

molex 0430450822 Connector Header and PCB Receptacles User Guide

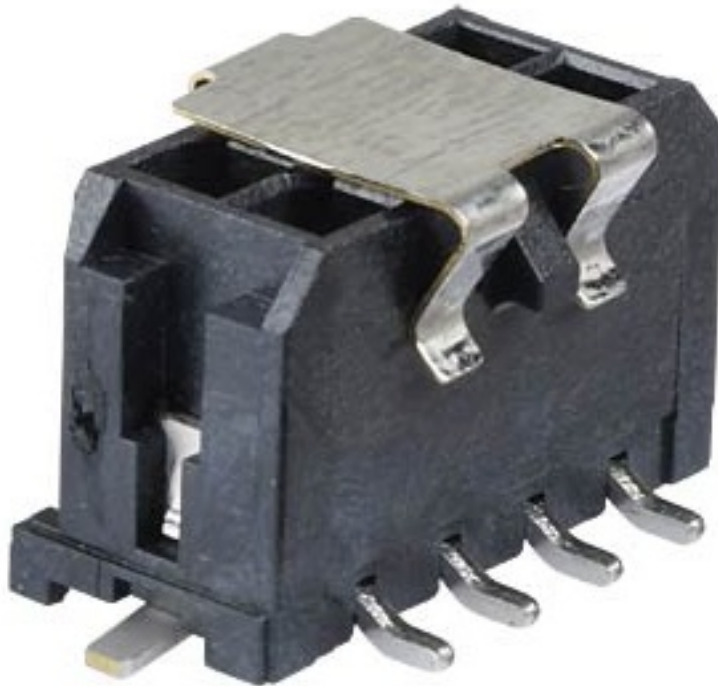
[Home](#) » [molex](#) » molex 0430450822 Connector Header and PCB Receptacles User Guide 



Contents

- [1 molex 0430450822 Connector Header and PCB Receptacles](#)
- [2 Documents](#)
- [3 Documents / Resources](#)
 - [3.1 References](#)
- [4 Related Posts](#)

molex 0430450822 Connector Header and PCB Receptacles



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

- **Part Number:** 0430450822
- **Status:** Active
- **Overview:** Micro-Fit Connector System
- **Description:** Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Dual Row, 8 Circuits, with PCB Pressfit Metal Retention Clip, Gold, Glow-Wire Capable, Black

Documents

- **3D Model (PDF)** Test Summary 430450006-TS-000 (PDF)
- **Drawing (PDF)** Test Summary TS-43045-001-001 (PDF)
- **3D Model** Test Summary TS-43045-002-001 (PDF)
- **Product Specification 430450001-PS-KO-000 (PDF)** Test Summary TS-46235-001-001 (PDF)
- **Product Specification 430450001-PS-SP-000 (PDF)** Datasheet (PDF)
- **Product Specification PS-43045-001 (PDF)** Symbol Footprint Data SYM-43045-0821-001 (PDF)
- **Application Specification AS-43045-001-001 (PDF)** Symbol Footprint Data SYM-43045-08213-001 (PDF)
- **Packaging Specification PK-70873-0313-001 (PDF)** RoHS Certificate of Compliance (PDF)

Agency Certification

- **CSA** LR19980
- **UL** E29179

General

- **Product Family** PCB Headers
- **Series** 43045

- **Application** Power, Wire-to-Board Comments "High Temperature|Square Pin|Solder Type" This Molex product is manufactured from material that has the following ratings, tested by independent agencies: a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13.. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12. and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition – household and similar electrical appliances – safety, section 30 Resistance to heat and fire. The customers using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product end use standard(s). If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options.
- **Overview** Micro-Fit Connector System
- **Product Name** Micro-Fit 3.0
- **UPC** 800753822412

Physical

- **Breakaway** No
- **Circuits (Loaded)** 8
- **Circuits (maximum)** 8
- **Color – Resin** Black
- **Durability (mating cycles max)** 30
- **Flammability** 94V-0
- **Glow-Wire Capable** Yes
- **Mated Height** 10.29mm

EU ELV

- Not Relevant

EU RoHS China RoHS

- Compliant

REACH SVHC

- Not Contained Per –
- D(2021)4569-DC (8 July 2021)

Halogen-Free Status

- Low-Halogen

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

- **China ROHS Green Image**
- **ELV Not Relevant**
- **RoHS Phthalates Not Contained**

Search Parts in this Series

43045 Series

Mates With

Micro-Fit 3.0 Receptacle Housing 43025
Micro-Fit 3.0 TPA Receptacle Housing 172952

- **Material – Metal** Brass
- **Material – Plating Mating** Gold
- **Material – Plating Termination** Tin
- **Material – Resin** High-Temperature Thermoplastic
- **Net Weight** 1.471/g
- **Number of Rows** 2
- **Orientation** Right Angle
- **PCB Locator** Yes
- **PCB Retention** Yes
- **PCB Thickness – Recommended** 1.60mm
- **Packaging Type Embossed** Tray
- **Pitch – Mating Interface** 3.00mm
- **Plating min – Mating** 0.381µm
- **Polarized to PCB** Yes
- **Shrouded** Fully
- **Stackable** No
- **Surface Mount Compatible (SMC)** Yes
- **Temperature Range – Operating** -40° to +125°C
- **Termination Interface: Style** Through Hole

Electrical

- **Current – Maximum per Contact** 8.5A
- **Voltage – Maximum** 600V

Solder Process Data

- **Duration at Max. Process Temperature (seconds)** 030
- **Lead-free process Capability** SMC&WAVE
- **Max. Cycles at Max. Process Temperature** 003
- **Process Temperature max.** C 260


Material Info

Reference – Drawing Numbers

- **Application Specification** AS-43045-001-001
- **Packaging Specification** PK-70873-0313-001
- **Product Specification** 430450001-PS-KO-000, 430450001-PS-SP-000, PS-43045-001
- **Sales Drawing** SD-43045-004-000
- **Symbol/Footprint Data** SYM-43045-1609-001
- **Test Summary** 430450006-TS-000, TS-43045-001-001,
- TS-43045-002-001, TS-46235-001-001

This document was generated on 10/05/2021 PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Documents / Resources

| | |
|---|---|
|  | <p>molex 0430450822 Connector Header and PCB Receptacles [pdf] User Guide 0430450822, Connector Header and PCB Receptacles, Connector Header, Header and PCB Receptacles, Header, 0430450822, PCB Receptacles</p> |
|---|---|

References

- [▶ Creating Connections for Life | Molex](#)

Manuals+