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Part Number: [0705430116](#)
Status: **Active**
Overview: [SL™ Modular Connectors](#)
Description: 2.54mm Pitch SL™ Header, Single Row, Vertical, 3.05mm Pocket, Shrouded, 12 Circuits, 0.76µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating

Documents:

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

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	70543
Application	Signal, Wire-to-Board
Overview	SL™ Modular Connectors
Product Name	SL™
UPC	800755034387

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Black
Durability (mating cycles max)	50
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	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	2.302/g
Number of Rows	1
Orientation	Vertical
PC Tail Length	3.30mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Tube
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	0.762µm
Plating min - Termination	1.905µm
Polarized to Mating Part	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per
-ED/01/2017 (12
January 2017)

**Halogen-Free
Status**

Not Low-Halogen

**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[70543](#) Series

Mates With

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

Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	3.0A
Voltage - Maximum	250V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	003
Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-70873-0014
Product Specification	PS-70400-001, PS-70541-001, TS-70541-001-001, TS-70541-100-001
Sales Drawing	SDA-70543-****

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