



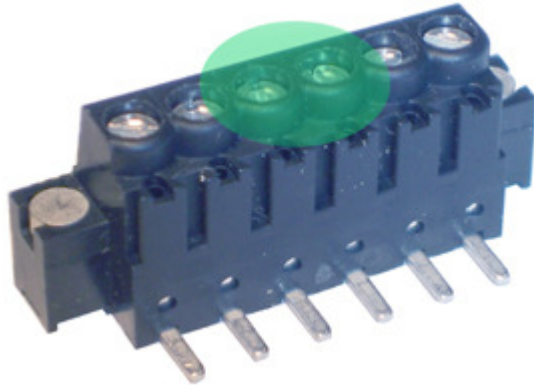
Surface Mount Terminal Blocks

TYPE 210-A-126-SMD

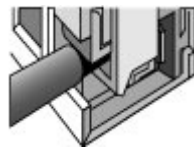
3.5 mm spacing - 2 to 12 poles



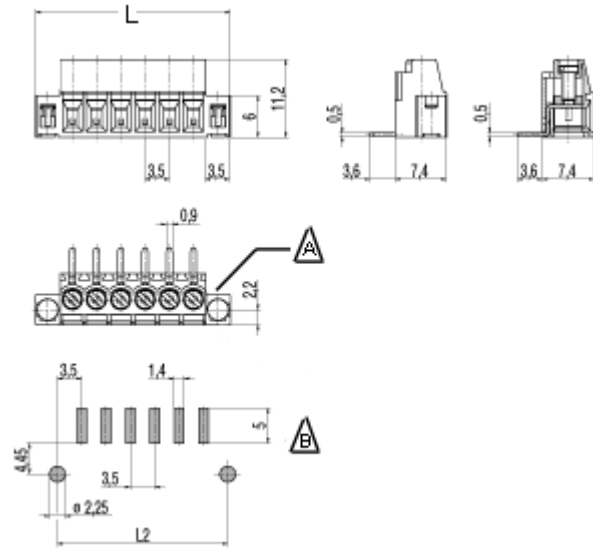
Distributor Stock Check



RoHS WEEE Pb free surface compliant



Elevator Style Clamping



Dimensions: mm (in.)

Length of Connector (L)
 $L = (\text{No. of Poles} \times \text{Center to Center Spacing}) + 7 \text{ mm}$
 $L2 = (\text{No. of Poles} \times \text{Center to Center Spacing}) + 3.5 \text{ mm}$
 (A) Retention System
 (B) Recommended Pad Layout
 Stencil Thickness: 0.20 mm (0.08 in.)

Recommended paste thickness 0.25 mm, for thinner paste discuss with the factory

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

Description

The 210-A-126-SMD represents a space saving and compact terminal block with a high connecting capacity. The distinguishing characteristic of the block is the significant increase of retention force on the PCB surface. Floating Retention Devices (Floating Anchors) on either side of the molding can move vertically before assembling and therefore ensure total coplanarity. By installing these anchors slightly toward the front of the connector the retention area of the entire terminal block is increased which improves the retaining strength of the installation and its resistance against the installer's "wire pull-out" test. Subsequently the effects of the installer's "wire pull-out test" force acting on the solder pins is highly reduced. Equipped with high temperature resistant pick disc and packed in tape and reel this genuine SMT connector is suitable for automatic assembling with Pick Place robots. German Utility Patent 20 2005 014 667.6

- Low profile
- Wire entrance parallel to PC Board
- Elevator-style clamping mechanism with floating anchors.
- Typical peel off forces: 32 kg per 6 pole connector (depending on soldering process).

Technical Data

Center to Center Spacing: 3.5 mm (0.138 in.)
Nominal Cross Section:
 1.5 mm² (2325 mils²)
Wire Stripping Length: 5.5 mm (0.216 in.)

Approval Information

UL File No.E69841
 CSA File No.LR24322

Rating	Current(A)	Voltage(V)	Application group	AWG
UL	10	300	B	30-16
CSA	10	300	B	30-16

Screw Tightening Torque:

UL: 2.0 lbf·in
 CSA: 0.22 Nm

Rated Impulse Withstand Voltage: 2500 V

Material

Molding: HT Polyamide PA6T66, 30% GF (glass fiber reinforced), self extinguishing UL 94, V-0, color black
Temperature limits:
Short Time: 260°C (500°F)

Application

You can now convert one more component on your board to a genuine surface mount. You can increase packaging and component density, use both sides of the PCB, reduce and eliminate set-up costs and simplify and streamline your processes. Flat contact leads provide a large surface area where screw torque is not transmitted to the solder joint, and integrated solderable retention devices ensure in field reliability in thermal cycling and protect against human factors during in field use. These solder joints have the strength and the shape required to make a consistently safe and reliable field-proven connection that meet application and regulatory requirements. The elevator-style-clamping mechanism allows an almost unlimited number of connections and disconnections of the wire.

Continuous: RTI 105°C (221°F)
Low Limit: -40°C (-40°F)
Comparative Tracking Index: CTI > 600
Oxygen Index Rating: 37%

Screw: M2, Tin plated copper alloy
Terminal Body: Nickel plated copper alloy
Pressure Plate: Tin plated copper alloy
Retention device: Tin plated copper alloy
Average weight per pole: Between 0.6 and 0.7 gram per pole,

Item**210-A-126-SMD****Options**

- CN: Consecutive Numbering (hot stamped numbers)
- SM: Special Marking (please provide sketch)
- G05: Gold Plating (5 micro inches)
- G30: Gold Plating (30 micro inches)
- S30: Silver Plating (30 micro inches)
- PCP: Removable Pick Cap

Note: Plated components: pressure plate

Accessories**210-A-126-SMD/**

POLES:
02 to 12
