

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [1510132318](#)
Status: **Active**
Overview: [Milli-Grid Connector System](#)
Description: 2.00mm Pitch, Milli-Grid BMI PCB Header, Dual Row, Vertical, Through Hole, 18 Circuits, 0.76µm Gold (Au) Plating, 3.50mm Tail Length, Tube, Lead-Free

Documents:

| | |
|--|--|
| 3D Model (PDF) | Application Specification 503940002-AS-000 (PDF) |
| Drawing (PDF) | Packaging Specification PK-151013-0001-001 (PDF) |
| 3D Model | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-151013-0001-001 (PDF) | |



Agency Certification

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 151013 |
| Application | Panel-to-Board, Signal, Wire-to-Board |
| Overview | Milli-Grid Connector System |
| Product Name | Milli-Grid BMI |
| UPC | 889056569026 |

Physical

| | |
|--------------------------------|------------------------|
| Breakaway | No |
| Circuits (Loaded) | 18 |
| Circuits (maximum) | 18 |
| Color - Resin | Black |
| Durability (mating cycles max) | 25 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Guide to Mating Part | Yes |
| Keying to Mating Part | None |
| Lock to Mating Part | None |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Matte Tin |
| Material - Resin | Liquid Crystal Polymer |
| Net Weight | 1.771/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| PC Tail Length | 3.50mm |
| PCB Locator | Yes |
| PCB Retention | None |
| Packaging Type | Tube |
| Pitch - Mating Interface | 2.00mm |
| Pitch - Termination Interface | 2.00mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 1.270µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Shrouded | Yes |
| Stackable | No |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface: Style | Through Hole |

EU ELV

Compliant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 2020)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

| | |
|-----------------|---------------|
| China ROHS | Green Image |
| ELV | Compliant |
| RoHS Phthalates | Not Contained |

Search Parts in this Series

[151013 Series](#)

Mates With

Milli-Grid Wire-to-Board Receptacle Housing [51110](#) , Milli-Grid Panel-to-Board Receptacle Housing [151014](#)

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 2.0A |
| Voltage - Maximum | 125V |

Solder Process Data

| | |
|--|----------|
| Duration at Max. Process Temperature (seconds) | 005 |
| Lead-free Process Capability | SMC&WAVE |
| Max. Cycles at Max. Process Temperature | 001 |
| Process Temperature max. C | 260 |

Material Info**Reference - Drawing Numbers**

| | |
|---------------------------|--------------------|
| Application Specification | 503940002-AS-000 |
| Packaging Specification | PK-151013-0001-001 |
| Product Specification | PS-151013-0001-001 |
| Sales Drawing | SD-151013-0001-000 |

This document was generated on 10/27/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION