

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [87754-0552](#)  
**Status:** **Active**  
**Overview:** Milli-Grid™ Connector System  
**Description:** 2.00mm Pitch Header, Breakaway, Right Angle, Through Hole, Vertical, 5 Circuits, 0.38µm Gold (Au) Plating, Tray Packaging, Lead-Free

**Documents:**

[3D Model](#)  
[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

**General**

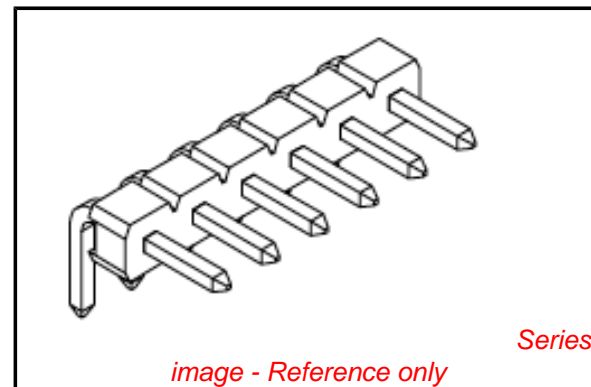
|                |                                     |
|----------------|-------------------------------------|
| Product Family | PCB Headers                         |
| Series         | <a href="#">87754</a>               |
| Application    | Board-to-Board, Signal              |
| Overview       | <u>Milli-Grid™ Connector System</u> |
| Product Name   | Milli-Grid™                         |
| UPC            | 884982146228                        |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | Yes             |
| Circuits (Loaded)              | 5               |
| Circuits (maximum)             | 5               |
| 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            | None            |
| Mated Height                   | 4.00mm          |
| Material - Metal               | Copper Alloy    |
| Material - Plating Mating      | Gold            |
| Material - Plating Termination | Tin             |
| Material - Resin               | Nylon           |
| Net Weight                     | 0.142/g         |
| Number of Rows                 | 1               |
| Orientation                    | Right Angle     |
| PC Tail Length                 | 2.60mm          |
| PCB Locator                    | No              |
| PCB Retention                  | None            |
| PCB Thickness - Recommended    | 1.60mm          |
| Packaging Type                 | Tray            |
| Pitch - Mating Interface       | 2.00mm          |
| Pitch - Termination Interface  | 2.00mm          |
| Plating min - Mating           | 0.381µm         |
| Plating min - Termination      | 2.032µm         |
| Polarized to Mating Part       | No              |
| Polarized to PCB               | No              |
| Shrouded                       | No              |
| Stackable                      | No              |
| Surface Mount Compatible (SMC) | Yes             |
| Temperature Range - Operating  | -55°C to +105°C |
| Termination Interface: Style   | Through Hole    |

**Electrical**

|                               |    |
|-------------------------------|----|
| Current - Maximum per Contact | 2A |
|-------------------------------|----|



*image - Reference only*

**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC  
Not Reviewed**  
**Low-Halogen Status  
Not Reviewed**

**China RoHS**



**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[87754Series](#)

Voltage - Maximum

125V

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing

SD-87754-100

This document was generated on 06/06/2013

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**