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Part Number: [0705450042](#)

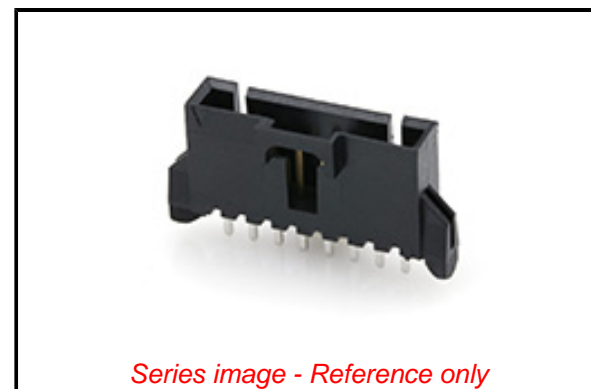
Status: **Active**

Overview: [SL Modular Connectors](#)

Description: 2.54mm Pitch SL Header, Single Row 3.05mm Pocket Vertical, Shrouded, with Press-fit Plastic Peg, 8 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating

Documents:

3D Model	Product Specification PS-70541-001 (PDF)
3D Model (PDF)	Packaging Specification PK-70873-0014-001 (PDF)
Drawing (PDF)	Test Summary TS-70541-100-001 (PDF)
Product Specification PS-70400-001 (PDF)	RoHS Certificate of Compliance (PDF)



Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	70545
Application	Signal, Wire-to-Board
Component Type	PCB Header
Overview	SL Modular Connectors
Product Name	SL
Taxonomy	PCB Headers and Receptacles
UPC	800753624016

Physical

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Capable	No
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	1.540/g
Number of Rows	1
Orientation	Vertical
PC Tail Length	3.30mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Tube
Pitch - Mating Interface	2.54mm
Plating min - Mating	0.381µm
Plating min - Termination	1.905µm
Polarized to Mating Part	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[70545](#) Series

Mates With

SL Crimp Housing [70066](#) Option N, [70066](#) Option G, [70066](#) Option A, [70430](#) Option G, [70400](#) Option G

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds) 003
Lead-free Process Capability WAVE
Max. Cycles at Max. Process Temperature 003
Process Temperature max. C 260

Material Info

Engineering Number A-70545-0042

Reference - Drawing Numbers

Packaging Specification PK-70873-0014-001
Product Specification PS-70400-001, PS-70541-001
Sales Drawing SDA-70545-XXXX-001, SDA-70545-XXXX-002,
SDA-70545-XXXX-003
Test Summary TS-70541-100-001

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