

Micro Products for Lighting Applications



Lighting the way with simplicity, flexibility and innovation, Molex is a leading global supplier of connectors and cable assemblies designed for use in a broad array of consumer, commercial and automotive lighting and LED applications. A wide selection of Molex interconnects meets the unique requirements of the lighting design market. Our innovative solutions include user friendly, tool-less designs, low profiles to minimize shadowing, and off-the-shelf wire harnesses to save engineering time and resources.

Features and Benefits

Typical Application	Product	Family	Series	Description
 LED Lighting		1.20mm pitch Pico-EZmate™	78171, 78172	<ul style="list-style-type: none"> Low-profile minimizes shadow effect Two-step mating process enables fast and efficient final assembly process
		1.20mm pitch Pico-EZmate™ cable assemblies	68801	<ul style="list-style-type: none"> Ready-made assemblies enable faster time to market Multiple wire gauges provide design flexibility
 General Lighting		1.25mm pitch PicoBlade™	53047, 53398, 53048, 53261, 51021, 51047, 50079, 50058	<ul style="list-style-type: none"> Wire-to-board and wire-to-wire configurations provide design flexibility
		1.25mm pitch PicoBlade™ double ended cable assemblies	15134	<ul style="list-style-type: none"> Ready-made assemblies in 6 different lengths enable faster time to market No need to invest in crimping equipment
 LED Light Bulbs		1.50mm pitch CLIK-Mate™, bottom entry	503395, 502578, 502579	<ul style="list-style-type: none"> Low-profile (on top side of PCB) minimizes shadow effect Installer friendly bottom-entry type
 LED Light Engines/General Lighting		1.50mm pitch Pico-SPOX™	87437, 87438, 87439, 87421	<ul style="list-style-type: none"> 2.5A per pin supports high-power lighting applications
 Strip Lights		1.50mm pitch Pico-Lock	504050, 504051, 504052	<ul style="list-style-type: none"> 2.00mm height minimizes shadowing 2-3.0A per pin provides high-power in a low-profile Positive-lock for secure mating
		TermiMate™	505071, 505072, 505073	<ul style="list-style-type: none"> Simple terminal only system for cost sensitive applications Wire-to-board and board-to-board configurations provide design flexibility

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Typical Application	Product	Family	Series	Description
 Automotive Lighting		2.00mm pitch Flexi-Latch™	505147, 505148	<ul style="list-style-type: none"> Positive-lock feature for secure mating FPC cable enables simplified design and lower weight versus discrete cable
 General Lighting		2.50mm and 3.00mm pitch Ditto™	36877, 36876, 150170, 150200, 150201	<ul style="list-style-type: none"> Positive-lock feature for secure mating Hermaphroditic design reduces component inventory and tooling
		2.50mm and 3.00mm Ditto™ cable assemblies	150207	<ul style="list-style-type: none"> Ready-made assemblies in 6" and 12" lengths enable faster time to market Optional TPA provides additional reliability for applications requiring a fail-safe connection
 Down Light Strip Light		3.00mm pitch Mini Lite-Trap™	104238	<ul style="list-style-type: none"> User friendly, tool-less design permits on site installations Low-profile design minimizes shadowing
 Panel Lighting		4.00mm pitch Lite-Trap™, standard and bottom entry	104188, 104266	<ul style="list-style-type: none"> Push-button latch ensures easy wire extraction Bottom-entry type is end user friendly
 Panel Lighting		3.70mm pitch Flexi-Mate™	503471, 503473, 503469, 503485, 503470, 503474	<ul style="list-style-type: none"> 3.00mm height minimizes shadow effect Side-latch feature offers secure mating
		3.70mm pitch Flexi-Mate™ cable assemblies	68801	<ul style="list-style-type: none"> Ready-made assemblies in wire-to-board, board-to-board, and wire-loop options meet the needs of interconnecting lighting panels