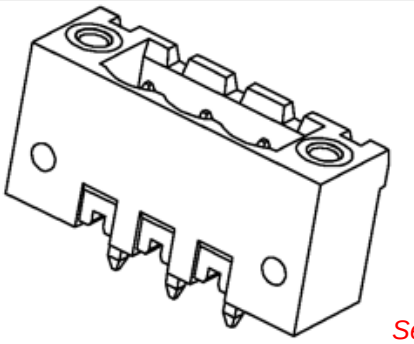
This document was generated on 04/23/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0395250006

Status: Active

Description: 5.00mm (.197") Pitch Eurostyle™ Vertical PCB Header, with Threaded Retention Inserts, 6 Circuits



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-39500-001 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	Terminal Blocks
Series	39525
Application	Wire-to-Board
Component Type	PCB Header
Product Literature Order No	USA-355
Product Name	ESE, Eurostyle™Pluggable
Type	Euro Block

Physical

Circuits (Loaded)	6
Entry Angle	N/A
Lock to Mating Part	Yes
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.154 In
PC Tail Length (mm)	3.90 mm
PCB Thickness Recommended (in)	0.125 In
PCB Thickness Recommended (mm)	3.20 mm
Panel Mount	No
Pitch - Mating Interface (in)	0.197 In
Pitch - Mating Interface (mm)	5.00 mm
Polarized to Mating Part	Yes
Shrouded	Closed Ends
Stackable	No
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-40°C to +105°C
Wire Size AWG	N/A

Electrical

Current - Maximum per Contact	15A
Voltage - Maximum	300V

Material Info

Reference - Drawing Numbers

Product Specification	PS-39500-001
Sales Drawing	SD-39501-002, SD-39525-002

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
39525Series

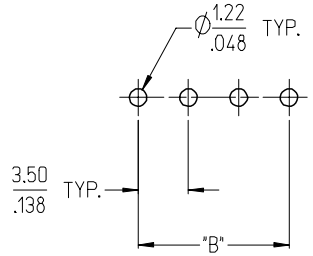
Mates With
Most 5.00mm (.197") Pitch Industry Standard Plugs, 39524 Horizontal Plug with Retention Screws, 39527 Vertical Plug with Retention Screws

This document was generated on 04/23/2010

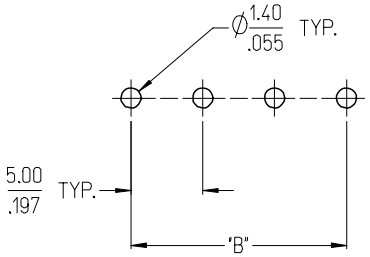
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

39501

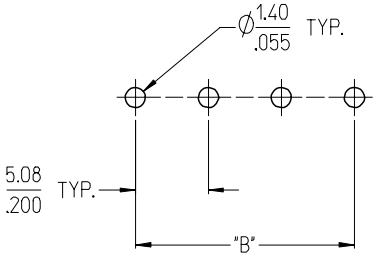
3950X SERIES
3.50mm HEADERS



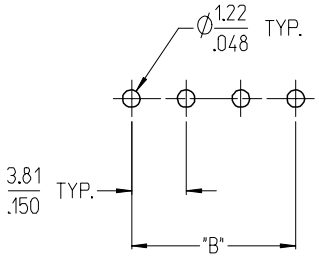
3952X & 3954X SERIES
5.00mm HEADERS
5.00mm 10 AMP FIXED



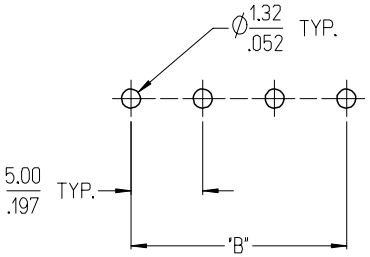
3953X SERIES
5.08mm HEADERS



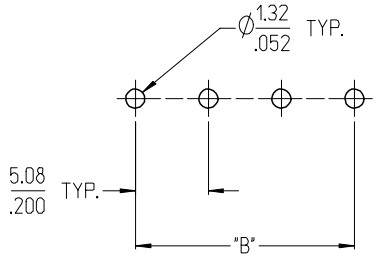
3951X SERIES
3.81mm HEADERS



3954X SERIES
5.00mm 15 AMP FIXED



3954X SERIES
5.08mm 15 AMP FIXED



NOTES:

1. REFER TO INDIVIDUAL PRODUCT SALES DRAWINGS FOR "B" DIMENSION.
2. DOES NOT APPLY TO DUAL LEVEL HEADERS, SERIES 39528 AND 39538.
3. TYP. = TYPICAL.

REV	DESCRIPTION
A	INITIAL RELEASE EC NO: ETC2007-0096 2006/10/02 DRWN: CLYORK 2006/10/04 CH'KD: JMACNEIL 2006/10/04 APPR: JMACNEIL 2006/10/04

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: 3:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

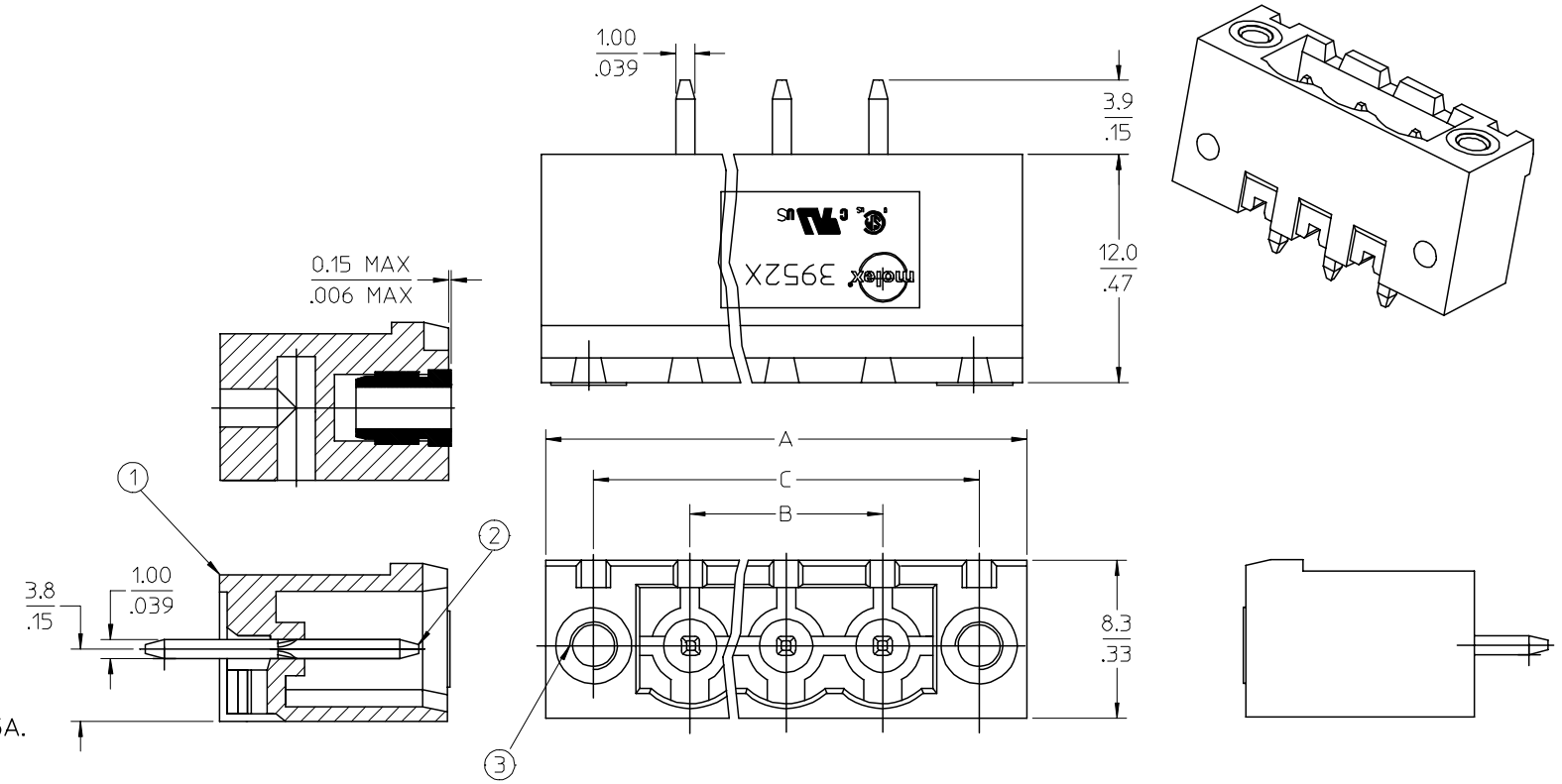
DRAWN BY	C. YORK	DATE 2006/08/25
CHECKED BY	J. MACNEIL	DATE 2006/08/25
APPROVED BY	J. MACNEIL	DATE 2006/08/25
MATERIAL NO.	--	

TITLE: RECOMMENDED PCB LAYOUT FOR ESE TERMINAL BLOCKS

MOLEX INCORPORATED

DOCUMENT NO. SD-39501-002
SHEET NO. 1 OF 1
SIZE B

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



SPECIFICATIONS:

1. Material:
   (1). Body: PA66
   (2). Pin: Brass
   (3). Threaded insert: Brass
2. Wire range: N/A
3. Electrical rating: 300V, 15A.
4. Wire strip length: N/A
5. Operating temperature: -40C to +105C.
6. Max torque: N/A
7. Insulation resistance: DC 500V, 500M.
8. Dielectric withstand: AC 2500V for 1 minute.
9. Breakdown voltage: 4000V.
10. A = (B + 15.0mm)
11. B = (N - 1) x P
13. C = (B + 10mm)
12. P (PITCH) = 5.0mm (.197").
13. N = Number of positions available 2 through 24.

ENTER DESCRIPTION
EC NO: NEO2006-0310 2006/01/09
DRWN:LROTHAUS 2006/01/09
CH'KD:CYORK 2006/01/10
APPR: JPAWLICK
DESCRIPTION
REV
A

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	±.0015
3 PLACES	±0.038	±.005
2 PLACES	±0.13	±.01
1 PLACE	±0.3	±---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: LROTHAUS DATE: 12/6/05
CHECKED BY: C. YORK DATE: 01/06/06
APPROVED BY: DATE:

TITLE: 5.0MM, EURO HEADER, VERTICAL, MOUNTING

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-39525-002
SHEET NO.: 1 OF 1

SIZE: B

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

Description	Circuit size	Material Numbers												Dimensional Information					
		Black						Green											
		100% Tin			30 u" Gold			100% Tin			30 u" Gold								
		Printing Options			Printing Options			Printing Options			Printing Options			Dim. A		Dim B		Dim. C	
		None	10AV	11AV	None	10AV	11AV	None	10AV	11AV	None	10AV	11AV	mm	inch	mm	inch	mm	inch
5.0mm, Euro Header, Vertical, Mounting Ends	2	395250002	395250302	395250402	395250502	395250802	395250902	395255002	395255302	395255402	395255502	395255802	395255902	20.00	0.787	5.00	0.197	15.00	0.591
5.0mm, Euro Header, Vertical, Mounting Ends	3	395250003	395250303	395250403	395250503	395250803	395250903	395255003	395255303	395255403	395255503	395255803	395255903	25.00	0.984	10.00	0.394	20.00	0.787
5.0mm, Euro Header, Vertical, Mounting Ends	4	395250004	395250304	395250404	395250504	395250804	395250904	395255004	395255304	395255404	395255504	395255804	395255904	30.00	1.181	15.00	0.591	25.00	0.984
5.0mm, Euro Header, Vertical, Mounting Ends	5	395250005	395250305	395250405	395250505	395250805	395250905	395255005	395255305	395255405	395255505	395255805	395255905	35.00	1.378	20.00	0.787	30.00	1.181
5.0mm, Euro Header, Vertical, Mounting Ends	6	395250006	395250306	395250406	395250506	395250806	395250906	395255006	395255306	395255406	395255506	395255806	395255906	40.00	1.575	25.00	0.984	35.00	1.378
5.0mm, Euro Header, Vertical, Mounting Ends	7	395250007	395250307	395250407	395250507	395250807	395250907	395255007	395255307	395255407	395255507	395255807	395255907	45.00	1.772	30.00	1.181	40.00	1.575
5.0mm, Euro Header, Vertical, Mounting Ends	8	395250008	395250308	395250408	395250508	395250808	395250908	395255008	395255308	395255408	395255508	395255808	395255908	50.00	1.969	35.00	1.378	45.00	1.772
5.0mm, Euro Header, Vertical, Mounting Ends	9	395250009	395250309	395250409	395250509	395250809	395250909	395255009	395255309	395255409	395255509	395255809	395255909	55.00	2.165	40.00	1.575	50.00	1.969
5.0mm, Euro Header, Vertical, Mounting Ends	10	395250010	395250310	395250410	395250510	395250810	395250910	395255010	395255310	395255410	395255510	395255810	395255910	60.00	2.362	45.00	1.772	55.00	2.165
5.0mm, Euro Header, Vertical, Mounting Ends	11	395250011	395250311	395250411	395250511	395250811	395250911	395255011	395255311	395255411	395255511	395255811	395255911	65.00	2.559	50.00	1.969	60.00	2.362
5.0mm, Euro Header, Vertical, Mounting Ends	12	395250012	395250312	395250412	395250512	395250812	395250912	395255012	395255312	395255412	395255512	395255812	395255912	70.00	2.756	55.00	2.165	65.00	2.559
5.0mm, Euro Header, Vertical, Mounting Ends	13	395250013	395250313	395250413	395250513	395250813	395250913	395255013	395255313	395255413	395255513	395255813	395255913	75.00	2.953	60.00	2.362	70.00	2.756
5.0mm, Euro Header, Vertical, Mounting Ends	14	395250014	395250314	395250414	395250514	395250814	395250914	395255014	395255314	395255414	395255514	395255814	395255914	80.00	3.150	65.00	2.559	75.00	2.953
5.0mm, Euro Header, Vertical, Mounting Ends	15	395250015	395250315	395250415	395250515	395250815	395250915	395255015	395255315	395255415	395255515	395255815	395255915	85.00	3.346	70.00	2.756	80.00	3.150
5.0mm, Euro Header, Vertical, Mounting Ends	16	395250016	395250316	395250416	395250516	395250816	395250916	395255016	395255316	395255416	395255516	395255816	395255916	90.00	3.543	75.00	2.953	85.00	3.346
5.0mm, Euro Header, Vertical, Mounting Ends	17	395250017	395250317	395250417	395250517	395250817	395250917	395255017	395255317	395255417	395255517	395255817	395255917	95.00	3.740	80.00	3.150	90.00	3.543
5.0mm, Euro Header, Vertical, Mounting Ends	18	395250018	395250318	395250418	395250518	395250818	395250918	395255018	395255318	395255418	395255518	395255818	395255918	100.00	3.937	85.00	3.346	95.00	3.740
5.0mm, Euro Header, Vertical, Mounting Ends	19	395250019	395250319	395250419	395250519	395250819	395250919	395255019	395255319	395255419	395255519	395255819	395255919	105.00	4.134	90.00	3.543	100.00	3.937
5.0mm, Euro Header, Vertical, Mounting Ends	20	395250020	395250320	395250420	395250520	395250820	395250920	395255020	395255320	395255420	395255520	395255820	395255920	110.00	4.331	95.00	3.740	105.00	4.134
5.0mm, Euro Header, Vertical, Mounting Ends	21	395250021	395250321	395250421	395250521	395250821	395250921	395255021	395255321	395255421	395255521	395255821	395255921	115.00	4.528	100.00	3.937	110.00	4.331
5.0mm, Euro Header, Vertical, Mounting Ends	22	395250022	395250322	395250422	395250522	395250822	395250922	395255022	395255322	395255422	395255522	395255822	395255922	120.00	4.724	105.00	4.134	115.00	4.528
5.0mm, Euro Header, Vertical, Mounting Ends	23	395250023	395250323	395250423	395250523	395250823	395250923	395255023	395255323	395255423	395255523	395255823	395255923	125.00	4.921	110.00	4.331	120.00	4.724
5.0mm, Euro Header, Vertical, Mounting Ends	24	395250024	395250324	395250424	395250524	395250824	395250924	395255024	395255324	395255424	395255524	395255824	395255924	130.00	5.118	115.00	4.528	125.00	4.921

SEE SHEET 1
EC NO: NEO2006-0310 2006/01/09
DRWN:LROTHAUS 2006/01/09
CH'KD:CYORK
APPR: JPAWLICK 2006/01/10
DESCRIPTION
A
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	±.0015
3 PLACES	± 0.038	±.005
2 PLACES	± 0.13	±.01
1 PLACE	± 0.3	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: LROTHAUS DATE: 12/6/05
CHECKED BY: C. YORK DATE: 01/04/06
APPROVED BY: DATE:

TITLE: 5.0MM, EURO HEADER, VERTICAL, MOUNTING

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-39525-002
SHEET NO.: 2 OF 2

SIZE: B

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION