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Part Number: [0389690002](#)
Status: **Active**
Description: 12.70mm (.250") Pitch, Single Row Tri-Barrier Terminal Strip, without Mounting Ends, 2 Circuits

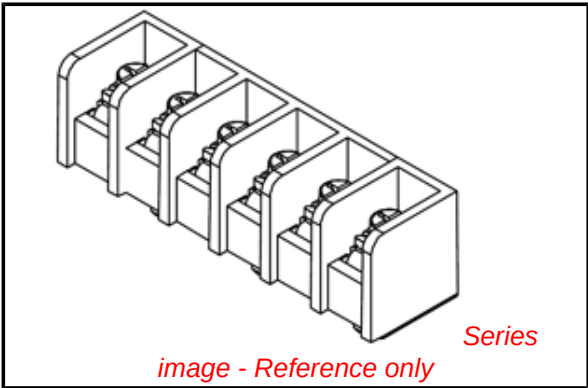
Documents:
[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

General	
Product Family	Terminal Blocks
Series	38969
Application	Wire-to-Board
Component Type	One Piece
Product Name	TSE
Type	Barrier Strip
Physical	
Circuits (Loaded)	2
Circuits (maximum)	2
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
Not Reviewed

China RoHS

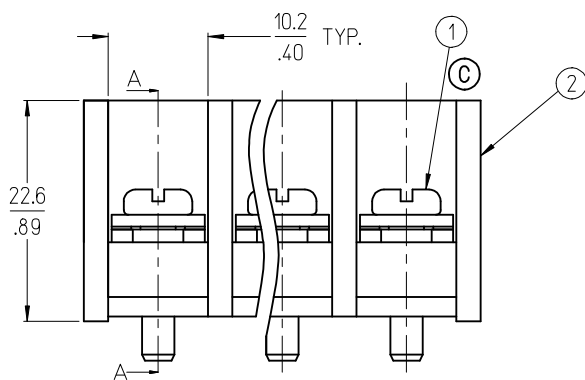
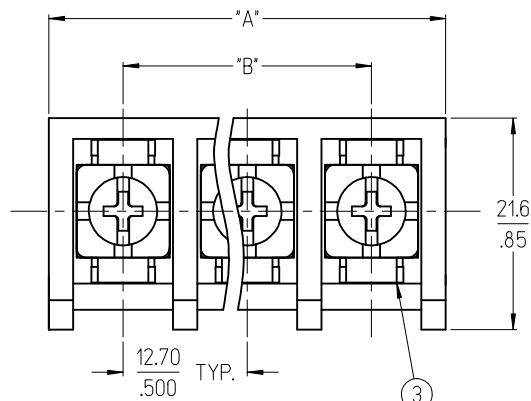


Need more information on product environmental compliance?
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)
Please visit the [Contact Us](#) section for any non-product compliance questions.

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

Mates With
N/A

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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)

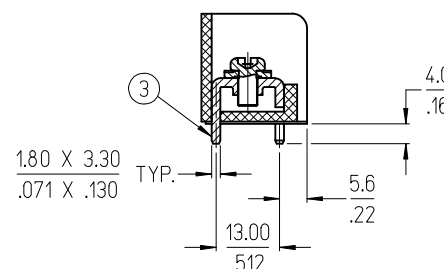
TERMINAL STYLE

0 - PC TAILS

SCREW STYLE

0 - M4 WITH SQUARE WASHER,
STEEL, ZINC PLATED

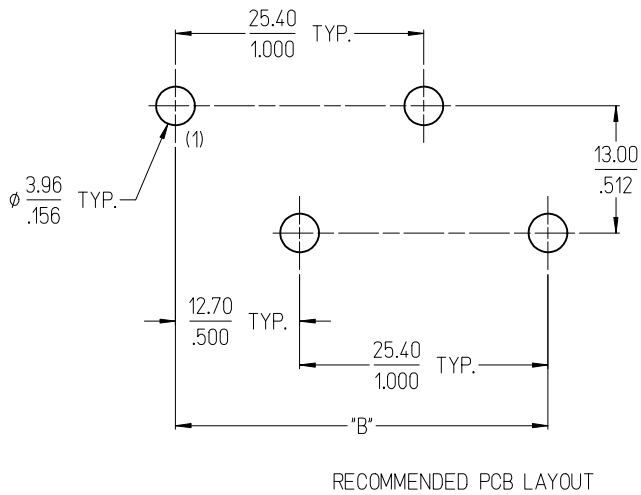
TERM. STYLE 0 - PC TAILS



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						
					TITLE		12.70MM [.500] SINGLE ROW TRI-BARRIER TERMINAL STRIP					
			DRAWN BY DATE		CHECKED BY DATE		MOLEX MOLEX INCORPORATED					
			C. YORK 2006/11/20		J. MACNEIL 2006/11/20							
			APPROVED BY DATE		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
			J. MACNEIL 2006/11/20		SEE LEGEND		SD-38969-001		1 OF 2			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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



RECOMMENDED PCB LAYOUT

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	MATERIAL NO. SEE LEGEND		DOCUMENT NO. SD-38969-001					
1 PLACE ± 0.3 ± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						