



Surface Mount Terminal Blocks



TYPE 971-SLK-SMD

5 mm spacing - 2 to 12 poles



Distributor Stock Check



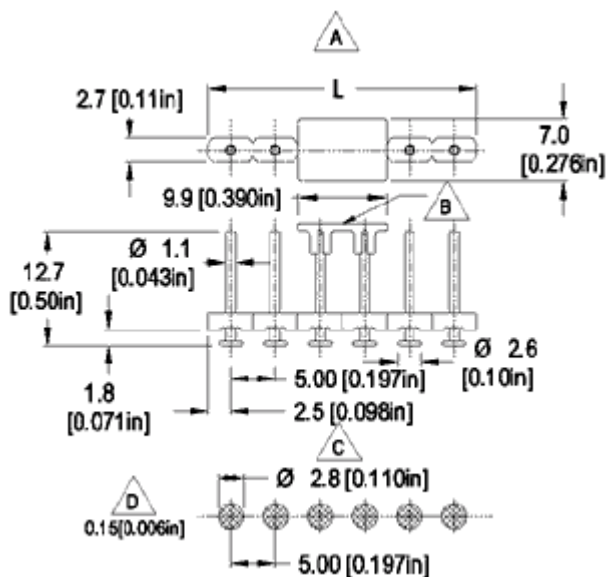
971-SLK-SMD



One possible variation of assembly



RoHS WEEE Pb free compliant



Dimensions: mm (in.)

Length of Connector (L)

L = No. of Poles x Center to Center Spacing

(B) Removable vacuum pick surface

(C) Recommended pad footprint

(D) Stencil thickness

When locating connector, allow 0.5 mm clearance around it for process-induced variations.

Description

US Patent # 6.224.399 B1

Canadian Patent # 2,307,922

Material will handle RoHS complying reflow temperatures without deforming or melting.

- Pinstrip
- Plug-In Direction Perpendicular to PCB and Wire Entrance Parallel to PCB when plugged with 950-NAF-DS, 950-NLFL-DS, 958-NLFL-DS, 950-FL-DS, 950-T-FL-DS, 115-F-111, 115-F-118 and 115-F-211

Approval Information

UL File No.E69841



CSA File No.LR24322



Rating	Current(A)	Voltage(V)	Application group	AWG
UL	10	300	B	
CSA	10	300	B	

- Excellent coplanarity better than 0.15 mm
- Typical resistance to vertical pull off force per pin: 10 kg (depending on soldering process).
- Typical resistance to horizontal peel off force per pin: 3 kg (depending on soldering process).

Technical Data

Center to Center Spacing: 5 mm (0.197 in.)

Application

You can now convert one more component on your board to a genuine surface mount. You can increase packaging accuracy and component density, use both sides of the PCB, reduce and eliminate set-up costs and simplify and streamline your processes. The patented 971-SLK-SMD "nail head" pin design ensures a secure and reliable contact with the printed circuit board. The 0.15 mm co-planarity tolerance of this pin strip allows reliable soldering to PCB approaching zero defects for this characteristic and its effects. Plastic thermo resistant caps ensure automated pick & place-ability for both odd and even pole versions. (Consult our "Tape & Reel Data" table within our Technical Information section for details.

Material

Molding: PA4.6 Polyamid, 30% GF (glass fiber reinforced), self extinguishing UL 94, V-0, color white

Temperature limits:

Short Time: 240°C (464°F)

Continuous: RTI 105°C (221°F)

Low Limit: -40°C (-40°F)

Comparative Tracking Index: CTI > 250

Oxygen Index Rating: 28%

Solder Pin: Ø 1 mm (0.04 in.), Tin plated copper alloy

Average weight: 0.04 gram,

Item

971-SLK-SMD

Options

- ☐ G05: Gold Plating (5 micro inches)
- ☐ G30: Gold Plating (30 micro inches)
- ☐ S30: Silver Plating (30 micro inches)
- ☐ TR: Tape and Reel Assembly
- ☐ PCP: Removable Pick Cap

Note: Plated component: solder pin

Ordering Note: See download PDF for complete tape and reel assembly specifications or to order alternate pin lengths and diameters.

Accessories

971-SLK-SMD /

POLES:
02 to 12