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Part Number: [0367570144](#)
Status: **Active**
Overview: [MLX Power Connectors](#)
Description: 6.35mm Pitch MLX Power Connector Header with Socket Terminal, Vertical, 6 Circuits, Nylon 6/6 94V-2, Tin (Sn) Plating, Natural, Lead-Free, Glow-Wire Capable with CTI of 325V

Documents:

| | |
|--|--|
| 3D Model | Packaging Specification PK-43255-001-001 (PDF) |
| 3D Model (PDF) | Packaging Specification PK-43255-003-001 (PDF) |
| Drawing (PDF) | Datasheet (PDF) |
| Product Specification PSX-42002-0001-001 (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

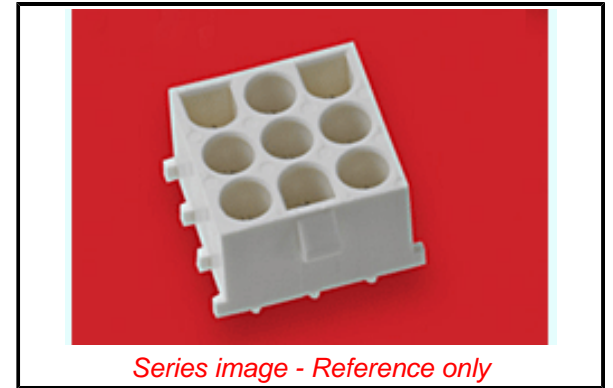
| | |
|----------------|--|
| Product Family | PCB Headers |
| Series | 36757 |
| Application | Power, Wire-to-Board |
| Comments | Glow Wire compatible with CTI of 325V; This Molex product is manufactured from material that has the following ratings, tested by independent agencies: a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13. b) A Glow Wire Flammability Index (GWF1) 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. 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). If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options. |

Component Type

| | |
|--------------|---|
| Overview | PCB Header |
| Product Name | MLX Power Connectors |
| Taxonomy | MLX |
| UPC | PCB Headers and Receptacles 884982218376 |

Physical

| | |
|--------------------------------|---------|
| Breakaway | No |
| Circuits (Loaded) | 6 |
| Circuits (maximum) | 6 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 50 |
| First Mate / Last Break | No |
| Flammability | 94V-2 |
| Glow-Wire Capable | Yes |
| Guide to Mating Part | Yes |
| Keying to Mating Part | Yes |
| Lock to Mating Part | Yes |



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[36757 Series](#)

Mates With

[42021 Plug](#)

| | |
|--------------------------------|----------------|
| Material - Plating Mating | Tin |
| Material - Resin | Nylon |
| Net Weight | 3.850/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| PC Tail Length | 4.27mm |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| Packaging Type | Bag |
| Pitch - Mating Interface | 6.35mm |
| Polarized to PCB | Yes |
| Shrouded | Fully |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -55° to +105°C |
| Termination Interface: Style | Through Hole |

Electrical

| | |
|-------------------------------|--------------|
| Current - Maximum per Contact | 13.5A, 20.0A |
| Voltage - Maximum | 600V |

Solder Process Data

| | |
|-----------------------------|------|
| Lead-freeProcess Capability | WAVE |
|-----------------------------|------|

Material Info**Reference - Drawing Numbers**

| | |
|-------------------------|------------------------------------|
| Packaging Specification | PK-43255-001-001, PK-43255-003-001 |
| Product Specification | PSX-42002-0001-001 |
| Sales Drawing | SD-36757-0002-001 |

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