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Part Number: [45280-2402](#)
Status: **Active**
Overview: Micro-Fit 3.0™ Connectors
Description: 3.00mm Pitch Micro-Fit 3.0 BMI CPI™ Compliant Pin Header, Blind Mate Interface, Dual Row, Vertical, 24 Circuits, PA Polyamide Nylon 4/6, UL 94V-0, 0.38µm Gold (Au) Selective Contact Plating, Tin/Lead (Sn/Pb) Tail Plating

Documents:

3D Model	Test Summary TS-45280-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-44300-001 (PDF)	Product Literature (PDF)

Agency Certification

CSA	LR19980
TUV	R72081037
UL	E29179

General

Product Family	PCB Headers
Series	45280
Application	Board-to-Board, Power, Wire-to-Board
Application Tooling Part Link	622008400
Application Tooling Part Link	622030450
Overview	Micro-Fit 3.0™ Connectors
Product Literature Order No	987650-5984
Product Name	Micro-Fit 3.0 BMI CPI™

Physical

Breakaway	No
Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Lock to Mating Part	None
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	90/10 Tin Lead, 90/10 Tin-Lead
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PC Tail Length	4.80mm
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tray
Pitch - Mating Interface	3.00mm
Plating min - Mating	0.381µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C

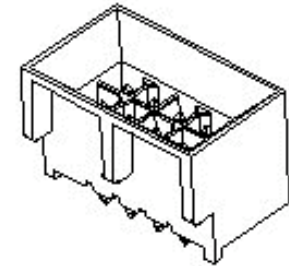


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Series

EU RoHS

RoHS Compliant by Exemption
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Not Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email 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

45280Series

Mates With

44133-2400 Panel Mount Receptacle,
 44769-2402 Vertical Receptacle Header,
 447642402 Right Angle Receptacle Header

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description	Product #
Compliant Pin	0622008400
Insertion Flat Rock Tool	
Removal Tool	0622030450

Termination Interface: Style Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact 5A
Voltage - Maximum 250V

Solder Process Data

Replacement RoHS Compliant Part Number 0452802452

Material Info

Reference - Drawing Numbers

Product Specification PS-44300-001, RPS-44300-001
Sales Drawing SD-45280-001
Test Summary TS-45280-001

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