



Part Number : [705430046](#)

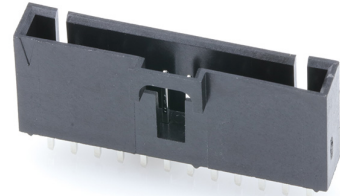
Product Description : 2.54mm Pitch SL Header, Single Row, Vertical, 3.05mm Pocket, Shrouded, 12 Circuits, Tin (Sn) Plating

Series Number : 70543

Status : Active

Product Category : PCB Headers and Receptacles

Engineering Number : A-70543-0046



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## Documents & Resources

### Drawings

[Drawing 705430046\\_sd.pdf](#)

[Packaging Design Drawing PK-70873-0014-001.pdf](#)

### 3D Models and Design Files

[3D Model 705430046\\_stp.zip](#)

### Specifications

[Product Specification PS-70400-001.pdf](#)

[Product Specification PS-70541-001.pdf](#)

[Test Summary TS-70541-100-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

### [Multiple Part Product Compliance Statements](#)

- Eu RoHS

- REACH SVHC

- Low-Halogen

#### Multiple Part Industry Compliance Documents

- IPC 1752A Class C

- IPC 1752A Class D

- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

#### EU RoHS Certificate of Compliance

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### Part Details

#### General

Status	Active
Category	PCB Headers and Receptacles
Series	70543
Description	2.54mm Pitch SL Header, Single Row, Vertical, 3.05mm Pocket, Shrouded, 12 Circuits, Tin (Sn) Plating
Application	Signal, Wire-to-Board
Component Type	PCB Header
Product Family	SL Modular Connectors
Product Name	SL
UPC	800753597952

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

Current - Maximum per Contact	3.0A
Voltage - Maximum	250V

#### Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12

Color - Resin	Black
Durability (mating cycles max)	25
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.314/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Tube
PC Tail Length	3.30mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	3.810µm
Plating min - Termination	3.810µm
Polarized to Mating Part	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

#### Solder Process Data

Lead-Free Process Capability	WAVE
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#### Mates With / Use With

## Mates with Part(s)

Description	Part Number
SL Single Row Crimp Housings and CPA Retainers	<u>70066</u>
SL Single Row Female Insulation Displacement Connector Assemblies	<u>70400</u>
SL Single Row Female Receptacles	<u>70430</u>

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