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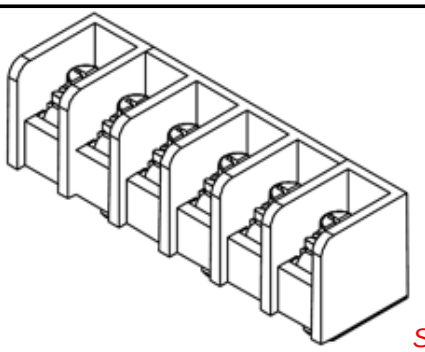
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0389690002

Status: Active

Description: 12.70mm (.250") Pitch, Single Row Tri-Barrier Terminal Strip, without Mounting Ends, 2 Circuits



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
RoHS Certificate of Compliance (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

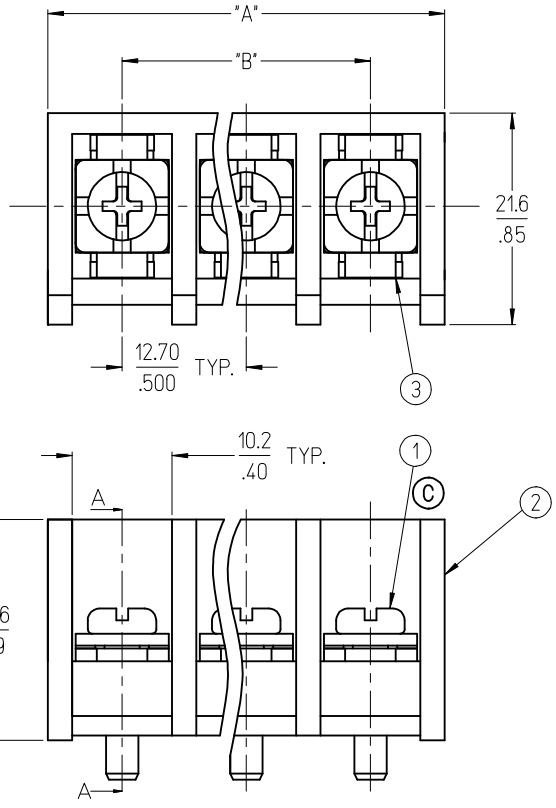
Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
38969Series

Mates With
N/A

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MATERIAL NUMBER LEGEND

389 XX X X XX

INSULATOR STYLE

69 - NO MOUNTING ENDS

OF CIRCUITS

(02 - 15)

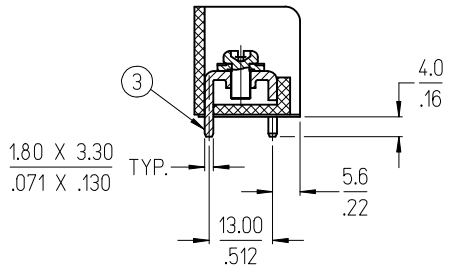
TERMINAL STYLE

0 - PC TAILS

SCREW STYLE

0 - M4 WITH SQUARE WASHER, STEEL, ZINC PLATED

TERM. STYLE 0 - PC TAILS



SECTION A-A (SCALE 1:1)

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.

CHANGE SCREW WASHER
EC NO: WNA2009-0750 2009/05/26
DRWN:CLYORK 2009/06/03
CH'KD:RDEROSS 2009/06/03
APPR:RDEROSS 2009/06/03
DESCRIPTION
C
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

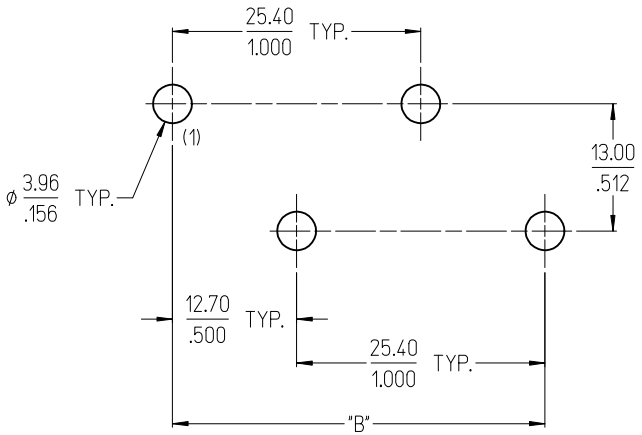
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .01
1 PLACE	± 0.3	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM/IN
SCALE	2:1
DESIGN UNITS	INCH
	THIRD ANGLE PROJECTION
DRAWN BY	C. YORK
DATE	2006/11/20
CHECKED BY	J. MACNEIL
DATE	2006/11/20
APPROVED BY	J. MACNEIL
DATE	2006/11/20
MATERIAL NO.	SEE LEGEND
TITLE	12.70MM [.500] SINGLE ROW TRI-BARRIER TERMINAL STRIP
	MOLEX INCORPORATED
DOCUMENT NO.	SD-38969-001
SHEET NO.	1 OF 2
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" mm	DIM. "A" in	DIM. "B" mm	DIM. "B" 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 2009/05/26
DRWN:CLYORK 2009/06/03
CH'KD:RDEROSS
APPR:RDEROSS
DESCRIPTION
C
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .01
1 PLACE	± 0.3	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 2:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: C. YORK DATE: 2006/11/20
CHECKED BY: J. MACNEIL DATE: 2006/11/20
APPROVED BY: J. MACNEIL DATE: 2006/11/20

TITLE: 12.70MM [.500] SINGLE ROW TRI-BARRIER TERMINAL STRIP

MOLEX INCORPORATED

MATERIAL NO.: SEE LEGEND
DOCUMENT NO.: SD-38969-001
SHEET NO.: 2 OF 2
SIZE: B

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