



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



Documents & Resources

Drawings

[705430046_sd.pdf](#)

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

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

Specifications

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

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

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

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	ⓘ per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)

EU RoHS	Compliant per EU 2015/863
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Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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 Name	SL
UPC	800753597952

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	3.0A
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Voltage - Maximum	250V
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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
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
PC Tail Length	3.30mm
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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