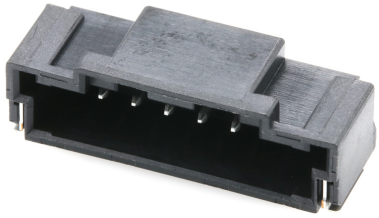
Part Number : 5023520801
Product Description : DuraClik Wire-to-Board Header, Single Row, Right-Angle, 8 Circuits, Tin (Sn) Plating, Black
Series Number : 502352
Status : Active
Product Category : PCB Headers and Receptacles



## Documents & Resources

### Drawings
5023520801_sd.pdf

### 3D Models and Design Files
5023520801_stp.zip

### Specifications
PK-502352-002-JP-001.pdf
PS-502351-001-001.pdf (Tin Plating)

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 33 |
| China RoHS | |
| EU ELV | Compliant per 2000/53/EC |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2024)6225-DC (07 Nov 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 | 502352 |
| Description | DuraClik Wire-to-Board Header, Single Row, Right-Angle, 8 Circuits, Tin (Sn) Plating, Black |
| Application | Automotive, Signal, Wire-to-Board |
| Comments | The Operating Temperature Range when used with DuraClik series 502351 is -40°C to +105°C. It is -40°C to 125°C when used with DuraClik ISL series 560123 or TPA series 505151. |
| Component Type | PCB Header |
| Product Name | DuraClik |
| UPC | 887191427379 |

### Agency

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

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 3.0A |
| Voltage - Maximum | 125V |

### Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 8 |
| Circuits (maximum) | 8 |
| Color - Resin | Black |
| Durability (mating cycles max) | 30 |

| | |
|---|---|
| First Mate / Last Break | No |
| Flammability | SC-0 |
| Glow-Wire Capable | No |
| Keying to Mating Part | Yes |
| Lock to Mating Part | Yes |
| Mated Height | 6.40mm |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Tin |
| Material - Resin | Polyamide |
| Net Weight | 1.000/g |
| Number of Rows | 1 |
| Orientation | Right Angle |
| Packaging Type | Embossed Tape on Reel |
| PCB Locator | No |
| PCB Retention | Yes |
| Pitch - Mating Interface | 2.00mm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Stackable | No |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Surface Mount |

### Solder Process Data

| | |
|---|---|
| Max-Duration | 40 |
| Lead-Free Process Capability | REFLOW |
| Max-Cycle | 1 |
| Max-Temp | 255 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| DuraClik Single Row Receptacle Housings | 502351 |
| DuraClik TPA Single Row Receptacle Housings | 505151 |

| | |
|---|---|
| DuraClik ISL Single Row Receptacle Housings | 560123 |

This document was generated on Mar 12, 2025