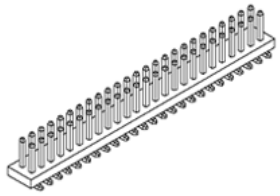
molex
one company > a world of innovation

## Part Number: 87933-5031

**1.27mm Pitch Wire-to-Board Header, Dual Row, SMT, Vertical, 50 Circuits, 0.38µm Gold (Au) Plating, Mating Pin Length 3.05mm, with Cap and Peg, Tape on Reel Packaging, Lead-Free**



*Series image - Reference only*

**Status:** **OBSOLETE**
**Replacement:** NONE

**Series:** 87933
**Category:** PCB Headers

**Mates With Part(s):**
78120 Wire-to-Board Receptacles

### Product Environmental Compliance

EU RoHS: ELV and RoHS Compliant
China RoHS:
REACH SVHC:
Low-Halogen Status: Not Reviewed

## Part Detail

**General**

| | |
|---|---|
| **Status** | **Obsolete** |
| Category | PCB Headers |
| Series | 87933 |
| Application | Signal, Wire-to-Board |
| Comments | With Cap |
| Product Name | N/A |

**Physical**

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 50 |
| Circuits (maximum) | 50 |
| Color - Resin | Black |
| Durability (mating cycles max) | 100 |
| First Mate / Last Break | No |
| Glow-Wire Compliant | No |
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Lock to Mating Part | No |
| Mated Height | 3.05mm |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Number of Rows | 2 |
| Orientation | Vertical |
| PCB Locator | Yes |
| PCB Retention | None |
| Packaging Type | Embossed Tape on Reel |
| Pitch - Mating Interface | 1.27mm |
| Pitch - Termination Interface | 1.27mm |
| Plating min - Mating | 0.381µm |
| Plating min - Termination | 2.032µm |
| Polarized to Mating Part | No |
| Polarized to PCB | No |
| Robotic Placement | Pick and Place Cap |
| Shrouded | No |
| Stackable | No |
| Temperature Range - Operating | -55°C to +105°C |
| Termination Interface: Style | Surface Mount |

**Electrical**

| | |
|---|---|
| **(Please review the Product Specification for specific details.)** | |
| Current - Maximum per Contact | 1.75A |
| Voltage - Maximum | 125V |

**Solder Process Data**

| | |
|---|---|
| Duration at Max. Process Temperature (seconds) | 14 |
| Lead-free Process Capability | Reflow Capable (SMT only) |
| Max. Cycles at Max. Process Temperature | 3 |
| Process Temperature max. C | 260 |

**Material Info**

| | |
|---|---|
| UPC | 883906189457 |

## Application Tooling

Tooling specifications and manuals are found by selecting the products below.

Crimp Height Specifications are then contained in the Application Tooling Specification document.

**Previously Available Application Tooling**

Check our list of old tooling that used to be available for this part