



**Part Number :** [5023520501](#)  
**Product Description :** DuraClik Wire-to-Board  
Header, Single Row, Right-Angle, 5 Circuits, Tin (Sn)  
Plating, Black  
**Series Number :** 502352  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

[5023520501\\_sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

### Specifications

[PK-502352-002-JP-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                           |
|--------------------|-----------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33                                                                           |
| China RoHS         |  per SJ/T 11365-2006 |
| 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)7663-DC (21 Jan 2025)                                                            |
| EU RoHS            | Compliant per EU 2015/863                                                                                 |

### [Compliance Statements](#)

- EU RoHS

- REACH SVHC
- Low-Halogen

#### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

## Part Details

### General

|                |                                                                                                                                                                                |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                                         |
| Category       | PCB Headers and Receptacles                                                                                                                                                    |
| Series         | 502352                                                                                                                                                                         |
| Description    | DuraClik Wire-to-Board Header, Single Row, Right-Angle, 5 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            | 887191427348                                                                                                                                                                   |

### Agency

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

### Electrical

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

## Physical

|                                |                       |
|--------------------------------|-----------------------|
| Breakaway                      | No                    |
| Circuits (Loaded)              | 5                     |
| Circuits (maximum)             | 5                     |
| Color - Resin                  | Black                 |
| Durability (mating cycles max) | 30                    |
| First Mate / Last Break        | No                    |
| 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                     | 0.600/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

|                              |     |
|------------------------------|-----|
| Lead-Free Process Capability | N/A |
|------------------------------|-----|

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## Mates With / Use With

### Mates with Part(s)

| Description                    | Part Number |
|--------------------------------|-------------|
| DuraClik Single Row Receptacle |             |

|                                                |               |
|------------------------------------------------|---------------|
| Housings                                       | <u>502351</u> |
| DuraClik TPA Single Row Receptacle<br>Housings | <u>505151</u> |
| DuraClik ISL Single Row Receptacle<br>Housings | <u>560123</u> |