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**Part Number:** **0533750690**

**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, Radial Tape Packaging, 6 Circuits

**Documents:**

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-51103-005 \(PDF\)](#)

[Product Specification PS-51163-002 \(PDF\)](#)

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

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	53375
Application	Signal, Wire-to-Board
Overview	<a href="#">Mini-Lock™ Wire-to-Board Connector System</a>
Product Name	Mini-Lock™
UPC	800753563667

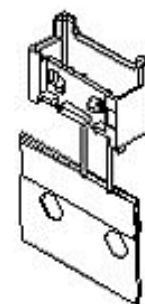
**Physical**

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
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
Net Weight	737.000/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	Radial Tape
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
Voltage - Maximum	250V

**Material Info**



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/39/2015 (15 June  
2015)

**Halogen-Free**

**Status**

**Not Low-Halogen**

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

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

China ROHS

ELV

Green Image

Not Relevant

**Search Parts in this Series**

[53375 Series](#)

**Mates With**

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

**Reference - Drawing Numbers**

Product Specification

PS-51103-005, PS-51163-002, RPS-51103-010,  
RPS-51103-011, RPS-51103-012, RPS-51103-022,  
RPS-51103-032, RPS-51103-041, RPS-51103-047,  
RPS-51103-050, RPS-51103-056, RPS-51163-002  
SD-53375-\*\*90, SD-53375-004

Sales Drawing

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