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**Part Number:** [36643-0005](#)  
**Status:** **Active**  
**Overview:** MLX™ Power Connectors  
**Description:** 2.13mm Diameter MLX™ Plug Housing, 6 Circuits, PA Polyamide Nylon 6/6 94V-2, Glow Wire Compatible

**Documents:**

[3D Model](#)  
[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Crimp Housings  
 Series [36643](#)  
 Application Power, Wire-to-Wire  
 Comments This Molex product is manufactured from material that has the following ratings, tested by independent agencies :. a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13.. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12.and hence 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.<P><P>The customers using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product end-use standard(s).<P>If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options.  
[MLX™ Power Connectors](#)  
 Overview [MLX™](#)  
 Product Name [MLX™](#)  
 UPC 800756934198

**Physical**

Circuits (maximum) 6  
 Circuits Detail 6  
 Color - Resin Natural  
 Flammability 94V-2  
 Gender Plug  
 Glow-Wire Compliant Yes  
 Keying to Mating Part None  
 Lock to Mating Part Yes  
 Material - Resin Nylon  
 Net Weight 4.470/g  
 Number of Rows 2  
 Packaging Type Bag  
 Panel Mount No  
 Pitch - Mating Interface 6.35mm  
 Polarized to Mating Part Yes

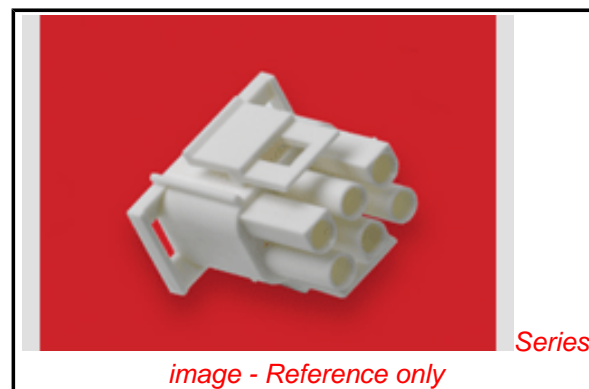


image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status Not Reviewed**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[36643Series](#)

**Mates With**

[42022 Diameter MLX™ Pin and Socket Receptacle](#)

**Use With**

MLX Crimp Terminal [42023](#) , [42024](#)

Stackable	No
Temperature Range - Operating	-55°C to +105°C

**Electrical**

Current - Maximum per Contact	20A
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**Material Info**

**Reference - Drawing Numbers**

Sales Drawing	SD-36643-009
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