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Part Number: [0389690009](#)
Status: **Active**
Description: 12.70mm (.250") Pitch, Single Row Tri-Barrier Terminal Strip, without Mounting Ends, 9 Circuits

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

General

Product Family Terminal Blocks
Series [38969](#)
Application Wire-to-Board
Component Type One Piece
Product Name TSE
Type Barrier Strip

Physical

Circuits (Loaded) 9
Circuits (maximum) 9
Entry Angle 90° Angle
Lock to Mating Part None
Number of Rows 1
Orientation Vertical
PC Tail Length (in) 0.157 In
PC Tail Length (mm) 4.00 mm
PCB Retention None
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.57 mm
Panel Mount No
Pitch - Mating Interface (in) 0.500 In
Pitch - Mating Interface (mm) 12.70 mm
Pitch - Term. Interface (in) 0.500 In
Pitch - Term. Interface (mm) 12.70 mm
Polarized to Mating Part Yes
Shrouded Tri-Barrier
Stackable No
Surface Mount Compatible (SMC) No
Temperature Range - Operating -40°C to +120°C
Wire Size AWG 10, 12, 14, 16, 18, 20, 8

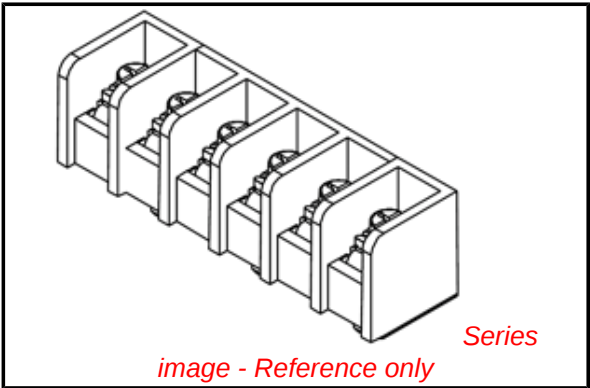
Electrical

Current - Maximum per Contact 50A
Voltage - Maximum 600V

Material Info

Reference - Drawing Numbers

Sales Drawing SD-38969-001



EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**Halogen-Free
Status**

China RoHS



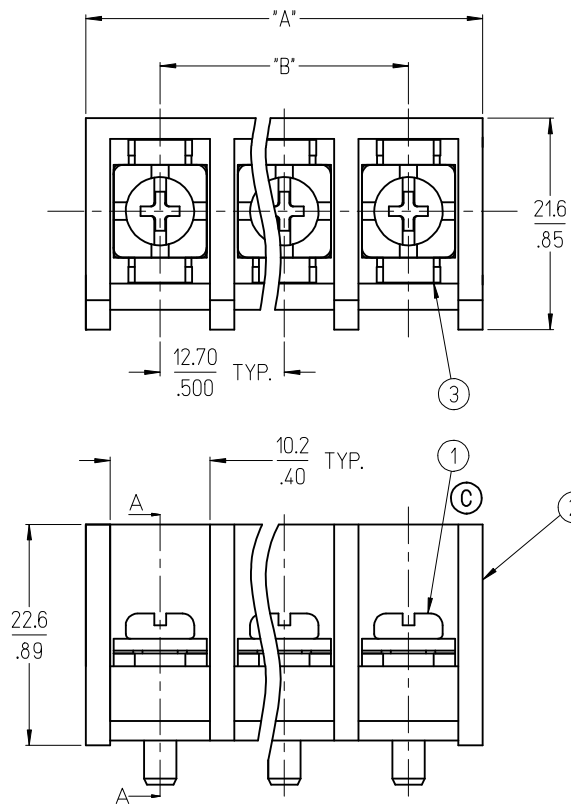
**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series
[38969Series](#)

Mates With
N/A



NOTES:

1. MATERIAL:
(1). SCREW: SEE LEGEND.
(2). INSULATOR: PBT, UL94V-0
(3). TERMINAL: BRASS, TIN PLATED
2. WIRE SIZE: 20-8 AWG.
3. RATING: 600V, 50A
4. MAX. TORQUE: 16 IN-LB.
5. OPERATING TEMPERATURE: -40°C TO +120°C
6. NUMBER OF CIRCUIT POSITIONS AVAILABLE = 2 THROUGH 15.
7. ASSEMBLY IS ROHS COMPLIANT.

MATERIAL NUMBER LEGEND

389 XX X X XX

INSULATOR STYLE

69 - NO MOUNTING ENDS

OF CIRCUITS

(02 - 15)

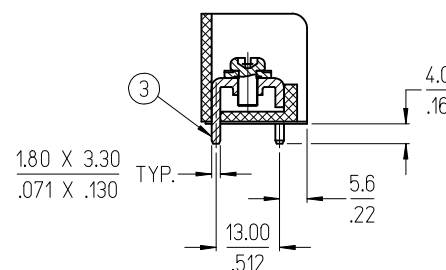
TERMINAL STYLE

0 - PC TAILS

SCREW STYLE

0 - M4 WITH SQUARE WASHER,
STEEL, ZINC PLATED

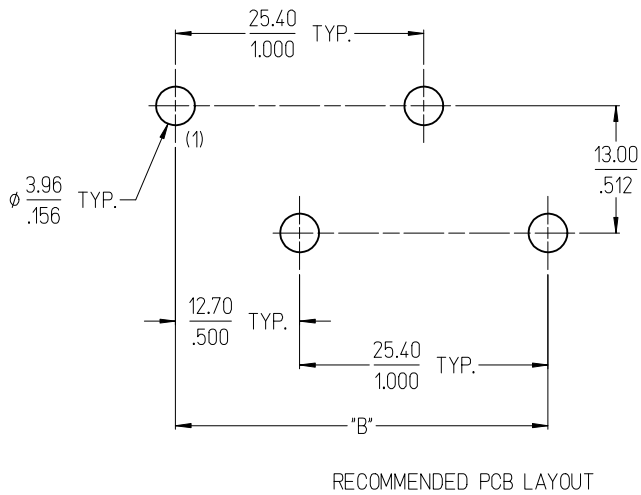
TERM. STYLE 0 - PC TAILS



SECTION A-A (SCALE 1:1)

CHANGE SCREW WASHER EC NO: WNA2009-0750 DRAWN: C.YORK 2009/05/26 CHKD: RDEROSS 2009/06/03 APPR: RDEROSS 2009/06/03	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
			MM/IN		2:1	INCH			
			DRAWN BY DATE		TITLE 12.70MM [.500] SINGLE ROW TRI-BARRIER TERMINAL STRIP				
			C. YORK 2006/11/20						
			CHECKED BY DATE		MOLEX MOLEX INCORPORATED				
			J. MACNEIL 2006/11/20						
			APPROVED BY DATE		DOCUMENT NO. SHEET NO.				
			J. MACNEIL 2006/11/20						
			MATERIAL NO.		SEE LEGEND				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						
SIZE B									

QUANTITY OF CIRCUITS	DIM. "A"		DIM. "B"	
	mm	in	mm	in
02	27.9	1.10	12.70	.500
03	40.6	1.60	25.40	1.000
04	53.3	2.10	38.10	1.500
05	66.0	2.60	50.80	2.000
06	78.7	3.10	63.50	2.500
07	91.4	3.60	76.20	3.000
08	104.1	4.10	88.90	3.500
09	116.8	4.60	101.60	4.000
10	129.5	5.10	114.30	4.500
11	142.2	5.60	127.00	5.000
12	154.9	6.10	139.70	5.500
13	167.6	6.60	152.40	6.000
14	180.3	7.10	165.10	6.500
15	193.0	7.60	177.80	7.000



SEE SHEET 1 EC NO: WNA2009-0750 DRAWN: C.YORK 2009/05/26 CHKD: RDEROSS 2009/06/03 APPR: RDEROSS 2009/06/03	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
				mm		INCH	DRAWN BY C. YORK		DATE 2006/11/20		TITLE 12.70MM [.500] SINGLE ROW TRI-BARRIER TERMINAL STRIP	
			4 PLACES	± ---	± ---	CHECKED BY J. MACNEIL		DATE 2006/11/20				
			3 PLACES	± ---	± .005	APPROVED BY J. MACNEIL		DATE 2006/11/20		MOLEX MOLEX INCORPORATED		
			2 PLACES	± 0.13	± .01							
1 PLACE	± 0.3	± ---	MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
			ANGULAR ± 2 °		SEE LEGEND		SD-38969-001		2 OF 2			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							