

## FEATURES AND SPECIFICATIONS



## SL™ (Stackable Linear) Compliant Pin Header 2.54mm (.100") Pitch

Molex's SL™ (Stackable Linear) compliant-pin header reduces wave-soldering issues for wire-to-board and board-to-board terminations in industrial equipment, telecommunications and automotive applications

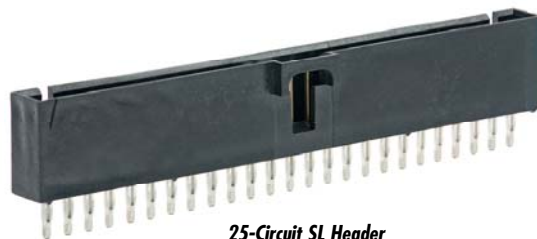
### 74095 Compliant Pin Header

The SL product family is a modular, single-row, wire-to-wire and wire-to-board system. Developed for versatility, SL headers are intended for applications such as lower power and signal devices including computers, medical instruments and automotive controls. This interconnect system mates with other Molex systems such as the C-Grid® and KK®.

The new press-fit headers are an extension of the SL family which offers post reflow/wave soldering on-board termination. This eliminates the need for soldering thus reduces the usual quality issues related to wave soldering. The press-fit termination provides reliable and stable connection onto the PCB and allows easy repair/replacement of the connector to be carried out easily, saving the user valuable time and cost.

The press-fit header mates with the 70066 (SL™), 70400 (C-Grid®) and 70430 (C-Grid SL™) series receptacles.

For more information about the SL connector family, please visit:  
<http://www.molex.com/product/cgrid/>



25-Circuit SL Header

Features	Benefits
• 2 to 25 circuits*	• Allows design flexibility
• Compliant pin press-fit	• Secures well and maintains retention to PCB and allows post reflow on-board connector termination
• Low profile design	• Flexibility for compact applications design
• Stackable	• Provides a versatile "building block" system
• Positive latching	• Ensures secure mating of header and receptacle

\*Currently, only 25-circuit size is available. Other sizes are upon request.

## SPECIFICATIONS

### Reference Information

Packaging: Tube

UL File No.: TBA

CSA File No.: TBA

Mates With Receptacles:

SL™ (Series 70066)

C-Grid® (Series 70400)

C-Grid SL™ (Series 70430)

Designed In: Millimeters

### Mechanical

Contact Retention to Housing: 8.9N  
(2.00lb)

Insertion Force to PCB: 106.7N (24.00lb)

Retention Force to PCB: 35.6N (8.00lb)

Durability (min.): 25 cycles

### Physical

Housing: Black polyester UL 94V-0

Contact: Copper alloy

Plating:

Contact Area — See ordering chart below

Solder Tail Area — Tin/Lead (PbSn)

Underplating — Nickel (Ni) overall

Recommended PCB Board thickness: 2.36mm (.093")

Operating Temperature: 0° C to +75° C

### Electrical

Voltage (max.): 250V

Current (max.): 3.0A

Contact Resistance: 30 milliohms

Dielectric Withstanding Voltage: 1500V AC

Insulation Resistance: 100 Megohms

**MARKETS AND APPLICATIONS**



**SL™ (Stackable Linear)  
Compliant Pin Header  
2.54mm (.100") Pitch**

**Regional Markets, Applications and Typical Customers**

**74095 Compliant Pin Header**

- **Industrial Equipment**
  - Remote monitoring systems
  - Lab equipment
  - Measurement equipment
- **Telecommunication**
  - Hubs
  - Servers
  - routers
- **Automotive**
  - Climate control system
  - Infotainment system



PCBs in industrial/telecommunication equipments



Telecommunication Servers



Infotainment system

**ORDERING INFORMATION**

Description	Order No.	Contact Area Plating	Circuits	Plant No. for Samples
SL™ (Stackable Linear) Compliant Pin Header 2.54mm (.100") Pitch	74095-0025	Tin	25	1399 (APS)
	74095-0055	15u" Gold		5102 (Europe)
	74095-0085	30u" Gold		3109 (Americas)



**Americas Headquarters**  
2222 Wellington Ct.  
Lisle, Illinois 60532 USA  
1-800-78MOLEX  
amerinfo@molex.com

**Asia Pacific North Headquarters**  
Yamato, Kanagawa, Japan  
81-462-65-2324  
feninfo@molex.com

**Asia Pacific South Headquarters**  
Jurong, Singapore  
65-6-268-6868  
fesinfo@molex.com

**European Headquarters**  
Munich, Germany  
49-89-413092-0  
eurinfo@molex.com

**Corporate Headquarters**  
2222 Wellington Ct.  
Lisle, Illinois 60532 USA  
630-969-4550

Visit our Web site at <http://www.molex.com>