



Eurostyle™ ESE Fixed-Mount and Pluggable PCB Terminal Blocks

ESE PCB terminal blocks from Molex offer an extensive range of both fixed-mount and pluggable terminal blocks. Available in four pitches from 3.50 mm to 5.08 mm (.138" to .197") and rated 300V at 8.0A to 15.0A, ESE is well-suited for a variety of applications. ESE provides maximum design flexibility with more than 50 housing styles of plugs, headers, and fixed terminal blocks that are fully RoHS compliant.

Features ▶

- Rising cage-clamp technology
- Two styles of optional imprinting
- Optional mounting ends available on many parts
- Captive screws
- Compatible with Beau Eurostyle™ and industry-standard terminal blocks

Benefits ▶

- Provides a reliable connection without strand damage or intermittence
- Aids in identifying circuits for easy testing and repair in the field
- Guarantees a secure mate between plug and header, especially valuable in vibration applications
- Ensures screws will not back out of housing
- Compatible with existing board configurations

Applications ▶

- HVAC
- Factory and process automation
- Measurement and control systems
- Elevators
- Power distribution

Product Specifications ▶

	Part Number*	Pitch mm (inches)	Orientation	Current (A)	Voltage	Wire Range (AWG)
Fixed-Mount (single-piece)	39543-30XX	5.00 (.197)	Vertical	15.0	300	12-30
	39543-31XX		Horizontal			
	39543-43XX		45° Angle			
	39544-30XX	5.08 (.200)	Vertical	12-30		
Pluggable (two-piece) PCB header (closed ends)	39501-10XX	3.50 (.138)	Vertical	8.0	300	NA
	39502-10XX		Horizontal			
	38511-10XX	3.81 (.150)	Vertical	18.0		
	39512-10XX		Horizontal			
	39521-10XX	5.00 (.197)	Vertical	18.0		
	39522-10XX		Horizontal			
	39528-30XX		Vertical, dual level			
	39528-10XX		Horizontal, dual level			
	39531-10XX	5.08 (.200)	Vertical	18.0		
	39532-10XX		Horizontal			
	39538-30XX		Vertical, dual level			
	39538-10XX		Horizontal, dual level			
Pluggable (two-piece) Plug	39503-30XX	3.50 (.138)	Vertical, front wire entry	8.0	300	16-30
	39500-00XX		Horizontal			
	39513-30XX	3.81 (.150)	Vertical, front wire entry	18.0		
	39510-00XX		Horizontal			
	39523-30XX	5.00 (.197)	Vertical, front wire entry	18.0		12-30
	39520-00XX		Horizontal			
	39533-30XX	5.08 (.200)	Vertical, front wire entry	18.0		
	39530-00XX		Horizontal			

*Replace "XX" with circuit size.

Note: 3.50 mm and 3.81 mm (.138" and .150") available in sizes 02-20; 5.00 mm and 5.08 mm (.197" and .200") available in sizes 02-24; dual-level PCB headers available in even circuit sizes 04-48. Additional ESE styles are available. Contact Arrow for ESE brochure, samples and order numbers.



MX150L™ Sealed Connector System

The MX150L is designed to meet the need for a rugged, environmentally sealed connector system supporting both low-level signal applications and power applications up to 40 A. This connector features all-in-one plug and receptacle housings with preassembled mat-wire and interfacial connector seals. Its design eliminates the need to purchase, handle, and crimp individual wire seals in order to lower applied costs.



Features ▶

- Pre-assembled connector housings, seals, TPA (Terminal Position Assurance) components, and mat-seal cap
- Integral TPA
- Conforms to UL 1977
- Audible and tactile clicks on insertion, extraction, and mating
- Simple crimp, poke, and plug application

Benefits ▶

- Shipped in one piece to provide applied-labor and cost savings
- Assures that crimped terminal leads are properly locked into connector
- Allows for a UL-recognized sealed connector system for use in data, signal, control, and power applications
- Facilitates reliable mating, terminal loading, and removal
- Eliminates the need to crimp individual wires

Applications ▶

- Construction equipment
- Recreation vehicles
- Marine equipment
- Agricultural equipment

Product Specifications ▶

Tin-Plated Terminals (loose piece)	Part Number		Gender	Wire Range AWG mm ² (inches ²)		Insulation Diameter mm (inches)		Use With
	19420-0010		Female	18-22 (0.36-0.83)		2.36-2.74 (.093-.108)		19418
	19420-0009			14-16 (1.27-2.00)		2.87-3.53 (.113-.139)		
	19434-0003			10-12 (5.01-3.09)		3.94-4.45 (.155-.175)		19432
	19434-0004			8 (7.96)		6.02 (.237)		
	19417-0048		Male	18-22 (0.36-0.83)		2.36-2.74 (.093-.108)		19419, 19429, 19435
	19417-0047			14-16 (1.27-2.00)		2.87-3.53 (.113-.139)		
	19431-0016			10-12 (5.01-3.09)		3.94-4.45 (.155-.175)		
	19431-0017			8 (7.96)		6.02 (.237)		19433
Receptacle Housings	Part Number		Number of Circuits	Rows	Pitch mm (inches)	Wire Range (AWG)	Mat Seal Color	Mates With
	(with CPA*)	(without CPA*)						
	19418-0008	19418-0016	2	1	5.84 (.230)	18-22	Red	19419
	19418-0007	19418-0017				14-16	Blue	
	19432-0013	NA			7.62 (.300)	10-12	Yellow	19433
	19432-0014	NA				8	Red	
	19418-0005	19418-00018	4	2	5.84 (.230)	18-22	Red	19419
	19418-0004	19418-00019				14-16	Blue	
	19432-0001	NA			7.62 (.300)	10-12	Yellow	19433
19432-0002	NA	8				Red		
Plug Housings	Part Number		Number of Circuits	Rows	Pitch mm (inches)	Wire Range (AWG)	Mat Seal Color	Mates With
	19419-0008		2	1	5.84 (.230)	18-22	Red	19418
	19419-0007					14-16	Blue	
	19433-0013				7.62 (.300)	10-12	Yellow	19432
	19433-0014					8	Red	
	19419-0005		4	2	5.84 (.230)	18-22	Red	19418
	19419-0004					14-16	Blue	
19433-0001		7.62 (.300)			10-12	Yellow	19432	
19433-0002					8	Red		

*CPA = Connector Position Assurance, which confirms positive mating of the connector.

Note: Additional circuit sizes as well as sealed panel-mount and PCB configurations available. Contact Arrow for MX150L brochure, samples and additional order numbers.