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**Part Number:** [0554470670](#)  
**Status:** **Active**  
**Description:** 1.25mm (.049") Pitch Mi II™ System Wire-to-Board Header, Single Row, Vertical, with Positive Lock, Lead-free, 6 Circuits

**Documents:**  
[3D Model](#) [Product Specification PS-54596-018 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

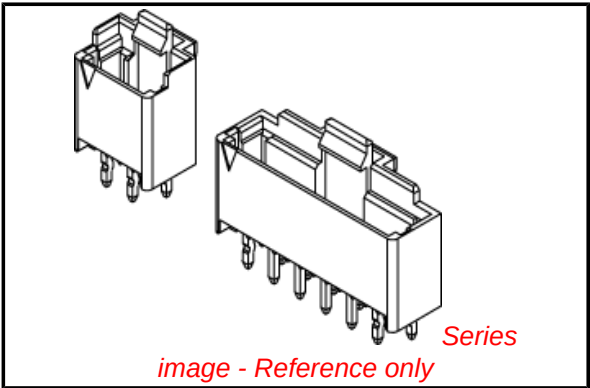
**General**  
Product Family PCB Headers  
Series [55447](#)  
Application Wire-to-Board  
Product Name Mini Mi II™

**Physical**  
Breakaway No  
Circuits (Loaded) 6  
Circuits (maximum) 6  
Color - Resin Natural  
Durability (mating cycles max) 30  
First Mate / Last Break No  
Glow-Wire Compliant No  
Guide to Mating Part No  
Keying to Mating Part None  
Lock to Mating Part Yes  
Material - Plating Mating Tin  
Material - Plating Termination Tin  
Material - Resin Nylon  
Number of Rows 1  
Orientation Vertical  
PC Tail Length (in) 0.118 In  
PC Tail Length (mm) 3.00 mm  
PCB Locator Yes  
PCB Retention Yes  
PCB Thickness Recommended (in) 0.062 In  
PCB Thickness Recommended (mm) 1.60 mm  
Packaging Type Tray  
Pitch - Mating Interface (in) 0.049 In  
Pitch - Mating Interface (mm) 1.25 mm  
Polarized to Mating Part Yes  
Shrouded Fully  
Stackable No  
Surface Mount Compatible (SMC) No  
Temperature Range - Operating -40°C to +105°C  
Termination Interface: Style Through Hole

**Electrical**  
Current - Maximum per Contact 1.5A  
Voltage - Maximum 100V

**Material Info**

**Reference - Drawing Numbers**  
Product Specification PS-54596-018, RPS-54596-024  
Sales Drawing SD-55447-010



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

**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**  
[55447Series](#)

**Mates With**  
[51336](#) PBT Polyester, Glass-filled Housing.  
[54596](#) PA Polyamide Housing

This document was generated on 04/16/2010

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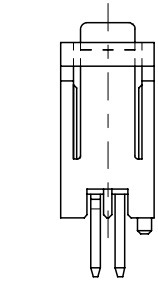
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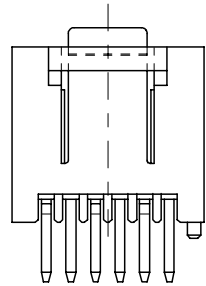
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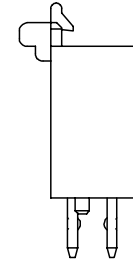
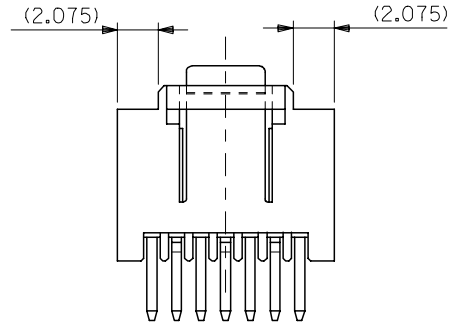


2極  
2 CIRCUIT

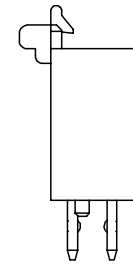
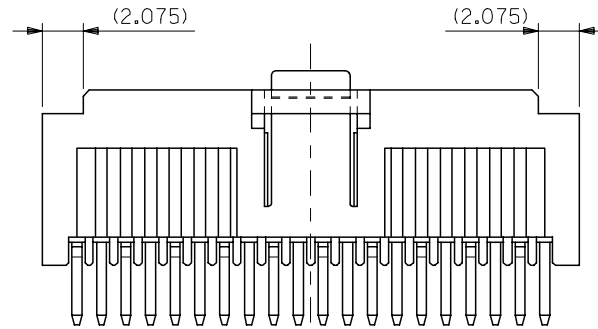


6極  
6 CIRCUIT

2極~6極のハウジング形状  
SHAPE OF HS'G FROM 2 TO 6 CIRCUIT



7極  
7 CIRCUIT



20極  
20 CIRCUIT

7極~20極のハウジング形状  
SHAPE OF HS'G FROM 7 TO 20 CIRCUIT

|                                                                           |                  |            |                                                                                                                                  |              |                       |                   |                                                            |              |                                                                                                                 |  |
|---------------------------------------------------------------------------|------------------|------------|----------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------|-------------------|------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------|--|
| REVISED<br>EC NO: J2006-0438<br>DRWN:MABEI<br>CHKD:KTOYODA<br>APPR:NUKITA | DESCRIPTION<br>A | REV        | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                         |              | DIMENSION STYLE       |                   | SCALE                                                      | DESIGN UNITS |  THIRD ANGLE<br>PROJECTION |  |
|                                                                           |                  |            |                                                                                                                                  |              | MM ONLY               |                   | 4:1                                                        | METRIC       |                                                                                                                 |  |
|                                                                           |                  |            | 10 UNDER                                                                                                                         | ±0.2         | DRAWN BY<br>N.YOSHIDA | DATE<br>'03/02/07 | TITLE<br>MINI M12 1-ROW<br>WAFER ASS'Y (SN)<br>-LEAD FREE- |              |                                                                                                                 |  |
|                                                                           |                  |            | 10 OVER 30 UNDER                                                                                                                 | ±0.25        | CHECKED BY<br>M.YAGI  | DATE<br>'03/02/07 |                                                            |              |                                                                                                                 |  |
|                                                                           |                  |            | 30 OVER                                                                                                                          | ±0.3         | APPROVED BY<br>Y. ITO | DATE<br>'03/02/07 | MOLEX MOLEX INCORPORATED                                   |              |                                                                                                                 |  |
|                                                                           |                  |            | ANGULAR ±3 °                                                                                                                     | MATERIAL NO. |                       | DOCUMENT NO.      |                                                            | SHEET NO.    |                                                                                                                 |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                |                  | SIZE<br>A3 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                       |                   |                                                            |              |                                                                                                                 |  |