



Part Number : 705419077

Product Description : 2.54mm Pitch SL Header, Single Row, Vertical, 3.05mm Pocket, Shrouded, with Straight Plastic Peg, 8 Circuits, 0.76µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating

Series Number : 70541

Status : Active

Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

- Drawing 705419077_sd.pdf
- Packaging Design Drawing PK-70873-0014-001.pdf

3D Models and Design Files


- 3D Model 705419077_stp.zip

Specifications

- Product Specification PS-70400-001.pdf
- Product Specification PS-70541-001.pdf
- Test Summary TS-70541-100-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
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

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	70541
Description	2.54mm Pitch SL Header, Single Row, Vertical, 3.05mm Pocket, Shrouded, with Straight Plastic Peg, 8 Circuits, 0.76µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating
Application	Signal, Wire-to-Board
Component Type	PCB Header
Product Family	SL Modular Connectors
Product Name	SL
UPC	822350203678

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black

Durability (mating cycles max)	50
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	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.496/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Tube
PC Tail Length	3.30mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.54mm
Plating min - Mating	0.762µm
Plating min - Termination	1.905µm
Polarized to Mating Part	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

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>