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Part Number: [0705450050](#)
Status: **Active**
Overview: SL Modular Connectors
Description: 2.54mm Pitch SL Header, Single Row 3.05mm Pocket Vertical, Shrouded, with Press-fit Plastic Peg, 16 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating

Documents:

3D Model	Product Specification PS-70541-001 (PDF)
Drawing (PDF)	Packaging Specification PK-70873-0014-001 (PDF)
3D Model (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

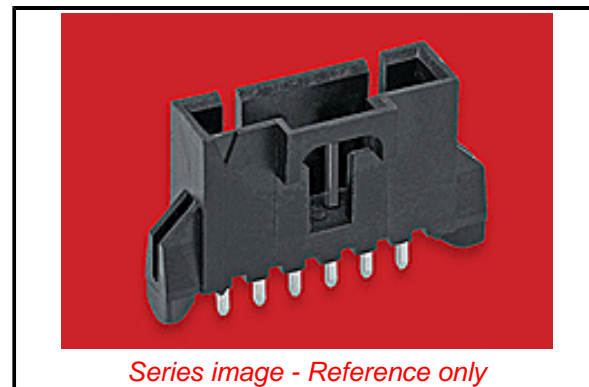
Product Family	PCB Headers
Series	70545
Application	Signal, Wire-to-Board
Overview	SL Modular Connectors
Product Name	SL
UPC	800753597754

Physical

Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
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	3.125/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

Electrical

Current - Maximum per Contact	3.0A
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Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

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

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-70545-0050

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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