.96mm Pitch	7.92mm Pitch
	2	35978-0230	35979-0240
	3	35978-0330	35979-0340
	4	35978-0430	35979-0440
	5	35978-0530	35979-0540
	6	35978-0630	35979-0640
	7	35978-0730	35979-0740
	8	35978-0830	35979-0840
	9	35978-0930	N/A
10	35978-1030	N/A	
11	35978-1130	N/A	
13	35978-1330	N/A	

Right Angle (35978 / 35979 Series)

 	Number of Circuits	Order No.	
		3.96mm Pitch	7.92mm Pitch
	2	35978-0240	35979-0250
	3	35978-0340	35979-0350
	4	35978-0440	35979-0450
	5	35978-0540	35979-0550
	6	35978-0640	35979-0650
	7	35978-0740	35979-0750
	8	35978-0840	35979-0850
	9	35978-0940	N/A
	10	35978-1040	N/A
	11	35978-1140	N/A
	13	35978-1340	N/A

Mini Fit® Jr & Plus HCS 4.20mm (.165") Wire-to-Wire and Wire-to-Board System

5556 Female Crimp Terminal
5558 Male Crimp Terminal
45750 Female Plus HCS Terminal
46012 Male Plus HCS Terminal
5557 Crimp Receptacle Housing
5559 Crimp Plug Housing
5566 Vertical Header
5569 Right Angle Header
46014 / 46015 Plus HCS
Vertical Header
44281 Test Plug



Features and Benefits

Female and Male Crimp Terminals (5556 / 5558 Series)

- Four gas tight points of contact
- Tin plating
- 9.0A 600V rated
- Accommodates 16-24 gauge wire
- Locking tangs help eliminate terminal back-out

Female and Male Plus HCS Crimp Terminals (45750 / 46012 Series)

- Post plated for superior electrical performance
- Tin plating
- 12.0A 600V rated
- Accommodates 16-20 gauge wire
- Locking tangs help eliminate terminal back-out

Receptacle Housing (5557 Series)

- Single row 3,4 and 5 circuit
- Dual row 2 to 24 circuit
- Wire-to-wire and wire-to-board applications
- Positive housing lock for secure mating retention
- Fully isolated terminals to protect contacts from damage
- Available in UL94V-2, UL94V-0 and Halogen Free IEC 60335-1 5th Edition Glow Wire compliant materials

Test Plug (44281 Series)

- Rated for 10,000 mating cycles
- Spring loaded Gold plated, Beryllium Copper contacts precision made for long life
- For continuity testing only

Plug Housing (5559 Series)

- Single row 3,4 and 5 circuit
- Dual row 2 to 24 circuit
- Wire-to-wire plug for panel mounting and free hanging applications
- Positive housing lock for secure mating retention
- Fully isolated terminals to protect contacts from damage
- Available in UL94V-2, UL94V-0 and Halogen Free IEC 60335-1 5th Edition Glow Wire compliant materials

Vertical Header (5566 Series)

- Single row 3,4 and 5 circuit
- Dual row 2 to 24 circuit
- Available with or without PCB pegs
- UL94V-0 and Halogen Free IEC 60335-1 5th Edition Glow Wire compliant materials

Right Angle Header (5569 Series)

- Single row 3,4 and 5 circuit
- Dual row 2 to 24 circuit
- Available with or without PCB pegs and flanges
- UL94V-0 and Halogen Free IEC 60335-1 5th Edition Glow Wire compliant materials

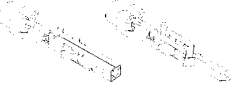
Plus HCS Header (46014 / 46015 Series)

- Single row 3,4 and 5 circuit
- Dual row 2 to 24 circuit
- Available with or without PCB pegs and flanges
- Available in UL94V-2, UL94V-0 and Halogen Free IEC 60335-1 5th Edition Glow Wire compliant materials

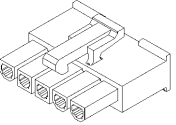
Standard Terminals (5556 / 5558 Series)

	Wire Size (AWG)	Order No.							
		Female Terminal				Male Terminal			
		Brass		Phosphor Bronze		Brass		Phosphor Bronze	
		Reel	Bag	Reel	Bag	Reel	Bag	Reel	Bag
	16	39-00-0077	39-00-0078	39-00-0079	39-00-0080	39-00-0081	39-00-0082	39-00-0083	39-00-0084
	18-24	39-00-0038	39-00-0039	39-00-0059	39-00-0060	39-00-0040	39-00-0041	39-00-0061	39-00-0062

Plus HCS Terminals (45750 / 46012 Series)

	Wire Size (AWG)	Order No.			
		Female Terminal		Male Terminal	
		Reel	Bag	Reel	Bag
	16	45750-3111	45750-3112	46012-3141	46012-3142
	18-20	45750-1111	45750-1112	46012-1141	46012-1142

Crimp Receptacle Housing Single Row (5557 Series)

	Number of Circuits	Order No.		
		Glow Wire & Halogen Free	94V-2	94V-0
	3 (First make last Break)	5029-1662	3901-4030	3901-4031
	4	5036-1746	3901-4040	3901-4041
	5	5036-1682	3901-4050	3901-4051

Crimp Receptacle Housing Dual Row (5557 Series)

	Number of Circuits	Order No.		
		Glow Wire & Halogen Free	94V-2	94V-0
	2	5036-1673	3901-2020	3901-2025
	4	5030-4461	3901-2040	3901-2045
	6	5036-1672	3901-2060	3901-2065
	8	5036-1713	3901-2080	3901-2085
	10	5036-1671	3901-2100	3901-2105
	12	5036-1674	3901-2120	3901-2125
	14	5036-2293	3901-2140	3901-2145
	16	5036-1669	3901-2160	3901-2165
	18	5036-1668	3901-2180	3901-2185
	20		3901-2200	3901-2205
	22		3901-2220	3901-2225
	24	5036-1667	3901-2240	3901-2245

Crimp Plug Housing Single Row (5559 Series)

	Number of Circuits	Order No.					
		Panel Mount			Free Hanging		
		Glow Wire & Halogen Free	94V-2	94V-0	Glow Wire & Halogen Free	94V-2	94V-0
	3 (First make last Break)	5036-1893	3901-4032	3901-4033	5029-1663	3901-4036	3901-4037
	4		3901-4042	3901-4043	2601-3093	3901-4046	3901-4047
	5		3901-4052	3901-4053	5036-1681	3901-4056	3901-4057

Crimp Plug Housing Dual Row (5559 Series)

	Number of Circuits	Order No.					
		Panel Mount			Free Hanging		
		Glow Wire & Halogen Free	94V-2	94V-0	Glow Wire & Halogen Free	94V-2	94V-0
	2	5036-1734	3901-2021	3901-2026	5036-1678	3901-3023	3901-3029
	4	5036-1735	3901-2041	3901-2046	5036-1679	3901-3043	3901-3049
	6	5036-1736	3901-2061	3901-2066	5036-1675	3901-3063	3901-3069
	8	5036-1716	3901-2081	3901-2086	5036-1737	3901-3083	3901-3089
	10	5036-1739	3901-2101	3901-2106	5036-1738	3901-3103	3901-3109
	12	5036-1869	3901-2121	3901-2126	2601-3096	3901-3123	3901-3129
	14	5036-1876	3901-2141	3901-2146		3901-3143	3901-3149
	16	5036-2273	3901-2161	3901-2166	5036-1676	3901-3163	3901-3169
	18	2601-3187	3901-2181		5036-1677	3901-3183	
	20		3901-2201				
	22		3901-2221				
	24		3901-2241	3901-2246			

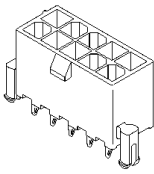
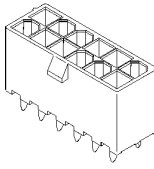
Vertical Single Row Header with Pegs (5566 Series)

	Number of Circuits	Order No.		
		Glow Wire & Halogen Free	94V-2	94V-0
	3	5036-1809	3930-5039	3930-6030
	4	5036-2367	3930-5049	3930-4466
	5	5036-1819		5030-4467

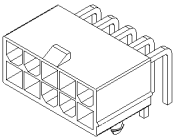
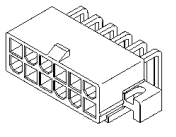
Right Angle Single Row Header with Pegs and Flanges (5569 Series)

	Number of Circuits	Order No.					
		With Pegs			With Flanges		
		Glow Wire & Halogen Free	94V-2	94V-0	Glow Wire & Halogen Free	94V-2	94V-0
	3	5036-1769	3930-7031	3930-7032		3930-6039	3930-7030
	4	5036-1779	3930-7041	3930-7042		3901-6049	
	5	5036-1747	3930-7051	3930-7052			

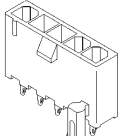
Vertical Dual Row Header with / without Pegs (5566 Series)

 	Number of Circuits	Order No.					
		With Pegs			Without Pegs		
		Glow Wire & Halogen Free	94V-2	94V-0	Glow Wire & Halogen Free	94V-2	94V-0
	2	5036-1699	3929-9023	3929-9027	5036-1882	3928-1023	3928-8020
	4	5036-1702	3929-9043	3929-9047	5036-1884	3928-1043	3928-8040
	6	5036-1704	3929-9063	3929-9067	5036-1697	3928-1063	3928-8060
	8	5036-1706	3929-9083	3929-9087	5036-1683	3928-1083	3928-8080
	10	5036-1708	3929-9103	3929-9107	5036-1741	3928-1103	3928-8100
	12	5036-1711	3929-9123	3929-9127	5036-1886	3928-1123	3928-8120
	14		3929-9143	3929-9147	5036-1888	3928-1143	3928-8140
	16		3929-9163	3929-9167	5036-1891	3928-1163	3928-8160
	18		3929-9183	3929-9187		3928-1183	3928-8180
	20		3929-9203	3929-9207		3928-1203	3928-8200
	22		3929-9223	3929-9227		3928-1223	3928-8220
24		3929-9243	3929-9247		3928-1243	3928-8240	

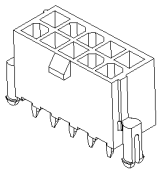
Right Angle Dual Row Header with Pegs / Flanges (5569 Series)

 	Number of Circuits	Order No.					
		With Pegs			With Flanges		
		Glow Wire & Halogen Free	94V-2	94V-0	Glow Wire & Halogen Free	94V-2	94V-0
2	5036-2375	3930-7025	3930-7026	Please contact Molex		3929-1028	3929-1027
4	5036-2306	3930-7045	3930-7046			3929-1048	3929-1047
6	5036-2377	3930-7065	3930-7066			3929-1068	3929-1067
8		3930-7085	3930-7086			3929-1088	3929-1087
10	5036-2294	3930-7105	3930-7106			3929-1108	3929-1107
12	5036-2317	3930-7125	3930-7126			3929-1128	3929-1127
14	5036-2298	3930-7145	3930-7146			3929-1148	3929-1147
16		3930-7165	3930-7166			3929-1168	3929-1167
18		3930-7185				3929-1188	3929-1187
20		3930-7205	3930-7206			3929-1208	3929-1207
22		3930-7225				3929-1228	3929-1227
24		3930-7245	3930-7246			3929-1248	3929-1247

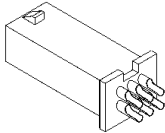
Plus HCS Vertical Single Row Header with Pegs (46014 Series)

	Number of Circuits	Order No.		
		Glow Wire & Halogen Free	94V-2	94V-0
		Please contact Molex	46014-0305	46014-0304
4			46014-0405	46014-0404
5				46014-0503

Plus HCS Vertical Dual Row Header with / without Pegs (46015 Series)

	Number of Circuits	Order No.					
		With Pegs			Without Pegs		
		Glow Wire & Halogen Free	94V-2	94V-0	Glow Wire & Halogen Free	94V-2	94V-0
2	Please contact Molex		46015-0207	46015-0203	Please contact Molex	46015-0206	46015-0202
4			46015-0407	46015-0403		46015-0406	46015-0402
6			46015-0607	46015-0603		46015-0606	46015-0602
8			46015-0807	46015-0803		46015-0806	46015-0802
10			46015-1007	46015-1003		46015-1006	46015-1002
12			46015-1207	46015-1203		46015-1206	46015-1202
14			46015-1407	46015-1403		46015-1406	46015-1402
16			46015-1607	46015-1603		46015-1606	46015-1602
18			46015-1807	46015-1803		46015-1806	46015-1802
20			46015-2007	46015-2003		46015-2006	46015-2002
22			46015-2207	46015-2203		46015-2206	46015-2202
24			46015-2407	46015-2403		46015-2406	46015-2402

Test Plug (44281 Series)

	Number of Circuits	Order No.
	4	44281-0001
	6	44281-0002
	8	44281-0003
	10	44281-0004
	12	44281-0005
	14	44281-0006
	16	44281-0007

Number of Circuits	Order No.
18	44281-0008
20	44281-0009
22	44281-0010
24	44281-0011
36	44281-0012
40	44281-0013

MLX™

2.13mm (.084") Diameter Wire-to-Wire and Wire-to-Board System

42024 Female Crimp Terminal

42023 Male Crimp Terminal

42022 Pin and Socket Crimp

Receptacle Housing

**42021 Pin and Socket Crimp Plug
Housing**

**42002 Male and Female Vertical
Headers**

36780 Wire and Interface Seals



Features and Benefits

Female and Male Crimp Terminals (42024 / 42023 Series)

- Brass or Phosphor Bronze base material
- Locking tang on terminal for secure retention to the housing
- Tin plating
- 13.5A 600V rated
- Cross tested to assure industry compatibility
- Can be terminated with Molex or commercially available tooling
- Split pin for reduced mating forces

Receptacle Housing (42022 Series)

- Designed to accept both Male and Female terminals
- Intermateable, intermountable and interchangeable with industry standard versions
- Cross tested to assure industry compatibility
- Positive locks
- Fully isolated contacts
- Circuit ID grooves to reduce assembly errors
- UL 94V-0, V-2 and Glow Wire complaint versions
- Anti stress positioning tabs to reduce breakage

Plug Housing (42021 Series)

- Designed to accept both Male and Female terminals
- Intermateable, intermountable and interchangeable with industry standard versions
- Cross tested to assure industry compatibility
- Positive locks
- Fully isolated contacts
- Circuit ID grooves to reduce assembly errors
- UL 94V-0, V-2 and Glow Wire complaint versions
- Anti stress positioning tabs to reduce breakage

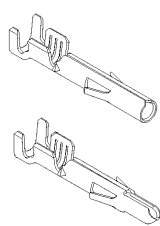
Vertical Header (42002 Series)

- Available with either Male or Female contacts
- Intermateable, intermountable and interchangeable with industry standard versions
- Cross tested to assure industry compatibility
- Positive locks
- Fully isolated contacts
- UL 94V-0, V-2 and Glow Wire complaint versions

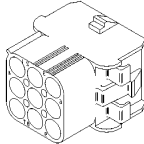
Wire and Interface Seals (36780 Series)

- Provides IP57 sealing for an economical splash proof / immersible sealed connector system
- Utilizes two wire seals and one interface seal
- Silicon rubber, red colour

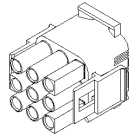
Terminals (42024 / 42023 Series)

	Type	Order No.			
		Female Terminal		Male Terminal	
		Reel	Bag	Reel	Bag
	Standard Brass	0208-1001	0208-1002	0208-2003	0208-2004
	Phosphor Bronze	0208-1003	0208-1004	0208-2005	0208-2006

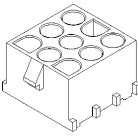
Receptacle Housing (42022 Series)

	Number of Circuits	Order No.			
		Glow Wire	94V-0 (White)	94V-0 (Brick Red)	94V-2 (White)
	1	36644-0001	5084-2012	5084-2011	5084-2010
	2	36644-0002	5084-2022	5084-2021	5084-2020
	3	36644-0003	5084-2032	5084-2031	5084-2030
	4	36644-0004	5084-2042	5084-2041	5084-2040
	6	36644-0005	5084-2062	5084-2061	5084-2060
	9	36644-0006	5084-2092	5084-2091	5084-2090
	12	36644-0007	5084-2122	5084-2121	5084-2120
	15	36644-0008	5084-2152	5084-2151	5084-2150

Plug Housing (42021 Series)

	Number of Circuits	Order No.			
		Glow Wire	94V-0 (White)	94V-0 (Brick Red)	94V-2 (White)
	1	36643-0001	5084-1015	5084-1011	5084-1010
	2	36643-0002	5084-1025	5084-1021	5084-1020
	3	36643-0003	5084-1035	5084-1031	5084-1030
	4	36643-0004	5084-1045	5084-1041	5084-1040
	6	36643-0005	5084-1065	5084-1061	5084-1060
	9	36643-0006	5084-1095	5084-1091	5084-1090
	12	36643-0007	5084-1125	5084-1121	5084-1120
	15	36643-0008	5084-1155	5084-1151	5084-1150

Vertical Header (42002 Series)

	Number of Circuits	Order No.							
		Glow Wire		94V-0 (White)		94V-0 (Brick Red)		94V-2 (White)	
		Male	Female	Male	Female	Male	Female	Male	Female
	2	36757-0101	36757-0141	1084-5020	1084-5021	1084-4021	1084-4023	1084-4020	1084-4022
	3	36757-0102	36757-0142	1084-5030	1084-5031	1084-4031	1084-4033	1084-4030	1084-4032
	4	36757-0103	36757-0143	1084-5040	1084-5041	1084-4041	1084-4043	1084-4040	1084-4042
	6	36757-0104	36757-0144	1084-5060	1084-5061	1084-4061	1084-4063	1084-4060	1084-4062
	9	36757-0105	36757-0145	1084-5090	1084-5091	1084-4091	1084-4093	1084-4090	1084-4092
	12	36757-0106	36757-0146	1084-5120	1084-5121	1084-4121	1084-4123	1084-4120	1084-4122
	15	36757-0107	36757-0147	1084-5150	1084-5151	1084-4151	1084-4153	1084-4150	1084-4152

Wire and Interface Seals (36780 Series)

	Number of Circuits	Order No.	
		Wire Seal	Interface Seal
	2	36780-0021	36780-0001

VersaBlade™ 1.80mm (.070") Wire-to-Wire System

**35746 / 35748 / 35028 Female
Crimp Terminals**

**35745 / 35747 / 35040 Male
Crimp Terminals**

35151 Female Housing

35150 Male Housing

35182 TPA Retainer

35181 Female Housing

35965 Female Housing

35180 Male Housing

35965 TPA Retainer

35525 Female Housing

35524 Male Housing

35128 Female Housing

35127 Male Housing

35129 TPA Retainer

Features and Benefits

- 15Amp @ 300V max per circuit
- Low insertion force
- Free hanging and panel mount options
- TPA retainers to help prevent terminal back out in high vibration applications
- Positive locking
- Fully polarised housings and terminals
- IEC 60335-1 Glow Wire and UL 94V-0 versions available

Hybrid System

- 35151 series female housings 1, 2, 3, 4 and 6 circuit versions
- UL 94V-0 and IEC 60335-1 Glow Wire compliant
- Positive lock
- Male housings 35150 series available with or without panel mount ears
- Use with 35746 or 35748 female terminals and 35745 or 35747 male terminals
- Use with 35182 series TPA retainers

Multi Module System

- 4 and 6 circuit Male housings (series 35180) that mate with a combination of 2 way female housings (series 35181 or 35965)
- Use with 35746 or 35748 female terminals and 35745 or 35747 male terminals
- Use with 35182 and 35965 series TPA retainers

Multi Module System

- 9 circuit male housing (series 35524) that mates with a 2 circuit (series 35525), 3 circuit (35151 series) and 4 circuit (35150 series) female housing
- Use with 35746 or 35748 female terminals and 35745 or 35747 male terminals
- Use with 35150 series TPA retainers

Single Module System

- 2 and 4 circuit single row female (series 35128 series) housings plus 6 and 10 circuit dual row female housings mate with corresponding male housings (series 35127)
- Use with 35028 female terminals and 35040 male terminals
- Use with 35129 series TPA retainers



Hybrid System

Wire Size (AWG)	Order No.	
	Female Terminal	
	Polarised	Non Polarised
16 - 18	35746-0210	35748-0210
20 - 22	35746-0110	35748-0110
24 - 26	35746-0410	35748-0410
18+18 / 20+20	35746-0310	35748-0310
		

Wire Size (AWG)	Order No.	
	Male Terminal	
	Polarised	Non Polarised
16 - 18	35745-0210	35747-0210
20 - 22	35745-0110	35747-0110
24 - 26	35745-0410	35747-0410
18+18 / 20+20	35745-0310	35747-0310
		

Female Housings

Number of Circuits	Order No.	
	Housing	TPA
1	35151-0119	35182-0192
2	35151-0219	35150-0292
3	35151-0319	35150-0392
4	35151-0419	35150-0292
6	35151-0619	35150-0392
		

Number of Circuits	Order No.		
	With Panel Mount Ears	TPA	W/O Panel Mount Ears
1	N/A	35182-0192	35150-0109
2	35150-0219	35150-0292	35150-0209
3	35150-3309	35150-0392	35150-0309
4	35150-3419	35150-0292	35150-0409
6	35150-3619	35150-0392	35150-0609
			

Multi Module System

Wire Size (AWG)	Order No.	
	Female Terminal	
	Polarised	Non Polarised
16 - 18	35746-0210	35748-0210
20 - 22	35746-0110	35748-0110
24 - 26	35746-0410	35748-0410
18+18 / 20+20	35746-0310	35748-0310
		

Wire Size (AWG)	Order No.	
	Male Terminal	
	Polarised	Non Polarised
16 - 18	35745-0210	35747-0210
20 - 22	35745-0110	35747-0110
24 - 26	35745-0410	35747-0410
18+18 / 20+20	35745-0310	35747-0310
		

Female Housings

Housing Type	Order No.			
	Top TPA	TPA	Side TPA	TPA
A	35181-0200	35182-0192	35965-0200	35965-0292
B	35181-0210		35965-0210	
				

Male Housings

Number of Circuits	Order No.	
	Housing	TPA
4	35180-0400	35182-0292
		

Each 4 circuit male housing requires 1 x A type female and 1 x B type female housings

Female Housings

Housing Type	Order No.			
	Top TPA	TPA	Side TPA	TPA
A	35181-0200	35182-0192	35965-0200	35965-0292
B	35181-0210		35965-0210	
C	35181-0220		35965-0220	
				

Male Housings

Number of Circuits	Order No.	
	Housing	TPA
6	35180-0600	35182-0392
		

Each 6 circuit male housing requires 1 x A type female, 1 x C type female and 1 x B type female housings

Female Housings

Housing Type	Order No.			
	Housing		TPA	
2	35525-0200		35150-0292	
3	35151-0310		35150-0392	
4	35150-0410		35150-0292	

Male Housings

Number of Circuits	Order No.	
	Housing	TPA
9	35524-0920	35150-0392
		

Each 9 circuit housing requires 1 x 2 way, 1 x 3 way and 1 x 4 way female housings

Single Module System

Wire Size (AWG)	Order No.
	Female Terminal
14 - 20	35028-1111
18 - 22	35028-0910
20 + 2	35028-9502
	

Wire Size (AWG)	Order No.
	Male Terminal
14	35040-9502
16 - 18	35040-9000
18 - 20	35040-9802
	

Female Housings

Number of Circuits	Order No.	
	Housing	TPA
2	35128-0200	35129-0200
4	35128-0400	35129-0400
6 Dual Row	35128-0600	35129-0300
10 Dual Row	35128-1000	35129-0500
		

Male Housings

Number of Circuits	Order No.	
	Housing	TPA
2	35127-0200	35129-0200
4	35127-0400	35129-0400
6 Dual Row	35127-0600	35129-0300
10 Dual Row	35127-1000	35129-0500
		

Each 9 circuit housing requires 1 x 2 way, 1 x 3 way and 1 x 4 way female housings

Sabre™ 7.50mm (.295") Wire-to-Wire and Wire-to-Board System

43375 Female Crimp Terminal
43178 Male Crimp Terminal
44441 Crimp Receptacle Housing
43680 Crimp Plug Housing
43160 Vertical and Right Angle Headers



Features and Benefits

Female and Male Crimp Terminals (43375 / 43178 Series)

- Patented new integral Terminal Position Assurance (TPA) on female and male terminals virtually eliminates terminal back-out
- Four points of electrical contact
- Tin plating
- 18.0A 600V rated
- Accommodates 14-18 gauge wire

Receptacle Housing (44441 Series)

- Patented new integral Terminal Position Assurance (TPA) on mated female and male terminals virtually eliminates terminal back-out
- For use in wire-to-wire and wire-to-board connector systems
- Polarised housing assures proper mating
- Terminals are fully isolated inside the housing
- Positive latch reduces accidental disengagement from plug
- IEC 60335-1 Glow Wire, UL 94V-0 and UL94V-2 versions available

Plug Housing (43680 Series)

- Patented new integral Terminal Position Assurance (TPA) on mated female and male terminals virtually eliminates terminal back-out
- For use in wire-to-wire systems
- Polarised housing assures proper mating
- Terminals are fully isolated inside the housing
- Positive latch reduces accidental disengagement from plug
- IEC 60335-1 Glow Wire, UL 94V-0 and UL94V-2 versions available

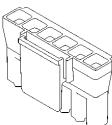
Vertical and Right Angle Headers (43160 Series)

- 2 - 6 circuit
- Optional board lock features offered in 1.57, 2.36 and 3.18mm (.063, .093 and .125") lengths
- Positive lock
- Fully polarised
- UL 94V-0, V-2 and Glow Wire complaint versions

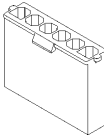
Terminals (43375 / 43178 Series)

	Wire Size (AWG)	Order No.			
		Female Terminal		Male Terminal	
		Single Wire	Single or Double Wire	Single Wire	Single or Double Wire
	14 - 18	43375-0001	43375-1001	43178-1002	43178-2002

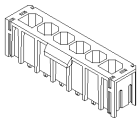
Crimp Receptacle Housing (44441 Series)

	Number of Circuits	Order No.	
		UL 94V-0 and Glow Wire	UL 94V-2
	2	44441-2002	44441-1002
	3	44441-2003	44441-1003
	4	44441-2004	44441-1004
	5	44441-2005	44441-1005
	6	44441-2006	44441-1006

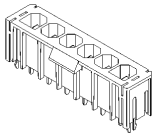
Crimp Plug Housing (43680 Series)

	Number of Circuits	Order No.	
		UL 94V-0 and Glow Wire	UL 94V-2
	2	43680-2002	43680-1002
	3	43680-2003	43680-1003
	4	43680-2004	43680-1004
	5	43680-2005	43680-1005
	6	43680-2006	43680-1006

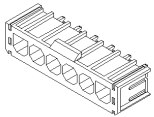
Vertical Header without Board Locks (43160 Series)

	Number of Circuits	Order No.	
		UL 94V-0 and Glow Wire	PC Tail Length
	2	43160-0102	3.81 (.150")
		43160-0302	5.33 (.210")
	3	43160-0103	3.81 (.150")
		43160-0303	5.33 (.210")
	4	43160-0104	3.81 (.150")
		43160-0304	5.33 (.210")
	5	43160-0105	3.81 (.150")
		43160-0305	5.33 (.210")
	6	43160-0106	3.81 (.150")
		43160-0306	5.33 (.210")

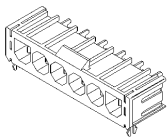
Vertical Header with Board Locks (43160 Series)

	Number of Circuits	Order No.	
		UL 94V-0 and Glow Wire	PCB Thickness
	2	43160-2102	1.57 (.062")
		43160-4302	2.36 (.093")
		43160-6302	3.18 (.125")
	3	43160-2103	1.57 (.062")
		43160-4303	2.36 (.093")
		43160-6303	3.18 (.125")
	4	43160-2104	1.57 (.062")
		43160-4304	2.36 (.093")
		43160-6304	3.18 (.125")
	5	43160-2105	1.57 (.062")
		43160-4305	2.36 (.093")
		43160-6305	3.18 (.125")
	6	43160-2106	1.57 (.062")
		43160-4306	2.36 (.093")
		43160-6306	3.18 (.125")

Right Angle Header without Board Locks (43160 Series)

	Number of Circuits	Order No.	
		UL 94V-0 and Glow Wire	PC Tail Length
	2	43160-1102	3.81 (.150")
		43160-1302	5.33 (.210")
	3	43160-1103	3.81 (.150")
		43160-1303	5.33 (.210")
	4	43160-1104	3.81 (.150")
		43160-1304	5.33 (.210")
	5	43160-1105	3.81 (.150")
		43160-1305	5.33 (.210")
	6	43160-1106	3.81 (.150")
		43160-1306	5.33 (.210")

Right Angle Header with Board Locks (43160 Series)

	Number of Circuits	Order No.	
		UL 94V-0 and Glow Wire	PCB Thickness
	2	43160-3102	1.57 (.062")
		43160-5302	2.36 (.093")
		43160-7302	3.18 (.125")
	3	43160-3103	1.57 (.062")
		43160-5303	2.36 (.093")
		43160-7303	3.18 (.125")
	4	43160-3104	1.57 (.062")
		43160-5304	2.36 (.093")
		43160-7304	3.18 (.125")
	5	43160-3105	1.57 (.062")
		43160-5305	2.36 (.093")
		43160-7305	3.18 (.125")
	6	43160-3106	1.57 (.062")
		43160-5306	2.36 (.093")
		43160-7306	3.18 (.125")

Membrane and Capacitive Switch Products



Molex is the most vertically integrated manufacturer of custom user interface solutions in the world, producing its own polyester circuits, copper flex and graphic overlays. For more than 15 years Molex has supported the Appliance market with custom user interfaces able to withstand the rigorous demands and long product life of this market. Molex has provided the industry with millions of user interfaces; placing over 500 Million LEDs, numerous seven segment displays and various sensors. In addition to supplying tactile and non-tactile membrane keypads, Molex has the capability to design and manufacture a wide variety of capacitive controls. A dedicated team of engineers can take care of full hardware and software designs offering a wide variety of protocols: i2c, UART, SPI, USB to name a few. One of the core strengths of Molex is to offer interfaces with a wide variety of backlighting solutions and the ability to provide homogenous lit icons immediately over the key positions.

Features and Benefits

Membrane Switches

- Light weight and low profile
- Easy shielding against EMI / RFI interference
- Excellent shock and vibration resistance
- Placement of LED's, seven segment displays and sensors direct on the polyester circuit
- Sealed for easy cleaning
- Tactile and non-tactile buttons available
- Toggle and rocker switches incorporated
- 3D effects using shaded graphics

Capacitive Switches

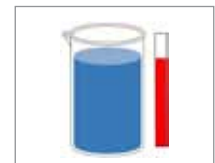
- Circuit can be constructed using polyester, polyimide or PCB
- Unique backlighting solutions
- No moving parts
- Unlimited cosmetic options including colours, textures and backlighting
- Sensing possible through 6mm thick glass
- Resistant to contaminants and EMI
- Can be mounted on a curved surface
- Haptic feedback available
- Sealed for easy cleaning
- Easy key sensitivity adjustment



Rotary Sliders



Linear Sliders



Position Movement and Proximity Sensing

Custom Solutions



When it comes to investing in research and development, Molex is an industry leader. We know that by leveraging our internal product technology, we can drive a continuous supply of innovation directly to you. If you are faced with a specific challenge that cannot be solved through our existing portfolio of connectors and integrated products, then let's work together and meet this challenge.

Our custom solutions range from foam-in connectors designed to meet the demands of the refrigeration industry, connectors designed to mate with industry standard components such as motors and compressors, to custom ribbon cable jumpers and complete electro mechanical re-design and manufacture.



Application Tooling

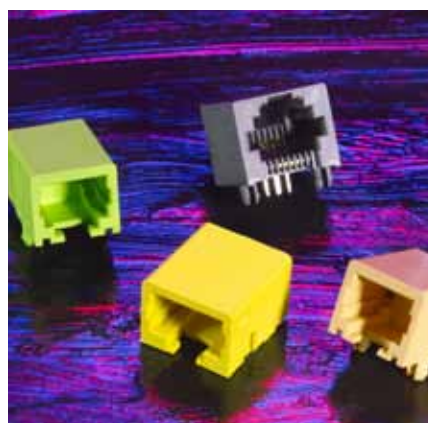
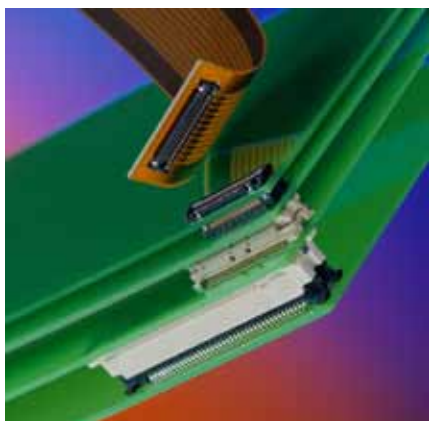


Molex offers the full range of application tooling. Hand tools designed for prototypes and low-volume manufacture, semi-automatic bench tools and fully automatic RAST harness assembly machines. Our assembly machines have a proven track record in the industry and are the tool of choice for major harness makers worldwide. Molex has a team of tooling engineers in every region to support all your tooling requirements. Please contact your local Molex office.



Future-Proof Solutions

Home Appliance manufacturers are continually looking for ways to set their products apart from their competitors. The latest trends include smart appliances, wireless remote control, appliances with built in video/audio streaming, small stackable appliances, RFID scanners and of course, ultra efficient appliances. All of these exciting developments require more and more electronics and hence more connectivity including Input/Output, docking station, board-to-board, RF, modular jacks and plugs and wire-to-board products. Molex is also able to offer a comprehensive range of standard and custom antenna's ideally suited to the appliance market. Using the latest molding, stamping and assembly processes plus techniques such as LDS (Laser Direct Structuring) and MID (molded interconnect device) Molex is able to offer standard and custom solutions to help designers bring the future into today.



www.molex.com/industry/home_appliance.html