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Part Number: **0533750410**
Status: **Active**
Overview: Mini-Lock™ Wire-to-Board Connector System
Description: 2.50mm Pitch Mini-Lock™ Wire-to-Board Header, Vertical, Friction and Positive Lock, 4 Circuits

Documents:

[3D Model](#) [Product Specification PS-51163-002 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-51103-005 \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

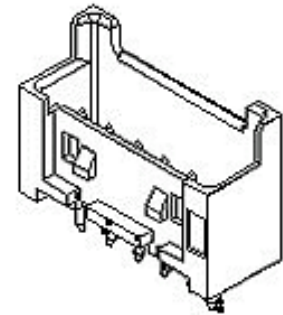
Product Family PCB Headers
 Series [53375](#)
 Application Signal, Wire-to-Board
 MolexKits Yes
 Overview [Mini-Lock™ Wire-to-Board Connector System](#)
 Product Name Mini-Lock™
 UPC 800753632974

Physical

Breakaway No
 Circuits (Loaded) 4
 Circuits (maximum) 4
 Color - Resin Natural
 Durability (mating cycles max) 30
 First Mate / Last Break No
 Flammability 94V-0
 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 Polyester
 Net Weight 563.000/mg
 Number of Rows 1
 Orientation Vertical
 PC Tail Length 3.40mm
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 1.60mm
 Packaging Type Bag
 Pitch - Mating Interface 2.50mm
 Polarized to PCB 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 3.0A



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/21/2016 (20 June
 2016)

Halogen-Free

Status

Not Low-Halogen

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

Email productcompliance@molex.com
 Please visit the [Contact Us](#) section for any
 non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[53375 Series](#)

Mates With

Mini-Lock™ Wire-to-Board and Wire-to-Wire
 Crimp Terminal 51103 , 51102 , 51163

Voltage - Maximum

250V

Material Info

Reference - Drawing Numbers

Product Specification

PS-51103-005, PS-51163-002, RPS-51103-009,
RPS-51103-010, RPS-51103-011, RPS-51103-032,
RPS-51103-041, RPS-51103-046, RPS-51103-047,
RPS-51103-050, RPS-51103-056, RPS-51163-002,
RPS-51163-004
SD-53375-001

Sales Drawing

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