

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0395100012](#)  
**Status:** **Active**  
**Description:** 3.81mm (.150") Pitch Eurostyle™ Horizontal Plug, 12 Circuits

**Documents:**

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

**General**

Product Family	Terminal Blocks
Series	<a href="#">39510</a>
Application	Wire-to-Board
Component Type	Plug
Product Literature Order No	USA-355
Product Name	ESE, Eurostyle™ Pluggable
Type	Euro Block

**Physical**

Circuits (Loaded)	12
Entry Angle	Vertical
Lock to Mating Part	None
Number of Rows	1
Orientation	Horizontal
Panel Mount	No
Pitch - Mating Interface (in)	0.150 In
Pitch - Mating Interface (mm)	3.81 mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-40°C to +105°C
Wire Size AWG	16, 18, 20, 22, 24
Wire Size mm²	0.20 - 1.31

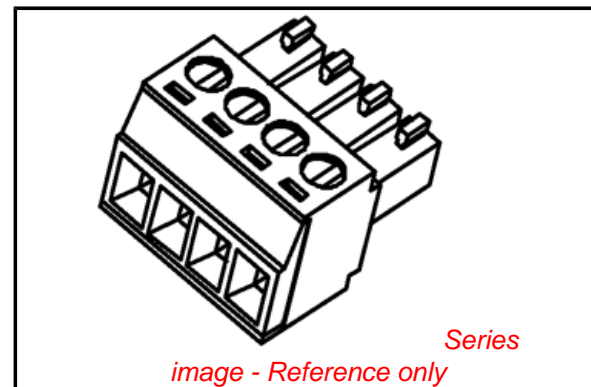
**Electrical**

Current - Maximum per Contact	8A
Voltage - Maximum	300V

**Material Info**

**Reference - Drawing Numbers**

Product Specification	PS-39500-001
Sales Drawing	SD-39510-001



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

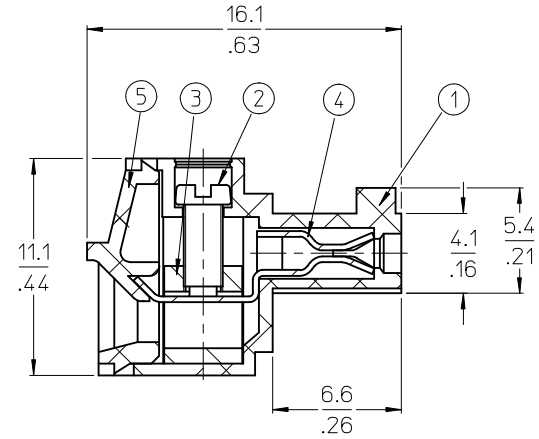
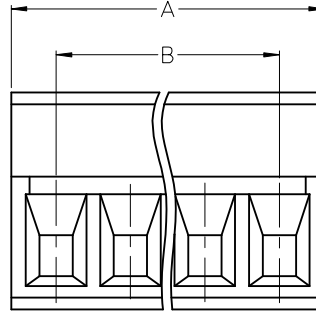
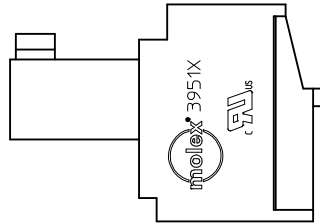
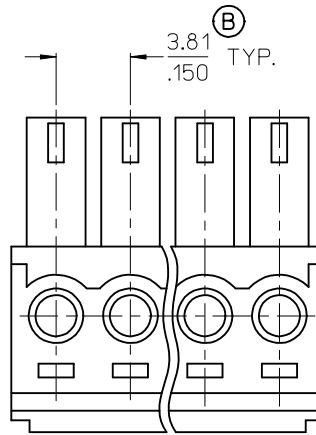
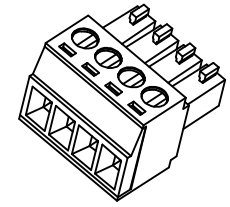
Please visit the [Contact Us](#) section for any  
 non-product compliance questions.

**Search Parts in this Series**

[39510Series](#)

**Mates With**

Most 3.81mm (.150") Pitch Industry  
 Standard PCB Headers, [39511](#) Vertical PCB  
 Header, [39512](#) Horizontal PCB Header



**SPECIFICATIONS:**

**1. MATERIAL:**

- (1). BODY: NYLON 66 (PA 66, UL94V-0).
- (2). SCREW: STEEL.
- (3). CAGE (\*): BRASS
- (4). CONTACT: BRASS
- (5). COVER: NYLON 66 (PA 66, UL94V-0).

**(B) 2. PRODUCT SPECIFICATION: PS-39500-001.**

3. WIRE RANGE: 30 - 16AWG.

4. TORQUE: 2 in-lbs.

5. WIRE STRIP LENGTH: 6.50/.256.

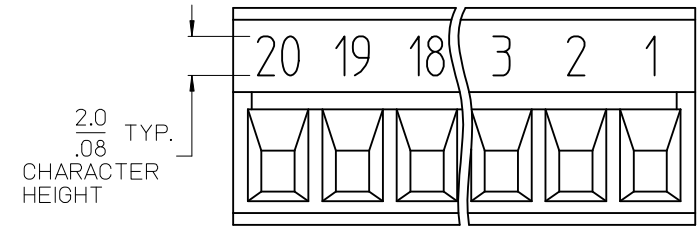
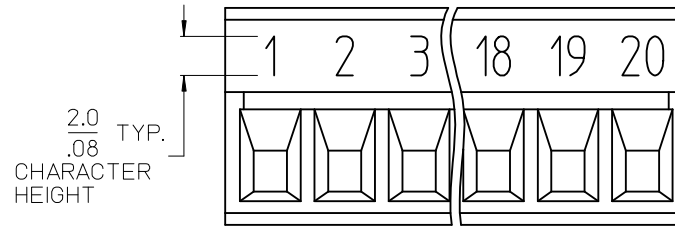
6. NUMBER OF CIRCUIT POSITIONS AVAILABLE = 2 THROUGH 20.

**(B) 7. ASSEMBLY IS ROHS COMPLIANT BY EXEMPTION.**

COMPONENTS MARKED WITH AN ASTERISK (\*) ARE ROHS COMPLIANT BY EXEMPTION, ALL OTHERS ARE ROHS COMPLIANT.

ADD IMPRINTING EC NO: WNA2009-0837 DRAWN: CLYORK 2009/06/16 CHKD: RDEROSS 2009/06/17 APPR: RDEROSS 2009/06/17	DESCRIPTION B	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 °	DIMENSION STYLE MM/IN DRAWN BY DATE EHILE 2006/03/20 CHECKED BY DATE EHILE 2006/03/20 APPROVED BY DATE RDEROSS 2006/03/20	SCALE 4:1 TITLE 3.81MM, EURO PLUG, RIGHT ANGLE	DESIGN UNITS INCH THIRD ANGLE PROJECTION	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE CHART	DOCUMENT NO. SD-39510-001	SHEET NO. 1 OF 2
		Molex MOLEX INCORPORATED					
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

Circuit size	Material Numbers												Dimensional Information						
	Black						Green												
	100% Tin			30 u" Gold			100% Tin			30 u" Gold			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	None	10A	11A	mm	inch	mm	inch
2	39510002	395100102	395100202	395100502	395100602	395100702	395105002	395105102	395105202	395105502	395105602	395105702	8.4	0.33	3.8	0.15			
3	39510003	395100103	395100203	395100503	395100603	395100703	395105003	395105103	395105203	395105503	395105603	395105703	12.2	0.48	7.6	0.30			
4	39510004	395100104	395100204	395100504	395100604	395100704	395105004	395105104	395105204	395105504	395105604	395105704	16.0	0.63	11.4	0.45			
5	39510005	395100105	395100205	395100505	395100605	395100705	395105005	395105105	395105205	395105505	395105605	395105705	19.8	0.78	15.2	0.60			
6	39510006	395100106	395100206	395100506	395100606	395100706	395105006	395105106	395105206	395105506	395105606	395105706	23.7	0.93	19.1	0.75			
7	39510007	395100107	395100207	395100507	395100607	395100707	395105007	395105107	395105207	395105507	395105607	395105707	27.5	1.08	22.9	0.90			
8	39510008	395100108	395100208	395100508	395100608	395100708	395105008	395105108	395105208	395105508	395105608	395105708	31.3	1.23	26.7	1.05			
9	39510009	395100109	395100209	395100509	395100609	395100709	395105009	395105109	395105209	395105509	395105609	395105709	35.1	1.38	30.5	1.20			
10	395100010	395100110	395100210	395100510	395100610	395100710	395105010	395105110	395105210	395105510	395105610	395105710	38.9	1.53	34.3	1.35			
11	395100011	395100111	395100211	395100511	395100611	395100711	395105011	395105111	395105211	395105511	395105611	395105711	42.7	1.68	38.1	1.50			
12	395100012	395100112	395100212	395100512	395100612	395100712	395105012	395105112	395105212	395105512	395105612	395105712	46.5	1.83	41.9	1.65			
13	395100013	395100113	395100213	395100513	395100613	395100713	395105013	395105113	395105213	395105513	395105613	395105713	50.3	1.98	45.7	1.80			
14	395100014	395100114	395100214	395100514	395100614	395100714	395105014	395105114	395105214	395105514	395105614	395105714	54.1	2.13	49.5	1.95			
15	395100015	395100115	395100215	395100515	395100615	395100715	395105015	395105115	395105215	395105515	395105615	395105715	57.9	2.28	53.3	2.10			
16	395100016	395100116	395100216	395100516	395100616	395100716	395105016	395105116	395105216	395105516	395105616	395105716	61.8	2.43	57.2	2.25			
17	395100017	395100117	395100217	395100517	395100617	395100717	395105017	395105117	395105217	395105517	395105617	395105717	65.6	2.58	61.0	2.40			
18	395100018	395100118	395100218	395100518	395100618	395100718	395105018	395105118	395105218	395105518	395105618	395105718	69.4	2.73	64.8	2.55			
19	395100019	395100119	395100219	395100519	395100619	395100719	395105019	395105119	395105219	395105519	395105619	395105719	73.2	2.88	68.6	2.70			
20	395100020	395100120	395100220	395100520	395100620	395100720	395105020	395105120	395105220	395105520	395105620	395105720	77.0	3.03	72.4	2.85			



ⓑ 10A IMPRINTING

ⓑ 11A IMPRINTING

SEE SHEET ONE EC NO: WNA2009-0837 DRAWN: CLYORK 2009/06/16 CHKD: RDEROSS 2009/06/17 APPR: RDEROSS 2009/06/17	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
				MM/IN		4:1	INCH				
				mm	INCH	DRAWN BY DATE		TITLE 3.81MM, EURO PLUG, RIGHT ANGLE			
				± ---	± ---	EHILE 2006/03/20					
		4 PLACES ± --- ± ---		CHECKED BY DATE		MATERIAL NO. DOCUMENT NO. SHEET NO.					
		3 PLACES ± --- ± .005		EHILE 2006/03/20							
		2 PLACES ± 0.13 ± .01		APPROVED BY DATE		MATERIAL NO. DOCUMENT NO. SHEET NO.					
		1 PLACE ± 0.3 ± ---		RDEROSS 2006/03/20							
		ANGULAR ± 2 °		MATERIAL NO.		MATERIAL NO. DOCUMENT NO. SHEET NO.					
				RDEROSS							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		MATERIAL NO. DOCUMENT NO. SHEET NO.					
				SIZE B							
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