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Part Number:

5023520700

Status:

Active

Overview:

DuraClik Connector System

Description:

DuraClik Wire-to-Board Header, Single Row, Right Angle, 7 Circuits, Tin (Sn) Plating, Natural

|                                                               |                                                                    |
|---------------------------------------------------------------|--------------------------------------------------------------------|
| Documents:                                                    |                                                                    |
| <a href="#">3D Model</a>                                      | <a href="#">Packaging Specification PK-502352-002-JP-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Packaging Specification SPK-502352-001-001 (PDF)</a>   |
| <a href="#">Product Specification PS-502351-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>               |

|                                                |                                                                                                                                                                                |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General</b>                                 |                                                                                                                                                                                |
| Product Family                                 | PCB Headers                                                                                                                                                                    |
| Series                                         | 502352                                                                                                                                                                         |
| Application                                    | 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. |
| Overview                                       | <a href="#">DuraClik Connector System</a>                                                                                                                                      |
| Product Name                                   | DuraClik                                                                                                                                                                       |
| UPC                                            | 884982861862                                                                                                                                                                   |
| <b>Physical</b>                                |                                                                                                                                                                                |
| Breakaway                                      | No                                                                                                                                                                             |
| Circuits (Loaded)                              | 7                                                                                                                                                                              |
| Circuits (maximum)                             | 7                                                                                                                                                                              |
| Color - Resin                                  | Natural                                                                                                                                                                        |
| Durability (mating cycles max)                 | 30                                                                                                                                                                             |
| First Mate / Last Break                        | No                                                                                                                                                                             |
| Glow-Wire Compliant                            | No                                                                                                                                                                             |
| Keying to Mating Part                          | Yes                                                                                                                                                                            |
| Lock to Mating Part                            | Yes                                                                                                                                                                            |
| Mated Height                                   | 6.40mm                                                                                                                                                                         |
| Material - Metal                               | Copper Alloy                                                                                                                                                                   |
| Material - Plating Mating                      | Tin over Nickel                                                                                                                                                                |
| Material - Resin                               | Polyamide                                                                                                                                                                      |
| Net Weight                                     | 0.841/g                                                                                                                                                                        |
| Number of Rows                                 | 1                                                                                                                                                                              |
| Orientation                                    | Right Angle                                                                                                                                                                    |
| PCB Locator                                    | No                                                                                                                                                                             |
| PCB Retention                                  | Yes                                                                                                                                                                            |
| Packaging Type                                 | Embossed Tape on Reel                                                                                                                                                          |
| Pitch - Mating Interface                       | 2.00mm                                                                                                                                                                         |
| Polarized to Mating Part                       | Yes                                                                                                                                                                            |
| Polarized to PCB                               | Yes                                                                                                                                                                            |
| Stackable                                      | No                                                                                                                                                                             |
| Temperature Range - Operating                  | -40°C to +105°C                                                                                                                                                                |
| Termination Interface: Style                   | Surface Mount                                                                                                                                                                  |
| <b>Electrical</b>                              |                                                                                                                                                                                |
| Current - Maximum per Contact                  | 3.0A                                                                                                                                                                           |
| Voltage - Maximum                              | 125V                                                                                                                                                                           |
| <b>Solder Process Data</b>                     |                                                                                                                                                                                |
| Duration at Max. Process Temperature (seconds) | 040                                                                                                                                                                            |



Series image - Reference only

**EU ELV**  
**Compliant**

**EU RoHS**  
**Compliant**  
**REACH SVHC**  
Not Contained Per -  
ED/30/2017 (7 July  
2017)  
**Halogen-Free**  
**Status**  
**Not Low-Halogen**

**China RoHS**

**Need more information on product environmental compliance?**  
  
Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

Green Image

ELV

Compliant

RoHS Phthalates

Not Contained

**Search Parts in this Series**  
502352 Series

**Mates With**  
DuraClik Crimp Housings [502351](#) , [560123](#) , [505151](#)

|                                         |                    |                                          |
|-----------------------------------------|--------------------|------------------------------------------|
| Lead-free                               | Process Capability | REFLOW                                   |
| Max. Cycles at Max. Process Temperature |                    | 001                                      |
| Process Temperature max. C              |                    | 255                                      |
| <b>Material Info</b>                    |                    |                                          |
| <b>Reference - Drawing Numbers</b>      |                    |                                          |
| Packaging Specification                 |                    | PK-502352-002-JP-001, SPK-502352-001-001 |
| Product Specification                   |                    | PS-502351-001-001                        |
| Sales Drawing                           |                    | SD-502352-001-001, SD-502352-002         |

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