

PCB LAYOUT

SPECIFICATIONS

1. MATERIAL:
  - (A). BODY: NYLON (PA66), UL94 V-0, COLOR: SEE SHEET-2
  - (B). SCREW: STEEL, M2.5, ZINC PLATED
  - (C). CONTACT: BRASS, NICKEL PLATED
  - (D). TERMINAL BLOCK: BRASS, TIN PLATED
2. WIRE RATING: 24-14 AWG
3. ELECTRICAL RATING: 300V, 15A
4. POWER-FREQUENCY WITHSTAND: AC 2500V/1 MIN
5. INSULATION RESISTANCE: DC500V 500MΩ OR ABOVE
6. RATED IMPULSE VOLTAGE: 4000V/MINUS AND PLUS 5 TIMES EACH
7. WIRE STRIP LENGTH: 7.0mm [.28inch]
8. SCREW TORQUE (MAX): 0.34 N.m (3.0 lbf.in)
9. OPERATING TEMPERATURE: -40°C TO +105°C
10. NUMBER OF CIRCUITS: 2 TO 24, SEE SHEET-2

TOLERANCES			
MM	TOL	INCH	TOL
0-6	±0.25	0-.24	±.010
>6-30	±0.40	.24-1.18	±.016
>30-120	±0.50	1.18-4.76	±.020
>120	±0.80	>4.76	±.031

FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: MIGRATED TO ECTR/NX	
FA = 0	MM/INCH	SCALE	4:1		
FE = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				
FD = 0	4 PLACES	±	---	±	---
	3 PLACES	±	---	±	SEE CHART
	2 PLACES	±	SEE CHART	±	SEE CHART
	1 PLACE	±	SEE CHART	±	---
	0 PLACES	±	---	±	---
	ANGULAR TOL		±	---	---
DIVISIONAL SYMBOLS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING
					B-SIZE
				SERIES	39543
				MATERIAL NUMBER	SEE SHEET-2
				CUSTOMER	GENERAL MARKET
				SHEET NUMBER	1 OF 2

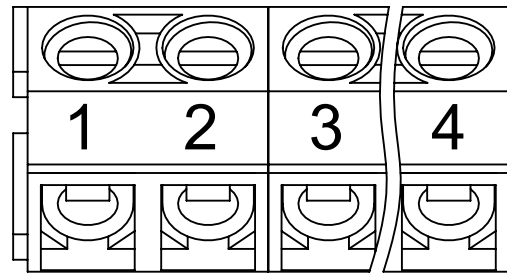
**molex**

EURO TERMINAL BLOCK  
5.00MM (.197) PITCH PC MOUNT, 45 DEGREE

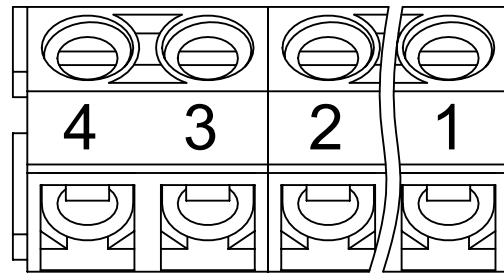
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: SD-39543-001  
DOC TYPE: PSD  
DOC PART: 001  
REVISION: B2

CIRCUIT SIZE	MATERIAL NUMBERS MOLDED TO LENGTH						MATERIAL NUMBERS (STACKABLE)						DIMENSIONAL INFORMATION			
	BLACK			GREEN			BLACK			GREEN			DIM. "A"		DIM. "B"	
	PRINTING OPTIONS			PRINTING OPTIONS			PRINTING OPTIONS			PRINTING OPTIONS			mm	inch	mm	inch
	None	10A	11A	None	10A	11A	None	10A	11A	None	10A	11A				
2	395430202	395431202	395432202	395930202	395931202	395932202	395430502	395431502	395432502	395930502	395931502	395932502	10.0	0.39	5.00	.197
3	395430203	395431203	395432203	395930203	395931203	395932203	395430503	395431503	395432503	395930503	395931503	395932503	15.0	0.59	10.00	.394
4	395430204	395431204	395432204	395930204	395931204	395932204							20.0	0.79	15.00	.591
5	395430205	395431205	395432205	395930205	395931205	395932205							25.0	0.98	20.00	.787
6	395430206	395431206	395432206	395930206	395931206	395932206							30.0	1.18	25.00	.984
7	395430207	395431207	395432207	395930207	395931207	395932207							35.0	1.38	30.00	1.181
8	395430208	395431208	395432208	395930208	395931208	395932208							40.0	1.57	35.00	1.378
9	395430209	395431209	395432209	395930209	395931209	395932209							45.0	1.77	40.00	1.575
10	395430210	395431210	395432210	395930210	395931210	395932210							50.0	1.97	45.00	1.772
11	395430211	395431211	395432211	395930211	395931211	395932211							55.0	2.17	50.00	1.969
12	395430212	395431212	395432212	395930212	395931212	395932212							60.0	2.36	55.00	2.165
13	395430213	395431213	395432213	395930213	395931213	395932213							65.0	2.56	60.00	2.362
14	395430214	395431214	395432214	395930214	395931214	395932214							70.0	2.76	65.00	2.559
15	395430215	395431215	395432215	395930215	395931215	395932215							75.0	2.95	70.00	2.756
16	395430216	395431216	395432216	395930216	395931216	395932216							80.0	3.15	75.00	2.953
17	395430217	395431217	395432217	395930217	395931217	395932217							85.0	3.35	80.00	3.150
18	395430218	395431218	395432218	395930218	395931218	395932218							90.0	3.54	85.00	3.346
19	395430219	395431219	395432219	395930219	395931219	395932219							95.0	3.74	90.00	3.543
20	395430220	395431220	395432220	395930220	395931220	395932220							100.0	3.94	95.00	3.740
21	395430221	395431221	395432221	395930221	395931221	395932221							105.0	4.13	100.00	3.937
22	395430222	395431222	395432222	395930222	395931222	395932222							110.0	4.33	105.00	4.134
23	395430223	395431223	395432223	395930223	395931223	395932223							115.0	4.53	110.00	4.331
24	395430224	395431224	395432224	395930224	395931224	395932224							120.0	4.72	115.00	4.528





REF. 10A PRINT OPT.



REF. 11A PRINT OPT.

TOLERANCES			
MM	TOL	INCH	TOL
0-6	±0.25	0-.24	±.010
>6-30	±0.40	.24-1.18	±.016
>30-120	±0.50	1.18-4.76	±.020
>120	±0.80	>4.76	±.031

FUNCTIONAL SYMBOLS												THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
DIMENSION UNITS				SCALE				CURRENT REV DESC: MIGRATED TO ECTR/NX				 <p>EURO TERMINAL BLOCK 5.00MM (.197) PITCH PC MOUNT, 45 DEGREE</p>											
MM/INCH				3:1																			
GENERAL TOLERANCES (UNLESS SPECIFIED)												<p>EC NO: 637366 DRWN: ABENJAMINLW CHK'D: DACHAMMER APPR: JFMURPHY</p>											
4 PLACES		±		---		±		---		2020/03/12						<p>PRODUCT CUSTOMER DRAWING</p>							
3 PLACES		±		---		±		SEE CHART		2020/05/18		<p>DOCUMENT NUMBER: SD-39543-001</p>											
2 PLACES		±		---		±		SEE CHART		2020/05/29				<p>DOC TYPE: PSD</p>									
1 PLACE		±		---		±		SEE CHART		2006/01/09		<p>DOC PART: 001</p>											
0 PLACES		±		---		±		---		2006/01/10				<p>REVISION: B2</p>									
ANGULAR TOL				±				---				<p>SHEET NUMBER: 2 OF 2</p>											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER									
								B-SIZE		39543		SEE CHART		GENERAL MARKET									

Description	Circuit size	Material Numbers Folded to Length						Material Numbers Stackable						Dimensional Information			
		Black			Green			Black			Green			Dim A		Dim B	
		100% Lin			100% Lin			100% Lin			100% Lin						
		Printing Options		Printing Options		Printing Options		Printing Options		Printing Options		Printing Options					
None	10A	11A	None	10A	11A	None	10A	11A	None	10A	11A	mm	inch	mm	inch		
5.0mm, Euro Block, PC Mount, 45 Deg	2	395430202	395431202	395432202	395930202	395931202	395932202	395430502	395431502	395432502	395930502	395931502	395932502	10.00	0.394	5.00	0.197
5.0mm, Euro Block, PC Mount, 45 Deg	3	395430203	395431203	395432203	395930203	395931203	395932203	395430503	395431503	395432503	395930503	395931503	395932503	15.00	0.591	10.00	0.394
5.0mm, Euro Block, PC Mount, 45 Deg	4	395430204	395431204	395432204	395930204	395931204	395932204	N/A	N/A	N/A	N/A	N/A	N/A	20.00	0.787	15.00	0.591
5.0mm, Euro Block, PC Mount, 45 Deg	5	395430205	395431205	395432205	395930205	395931205	395932205	N/A	N/A	N/A	N/A	N/A	N/A	25.00	0.984	20.00	0.787
5.0mm, Euro Block, PC Mount, 45 Deg	6	395430206	395431206	395432206	395930206	395931206	395932206	N/A	N/A	N/A	N/A	N/A	N/A	30.00	1.181	25.00	0.984
5.0mm, Euro Block, PC Mount, 45 Deg	7	395430207	395431207	395432207	395930207	395931207	395932207	N/A	N/A	N/A	N/A	N/A	N/A	35.00	1.378	30.00	1.181
5.0mm, Euro Block, PC Mount, 45 Deg	8	395430208	395431208	395432208	395930208	395931208	395932208	N/A	N/A	N/A	N/A	N/A	N/A	40.00	1.575	35.00	1.378
5.0mm, Euro Block, PC Mount, 45 Deg	9	395430209	395431209	395432209	395930209	395931209	395932209	N/A	N/A	N/A	N/A	N/A	N/A	45.00	1.772	40.00	1.575
5.0mm, Euro Block, PC Mount, 45 Deg	10	395430210	395431210	395432210	395930210	395931210	395932210	N/A	N/A	N/A	N/A	N/A	N/A	50.00	1.969	45.00	1.772
5.0mm, Euro Block, PC Mount, 45 Deg	11	395430211	395431211	395432211	395930211	395931211	395932211	N/A	N/A	N/A	N/A	N/A	N/A	55.00	2.166	50.00	1.969
5.0mm, Euro Block, PC Mount, 45 Deg	12	395430212	395431212	395432212	395930212	395931212	395932212	N/A	N/A	N/A	N/A	N/A	N/A	60.00	2.362	55.00	2.166
5.0mm, Euro Block, PC Mount, 45 Deg	13	395430213	395431213	395432213	395930213	395931213	395932213	N/A	N/A	N/A	N/A	N/A	N/A	65.00	2.559	60.00	2.362
5.0mm, Euro Block, PC Mount, 45 Deg	14	395430214	395431214	395432214	395930214	395931214	395932214	N/A	N/A	N/A	N/A	N/A	N/A	70.00	2.756	65.00	2.559
5.0mm, Euro Block, PC Mount, 45 Deg	15	395430215	395431215	395432215	395930215	395931215	395932215	N/A	N/A	N/A	N/A	N/A	N/A	75.00	2.953	70.00	2.756
5.0mm, Euro Block, PC Mount, 45 Deg	16	395430216	395431216	395432216	395930216	395931216	395932216	N/A	N/A	N/A	N/A	N/A	N/A	80.00	3.150	75.00	2.953
5.0mm, Euro Block, PC Mount, 45 Deg	17	395430217	395431217	395432217	395930217	395931217	395932217	N/A	N/A	N/A	N/A	N/A	N/A	85.00	3.346	80.00	3.150
5.0mm, Euro Block, PC Mount, 45 Deg	18	395430218	395431218	395432218	395930218	395931218	395932218	N/A	N/A	N/A	N/A	N/A	N/A	90.00	3.543	85.00	3.346
5.0mm, Euro Block, PC Mount, 45 Deg	19	395430219	395431219	395432219	395930219	395931219	395932219	N/A	N/A	N/A	N/A	N/A	N/A	95.00	3.740	90.00	3.543
5.0mm, Euro Block, PC Mount, 45 Deg	20	395430220	395431220	395432220	395930220	395931220	395932220	N/A	N/A	N/A	N/A	N/A	N/A	100.00	3.937	95.00	3.740
5.0mm, Euro Block, PC Mount, 45 Deg	21	395430221	395431221	395432221	395930221	395931221	395932221	N/A	N/A	N/A	N/A	N/A	N/A	105.00	4.134	100.00	3.937
5.0mm, Euro Block, PC Mount, 45 Deg	22	395430222	395431222	395432222	395930222	395931222	395932222	N/A	N/A	N/A	N/A	N/A	N/A	110.00	4.331	105.00	4.134
5.0mm, Euro Block, PC Mount, 45 Deg	23	395430223	395431223	395432223	395930223	395931223	395932223	N/A	N/A	N/A	N/A	N/A	N/A	115.00	4.528	110.00	4.331
5.0mm, Euro Block, PC Mount, 45 Deg	24	395430224	395431224	395432224	395930224	395931224	395932224	N/A	N/A	N/A	N/A	N/A	N/A	120.00	4.724	115.00	4.528

TOLERANCES			
MM	TOL	INCH	TOL
0-6	±0.25	0-.24	±.010
>6-30	±0.40	.24-1.18	±.016
>30-120	±0.50	1.18-4.76	±.020
>120	±0.80	>4.76	±.031

<b>REVISED DOC TOL</b> EC NO: IFC2017-0861 DRAWN: ABENJAMIN W 2017/03/22 CHKD: APPR: BRUPERT 2017/04/18 REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± ---°	DIMENSION STYLE MM/IN DRAWN BY DATE L.ROTHAUS 12/6/05 CHECKED BY DATE C. YORK 01/05/06 APPROVED BY DATE	SCALE DESIGN UNITS INCH THIRD ANGLE PROJECTION	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE CHART SIZE B	TITLE 5.0MM, EURO TERM. BLOCK PC MOUNT, 45 DEGREE molex MOLEX INCORPORATED DOCUMENT NO. SD-39543-001 SHEET NO. 2 OF 2
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
	A1				

Description	Circuit size	Material Numbers Folded to Length						Material Numbers Stackable						Dimensional Information			
		Black			Green			Black			Green						
		100% Lin			100% Lin			100% Lin			100% Lin			Dim A		Dim B	
		Printing Options		None	Printing Options		None	Printing Options		None	Printing Options		None				
None	10A	11A	None	10A	11A	None	10A	11A	None	10A	11A	mm	inch	mm	inch		
5.0mm, Euro Block, PC Mount, 45 Deg	2	395430202	395431202	395432202	395930202	395931202	395932202	395430502	395431502	395432502	395930502	395931502	395932502	10.00	0.394	5.00	0.197
5.0mm, Euro Block, PC Mount, 45 Deg	3	395430203	395431203	395432203	395930203	395931203	395932203	395430503	395431503	395432503	395930503	395931503	395932503	15.00	0.591	10.00	0.394
5.0mm, Euro Block, PC Mount, 45 Deg	4	395430204	395431204	395432204	395930204	395931204	395932204	N/A	N/A	N/A	N/A	N/A	N/A	20.00	0.787	15.00	0.591
5.0mm, Euro Block, PC Mount, 45 Deg	5	395430205	395431205	395432205	395930205	395931205	395932205	N/A	N/A	N/A	N/A	N/A	N/A	25.00	0.984	20.00	0.787
5.0mm, Euro Block, PC Mount, 45 Deg	6	395430206	395431206	395432206	395930206	395931206	395932206	N/A	N/A	N/A	N/A	N/A	N/A	30.00	1.181	25.00	0.984
5.0mm, Euro Block, PC Mount, 45 Deg	7	395430207	395431207	395432207	395930207	395931207	395932207	N/A	N/A	N/A	N/A	N/A	N/A	35.00	1.378	30.00	1.181
5.0mm, Euro Block, PC Mount, 45 Deg	8	395430208	395431208	395432208	395930208	395931208	395932208	N/A	N/A	N/A	N/A	N/A	N/A	40.00	1.575	35.00	1.378
5.0mm, Euro Block, PC Mount, 45 Deg	9	395430209	395431209	395432209	395930209	395931209	395932209	N/A	N/A	N/A	N/A	N/A	N/A	45.00	1.772	40.00	1.575
5.0mm, Euro Block, PC Mount, 45 Deg	10	395430210	395431210	395432210	395930210	395931210	395932210	N/A	N/A	N/A	N/A	N/A	N/A	50.00	1.969	45.00	1.772
5.0mm, Euro Block, PC Mount, 45 Deg	11	395430211	395431211	395432211	395930211	395931211	395932211	N/A	N/A	N/A	N/A	N/A	N/A	55.00	2.166	50.00	1.969
5.0mm, Euro Block, PC Mount, 45 Deg	12	395430212	395431212	395432212	395930212	395931212	395932212	N/A	N/A	N/A	N/A	N/A	N/A	60.00	2.362	55.00	2.166
5.0mm, Euro Block, PC Mount, 45 Deg	13	395430213	395431213	395432213	395930213	395931213	395932213	N/A	N/A	N/A	N/A	N/A	N/A	65.00	2.559	60.00	2.362
5.0mm, Euro Block, PC Mount, 45 Deg	14	395430214	395431214	395432214	395930214	395931214	395932214	N/A	N/A	N/A	N/A	N/A	N/A	70.00	2.756	65.00	2.559
5.0mm, Euro Block, PC Mount, 45 Deg	15	395430215	395431215	395432215	395930215	395931215	395932215	N/A	N/A	N/A	N/A	N/A	N/A	75.00	2.953	70.00	2.756
5.0mm, Euro Block, PC Mount, 45 Deg	16	395430216	395431216	395432216	395930216	395931216	395932216	N/A	N/A	N/A	N/A	N/A	N/A	80.00	3.150	75.00	2.953
5.0mm, Euro Block, PC Mount, 45 Deg	17	395430217	395431217	395432217	395930217	395931217	395932217	N/A	N/A	N/A	N/A	N/A	N/A	85.00	3.346	80.00	3.150
5.0mm, Euro Block, PC Mount, 45 Deg	18	395430218	395431218	395432218	395930218	395931218	395932218	N/A	N/A	N/A	N/A	N/A	N/A	90.00	3.543	85.00	3.346
5.0mm, Euro Block, PC Mount, 45 Deg	19	395430219	395431219	395432219	395930219	395931219	395932219	N/A	N/A	N/A	N/A	N/A	N/A	95.00	3.740	90.00	3.543
5.0mm, Euro Block, PC Mount, 45 Deg	20	395430220	395431220	395432220	395930220	395931220	395932220	N/A	N/A	N/A	N/A	N/A	N/A	100.00	3.937	95.00	3.740
5.0mm, Euro Block, PC Mount, 45 Deg	21	395430221	395431221	395432221	395930221	395931221	395932221	N/A	N/A	N/A	N/A	N/A	N/A	105.00	4.134	100.00	3.937
5.0mm, Euro Block, PC Mount, 45 Deg	22	395430222	395431222	395432222	395930222	395931222	395932222	N/A	N/A	N/A	N/A	N/A	N/A	110.00	4.331	105.00	4.134
5.0mm, Euro Block, PC Mount, 45 Deg	23	395430223	395431223	395432223	395930223	395931223	395932223	N/A	N/A	N/A	N/A	N/A	N/A	115.00	4.528	110.00	4.331
5.0mm, Euro Block, PC Mount, 45 Deg	24	395430224	395431224	395432224	395930224	395931224	395932224	N/A	N/A	N/A	N/A	N/A	N/A	120.00	4.724	115.00	4.528

TOLERANCES			
MM	TOL	INCH	TOL
0-6	±0.25	0-.24	±.010
>6-30	±0.40	.24-1.18	±.016
>30-120	±0.50	1.18-4.76	±.020
>120	±0.80	>4.76	±.031

<b>REVISED DOC TOL</b> EC NO: IFC2017-0861 DRAWN: ABENJAMIN W 2017/03/22 CHKD: [ ] APPR: BRUPERT 2017/04/18 REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± ---°	DIMENSION STYLE MM/IN DRAWN BY DATE L.ROTHAUS 12/6/05 CHECKED BY DATE C. YORK 01/05/06 APPROVED BY DATE	SCALE DESIGN UNITS INCH THIRD ANGLE PROJECTION	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE CHART SIZE B	TITLE 5.0MM, EURO TERM. BLOCK PC MOUNT, 45 DEGREE
	MOLEX INCORPORATED			DOCUMENT NO. SD-39543-001	SHEET NO. 2 OF 2
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				