WECO®

SEARCH SITE

SURFACE MOUNT TERMINAL BLOCKS

140-A-126-SMD

5.00 mm (0.197 in) Spacing - 2-12 poles

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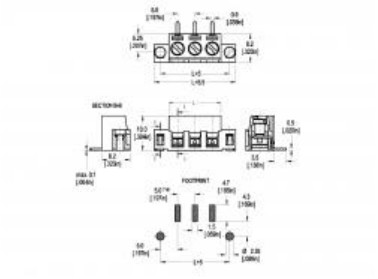
SMARTCONN®



Distributor stock check

view 3d model

TECHNICAL INFORMATION APPROVAL INFORMATION HOW TO ORDER

Description

140-A-126-SMD is an elevator style 5 mm pitch terminal block suitable for SMT (surface mount technology) applications. Flat contact leads provide a large surface area for reliable solder joints. The solder retention devices (SMT anchors) provide high retention force for the terminal block to the PCB. The SMT anchors being mobile within the plastic housing (floating) they ensure a total adaptation to the planar variations of the PCB. This adds to the retention force of the connector to the PCB meanwhile eliminating the CTE (Coefficient of Thermal Expansion) mismatch. The most significant benefit of this design is the protection it provides to the solder joints against stresses encountered in field-installations.

Material will handle reflow temperatures well without deforming or melting. Product packaging is suitable to pick place automated assembly.

German Utility Patent 20 2005 014 667.6

Rectangular flat leads

Wire entrance parallel to PC Board

Horizontal version

Typical peel off forces: 30 kg on any devices (depending on soldering process)

Typical PCB retention force of anchoring elements against peel off force is 66 lbs (30 kg).

Technical Data

Center to Center Spacing: 5.000 mm (0.197 in)

Nominal Cross Section: 1.5 mm^2 (2325 $mils^2$)

Wire Stripping Length: 6.000 mm (0.236 in)

Bill of Materials

Molding : HT Polyamide, Self extinguishing UL 94, V-0

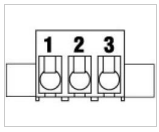
Color : Black

Temperature limits : Short Time : 260°C (500°F)

Visual Description

RoHS WEEE Pb free surface compliant

Consecutive Numbering



Continuous : 105°C (221°F)

Ambient Temp. Range (°C) : -40°C to 40°C

Temperature Limits : -40°C (-40°F) up to 150°C (302°F)

Comparative Tracking Index : CTI ≥ 600 V

Oxygen Index Rating : 35 %

Average weight per pole: 1.2 g

Screw: Slotted head, zinc plated blue passivated, steel substrate M3

Retention device: Tin plated copper alloy

Terminal Body: Nickel plated copper alloy

Current bar: Tin plated copper alloy

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. This terminal block features an integrated pick area that allows this product to be picked-and-placed without any additional changes to your process. Its floating anchors (retention elements) compensate for irregularities (non planarity and bumps) on the printed circuit. Its floating anchors (retention elements) compensate for irregularities (non planarity and bumps) on the printed circuit board. The same feature eliminates CTE mismatch with the PCB and thus eliminates stresses on the anchor solder joints thus assuring a long life.

Approval Information

UL File No. E69841 | CSA File No. LR24322

	TYPE (Spacing)	Current (A)	Voltage (V)	Application Group	AWG	Screw Tightening Torque
	140-A-126-SMD 5.0 mm	10	300	B, D	30-14	4.5 lbfin
	140-A-126-SMD 5.0 mm	15	300	B	30-14	0.51 Nm

*UL current rating 20A for factory wiring only.

International Approval Information

Rated Impulse Withstand Voltage : 2500 V

Please fill in the How to Order box

- Request Sample — Quantity
- Request Quote — Quantity

140-A-126-SMD

Poles: Select one

OPTIONS:

- BZ: Copper Alloy Screw
- CN: Consecutive Numbering (hot stamped numbers)
- G05: Gold Plating (5 micro inches)
- G30: Gold Plating (30 micro inches)
- S30: Silver Plating (30 micro inches)
- SM: Special Marking (please provide sketch)

Accessories

BST -3.50/ -5.00/ -5.08/ -7.50/ -10.00/ -10.16, Self Adhesive Marking Strips

Ordering Notes

See download PDF for complete tape and reel assembly specifications

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