

Part Number : 10085121

Series Number : 2599

Product Category : PCB Headers and Receptacles

Product Description : KK Header, Vertical, with Polarizing Backwall, 12 Circuits, Tin (Sn) Plating

Status : Active

Engineering Number : 2599M12A

Documents & Resources

Drawings

Drawing 010085121_sd.pdf

Packaging Design Drawing PK-2599-0001-000.pdf

3D Models and Design Files

3D Model 010085121_stp.zip

Symbol Footprint Data SYM-1008-5121-001.zip

Specifications

Product Specification PS-99020-0087-001.pdf

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Not Relevant |
| China RoHS |  |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2023)8585-DC (23 Jan 2024) |
| EU RoHS | Compliant per EU 2015/863 |

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration

- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

| | |
|----------------|--|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 2599 |
| Description | KK Header, Vertical, with Polarizing Backwall, 12 Circuits, Tin (Sn) Plating |
| Application | Power, Wire-to-Board |
| Component Type | PCB Header |
| Product Family | KK Interconnect Systems |
| Product Name | KK 508 |
| UPC | 800753744653 |

Agency

| | |
|----|--------|
| UL | E29179 |
|----|--------|

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 7.0A |
| Voltage - Maximum | 250V |

Physical

| | |
|--------------------------------|---------|
| Breakaway | No |
| Circuits (Loaded) | 12 |
| Circuits (maximum) | 12 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 25 |
| First Mate / Last Break | No |
| Flammability | 94V-2 |
| Glow-Wire Capable | No |
| Guide to Mating Part | No |

| | |
|--------------------------------|---------------------------|
| Keying to Mating Part | None |
| Lock to Mating Part | None |
| Material - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Net Weight | 3.260/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| Packaging Type | Bag |
| PC Tail Length | 4.45mm |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.60mm |
| Pitch - Mating Interface | 5.08mm |
| Pitch - Termination Interface | 5.08mm |
| Plating min - Mating | 5.080µm |
| Plating min - Termination | 5.080µm |
| Polarized to PCB | No |
| Shrouded | Partial |
| Stackable | Yes |
| Temperature Range - Operating | See Product Specification |
| Termination Interface Style | Through Hole |

Solder Process Data

| | |
|------------------------------|------|
| Max-Duration | 5 |
| Lead-Free Process Capability | WAVE |
| Max-Cycle | 1 |
| Max-Temp | 235 |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|---|-------------|
| KK 5.08mm Pitch Single Row Crimp Housings | <u>3001</u> |

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