



SPECIFICATIONS: (E)

1. MATERIAL:
 - (1). BODY: PA 66 (UL94-V0)
 - (2). SCREW: ZINC PLATED STEEL
 - (3). CAGE: NICKEL PLATED BRASS
 - (4). TERMINAL: TIN PLATED PHOSPHOR BRONZE
 - (5). COVER: PA 66 (UL94-V0)
2. PRODUCT SPECIFICATION: PS-39500-001
3. WIRE RANGE: 30 - 16 AWG
4. TORQUE: 2 IN-LBS.
5. WIRE STRIP LENGTH: 6.50/.256
6. NUMBER OF CIRCUIT POSITIONS AVAILABLE = 2 THROUGH 20

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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
FUNCTIONAL SYMBOLS	DIMENSION UNITS	SCALE	CURRENT REV DESC: UPDATED MATERIAL/PLATING NOTES FOR ITEMS 1-5						
	MM/INCH	3:1	molex 3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY PRODUCT CUSTOMER DRAWING						
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)								
	4 PLACES	± --- ± ---	MM	INCH	CHK'D: DACHAMMER		2025/09/10		
FUNCTIONAL SYMBOLS	3 PLACES	± --- ± SEE CHART	APPR: HKNEELAND		2025/09/15		DOCUMENT NUMBER		
	2 PLACES	± SEE CHART ± SEE CHART	INITIAL REVISION:		DRWN: CYORK		2006/03/23		SD-39503-001
	1 PLACE	± SEE CHART ± ---	APPR: RDEROSS		2006/03/24		DOC TYPE	DOC PART	
	0 PLACES	± --- ± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER
					B-SIZE	39503	SEE SHEET-2	GENERAL MARKET	1 OF 2

DESCRIPTION	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	10AV	11AV	None	10AV	11AV	None	10AV	11AV	None	10AV	11AV				
3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY	2	395033002	395033302	395033402	395033502	395033802	395033902	395038002	395038302	395038402	395038502	395038802	395038902	8.1	.32	3.5	.14
3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY	3	395033003	395033303	395033403	395033503	395033803	395033903	395038003	395038303	395038403	395038503	395038803	395038903	11.6	.46	7.0	.28
3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY	4	395033004	395033304	395033404	395033504	395033804	395033904	395038004	395038304	395038404	395038504	395038804	395038904	15.1	.59	10.5	.41
3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY	5	395033005	395033305	395033405	395033505	395033805	395033905	395038005	395038305	395038405	395038505	395038805	395038905	18.6	.73	14.0	.55
3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY	6	395033006	395033306	395033406	395033506	395033806	395033906	395038006	395038306	395038406	395038506	395038806	395038906	22.1	.87	17.5	.69
3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY	7	395033007	395033307	395033407	395033507	395033807	395033907	395038007	395038307	395038407	395038507	395038807	395038907	25.6	1.01	21.0	.83
3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY	8	395033008	395033308	395033408	395033508	395033808	395033908	395038008	395038308	395038408	395038508	395038808	395038908	29.1	1.15	24.5	.97
3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY	9	395033009	395033309	395033409	395033509	395033809	395033909	395038009	395038309	395038409	395038509	395038809	395038909	32.6	1.28	28.0	1.10
3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY	10	395033010	395033310	395033410	395033510	395033810	395033910	395038010	395038310	395038410	395038510	395038810	395038910	36.1	1.42	31.5	1.24
3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY	11	395033011	395033311	395033411	395033511	395033811	395033911	395038011	395038311	395038411	395038511	395038811	395038911	39.6	1.56	35.0	1.38
3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY	12	395033012	395033312	395033412	395033512	395033812	395033912	395038012	395038312	395038412	395038512	395038812	395038912	43.1	1.70	38.5	1.52
3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY	13	395033013	395033313	395033413	395033513	395033813	395033913	395038013	395038313	395038413	395038513	395038813	395038913	46.6	1.84	42.0	1.65
3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY	14	395033014	395033314	395033414	395033514	395033814	395033914	395038014	395038314	395038414	395038514	395038814	395038914	50.1	1.97	45.5	1.79
3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY	15	395033015	395033315	395033415	395033515	395033815	395033915	395038015	395038315	395038415	395038515	395038815	395038915	53.6	2.11	49.0	1.93
3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY	16	395033016	395033316	395033416	395033516	395033816	395033916	395038016	395038316	395038416	395038516	395038816	395038916	57.1	2.25	52.5	2.07
3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY	17	395033017	395033317	395033417	395033517	395033817	395033917	395038017	395038317	395038417	395038517	395038817	395038917	60.6	2.39	56.0	2.21
3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY	18	395033018	395033318	395033418	395033518	395033818	395033918	395038018	395038318	395038418	395038518	395038818	395038918	64.1	2.52	59.5	2.34
3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY	19	395033019	395033319	395033419	395033519	395033819	395033919	395038019	395038319	395038419	395038519	395038819	395038919	67.6	2.66	63.0	2.48
3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY	20	395033020	395033320	395033420	395033520	395033820	395033920	395038020	395038320	395038420	395038520	395038820	395038920	71.1	2.80	66.5	2.62

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FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
 DIMENSION UNITS: MM/INCH SCALE: 1:1 GENERAL TOLERANCES (UNLESS SPECIFIED): 4 PLACES ± --- ± --- 3 PLACES ± --- ± SEE CHART 2 PLACES ± SEE CHART ± SEE CHART 1 PLACE ± SEE CHART ± --- 0 PLACES ± --- ± --- DIVISIONAL SYMBOLS: ANGULAR TOL ± --- DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CURRENT REV DESC: UPDATED MATERIAL/PLATING NOTES FOR ITEMS 1-5 EC NO: 833839 DRWN: MARUTD 2025/08/29 CHK'D: DACHAMMER 2025/09/10 APPR: HKNEELAND 2025/09/15 INITIAL REVISION: DRWN: CYORK 2006/03/23 APPR: RDEROSS 2006/03/24 THIRD ANGLE PROJECTION DRAWING: B-SIZE SERIES: 39503	 3.50MM, EURO PLUG, VERTICAL, FRONT WIRE ENTRY PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: SD-39503-001 DOC TYPE: PSD DOC PART: 001 REVISION: E MATERIAL NUMBER: SEE CHART CUSTOMER: GENERAL MARKET SHEET NUMBER: 2 OF 2