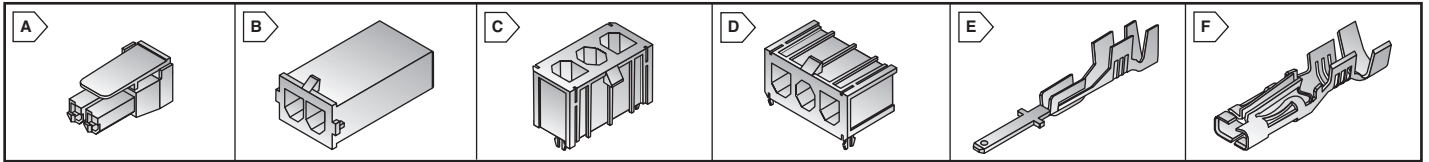


MOLEX 7.50mm Sabre™ and 5.08mm Disk Drive Power Connectors

one company a world of innovation



7.50MM PITCH SABRE™ CONNECTORS-SINGLE ROW

The Sabre™ system is a robust power connector supplying up to 18 amperes for high current applications. Designed and patented by Molex engineers, Sabre™ standardizes manufacturing footprints by offering both wire-to-wire and wire-to-board configurations. The terminal is designed with a Terminal Position Assurance (TPA) feature that virtually eliminates terminal backout. Activation of the TPA feature is optional. The positive locking latch on the receptacle housing prevents accidental disconnection.

Receptacles

- Polarized housing assures proper mating
- Terminals are fully isolated in housing
- Housing: Nylon, UL94V-0
- Mates with: 43160 series header and 43680 series plug
- RoHS Compliant per Molex documentation
- Temperature: -40° to +75°C
- Voltage: 1000V
- Current: 18.0A



RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each			
				1	10	100	500
538-44441-2002	44441-2002	A	2	.93	.82	.54	.43
538-44441-2003	44441-2003	A	3	1.08	.82	.63	.51
538-44441-2004	44441-2004	A	4	1.28	1.13	.75	.58
538-44441-2005	44441-2005	A	5	1.52	1.36	.88	.71
538-44441-2006	44441-2006	A	6	1.47	1.22	.864	.69

Plugs

- Wire-to-Wire
- Anti-tangle latch protects harness wires
- Polarized housing assures proper mating
- Terminals are fully isolated in housing
- RoHS Compliant per Molex documentation
- Housing: Nylon, UL94V-0
- Mates with: 44441 series receptacle
- Temperature: -40° to +75°C
- Voltage: 1000V
- Current: 18.0A



RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each			
				1	10	100	500
538-43680-2002	43680-2002	B	2	.93	.81	.59	.43
538-43680-2003	43680-2003	B	3	1.12	.99	.68	.52
538-43680-2004	43680-2004	B	4	1.29	1.16	.75	.59
538-43680-2005	43680-2005	B	5	1.44	1.27	.84	.71
538-43680-2006	43680-2006	B	6	1.63	1.43	.95	.76

Vertical Headers

- Wire-to-Board Header
- Accommodates .062 board thickness
- Surface Mount Compatible
- Housing: Black glass-filled nylon, UL94V-0
- Positive Lock
- Contact: Brass
- RoHS Compliant per Molex documentation
- Plating: Tin
- PCB Thickness: 3.81mm
- Mates with: 44441 series housing
- Temperature: -40° to +75°C
- Voltage: 1000V
- Current: 18.0A



RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Description	Price Each			
					1	10	100	500
538-43160-0102	43160-0102	C	2	without board lock	1.81	1.55	1.06	.85
538-43160-0103	43160-0103	C	3	without board lock	2.69	2.33	1.59	1.22
538-43160-0104	43160-0104	C	4	without board lock	2.64	2.23	1.54	1.25
538-43160-0105	43160-0105	C	5	without board lock	2.98	2.71	1.90	1.49
538-43160-0106	43160-0106	C	6	without board lock	3.52	2.84	2.01	1.52
538-43160-2102	43160-2102	C	2	with board lock	1.90	1.65	1.15	.93
538-43160-2103	43160-2103	C	3	with board lock	2.29	1.96	1.38	1.07
538-43160-2104	43160-2104	C	4	with board lock	3.13	2.85	1.80	1.44
538-43160-2105	43160-2105	C	5	with board lock	3.18	2.61	1.86	1.57
538-43160-2106	43160-2106	C	6	with board lock	3.56	2.93	2.09	1.72

Right Angle Headers

- Wire-to-wire or wire-to-board connector system
- Accommodates .062 board thickness
- Surface Mount Compatible
- Housing: Black glass-filled nylon, UL94V-0
- Contact: Brass
- Plating: Tin
- PCB Thickness: 3.81mm
- Mates with: 44441 series housing
- RoHS Compliant per Molex documentation



RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Description	Price Each			
					1	10	100	500
538-43160-1102	43160-1102	D	2	without board lock	2.00	1.82	1.23	.98
538-43160-1103	43160-1103	D	3	without board lock	2.50	2.19	1.47	1.20
538-43160-1104	43160-1104	D	4	without board lock	3.15	2.77	1.84	1.44
538-43160-1105	43160-1105	D	5	without board lock	2.85	2.61	1.79	1.44
538-43160-1106	43160-1106	D	6	without board lock	3.37	3.03	2.40	1.72
538-43160-3102	43160-3102	D	2	with board lock	2.27	1.98	1.33	1.06
538-43160-3103	43160-3103	D	3	with board lock	2.69	2.38	1.58	1.27
538-43160-3104	43160-3104	D	4	with board lock	3.51	2.95	1.96	1.56
538-43160-3105	43160-3105	D	5	with board lock	3.25	2.92	2.25	1.85
538-43160-3106	43160-3106	D	6	with board lock	4.03	3.55	2.36	1.89

Terminals

- Virtually eliminates terminal backout
- No secondary plastic parts needed
- Four points of electrical contact
- Accommodates electrical single or double wire crimps
- Contact: Brass
- 43375: female
- Voltage: 1000V
- Plating: Tin
- Female terminal mates with: 43160 series headers, 43680 series plug housing and 43178 series terminals
- Male terminal mates with: 43375 series terminal and 44441 series receptacle housing
- RoHS Compliant per Molex documentation



RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Max. Ins. Dia. Inch (mm)	Price Each			
					1	10	100	500
538-43178-1002	43178-1002	E	18	(.130) 3.30	.18	.16	.12	.09
*538-43178-2002	43178-2002	E	14-18	(.180) 4.57	.18	.16	.12	.09
538-43375-0001	43375-0001	F	14-18	(.130) 3.30	.15	.13	.09	.07
*538-43375-1001	43375-1001	F	14-18	(.180) 4.57	.15	.13	.09	.07

* Accommodates single 14, 16 or 18 AWG wire crimps, or double 18 AWG wire crimps

Tools

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Wire Size (AWG)	Style	Description	Price Each	
					1	5
538-63811-7200	63811-7200	14-18	--	Crimp Tool	321.98	306.84
538-63813-2700	63813-2700	--	Female	Extraction Tool	48.00	42.00
538-63813-0800	63813-0800	--	Male	Extraction Tool	83.53	78.08

5.08MM (.200") PITCH DISK DRIVE POWER CONNECTION SYSTEMS

Female Crimp Housing

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Positions	Price Each		
				1	10	100
538-15-24-4048	15-24-4048	A	4	.64	.59	.396

Female Crimp Terminal

- Plating: Tin
- Contact: Phosphor Bronze
- Detents provide firm and positive fit.
- For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Wire Size (AWG)	Price Each		
			1	10	100
538-02-08-1202	02-08-1202	14, 16, 18, 20	.27	.23	.15

Tools

MOUSER STOCK NO.	Molex Part No.	Description	Price Each	
			1	5
538-63811-7000	63811-7000	Hand Crimper	247.50	224.40
538-11-03-0037	11-03-0037	Extraction Tool	76.04	69.99

High Temperature Vertical Headers

*with plastic peg

- Shrouded
- Antikicking PC tails
- Surface Mount Compatible
- 4 position without pegs
- PCB
- Through Hole
- Housing: High-temperature Thermoplastic
- Contact: Phosphor Bronze
- Plating: Tin over Nickel
- Temperature: -40° to +85°C
- Color: Black
- Current: 10.0A
- Voltage: 250V
- Rating: UL94V-0

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	PC Tail Length	Price Each		
				1	10	100
538-15-24-4557	15-24-4557	B	2.12 (.083)	1.82	1.62	1.32
538-15-24-4745	15-24-4745	B	3.58 (.141)	.84	.77	.73
*538-15-24-4742	15-24-4742	B	2.12 (.083)	1.62	.86	.79

Right Angle Header with Strap, Standard Polarization

- Pre-assembled with metal strap for secure PCB retention
- Mates with IDT Connectors
- Housing: 6/6 Nylon, UL94V-2
- Contact: Phosphor Bronze
- Plating: Tin
- Band: Brass, pre-tinned
- Voltage: 250V
- Current: 5.0A
- Temperature: -40° to +80°C

For quantities of 500 and up, call for quote.

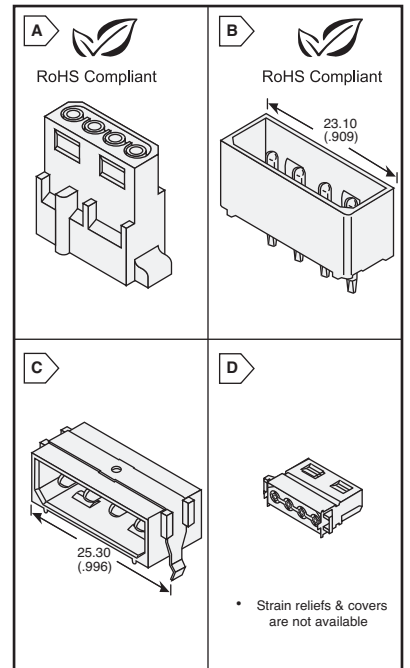
MOUSER STOCK NO.	Molex Part No.	Fig.	PC Tail Length	Price Each		
				1	10	100
538-531-09-0410	53109-0410	C	3.50 (.138)	1.84	1.69	1.52

FEMALE IDT CONNECTOR

- Wire-to-wire and wire-to-board insulation displacement
- End grips for easy unmating
- Housing detent provides positive retention to mating connector
- Mates with right angle header
- Housing: Natural thermoplastic, UL94V-2
- Contact: Phosphor Bronze
- Plating: Tin
- Temperature: -40° to +85°C
- Strain reliefs and covers are not available

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Pos.	Color Code	Price Each		
					1	10	100
22 AWG Solid, Fused and Stranded	15-24-2002	D	4	Black	1.25	1.10	.89



* Strain reliefs & covers are not available