

10	9		8	7
NUMBER OF CIRCUITS "XX"	MATERIAL NO.	ENG. NO	DIM "A"	DIM "B"
02	397630102	MX007-1-02-1-3	7.70 [.303]	3.50 [.138]
03	397630103	MX007-1-03-1-3	11.20 [.441]	7.00 [.276]
04	397630104	MX007-1-04-1-3	14.70 [.579]	10.50 [.413]
05	397630105	MX007-1-05-1-3	18.20 [.717]	14.00 [.551]
06	397630106	MX007-1-06-1-3	21.70 [.854]	17.50 [.689]
07	397630107	MX007-1-07-1-3	25.20 [.992]	21.00 [.827]
08	397630108	MX007-1-08-1-3	28.70 [1.130]	24.50 [.965]
09	397630109	MX007-1-09-1-3	32.20 [1.268]	28.00 [1.102]
10	397630110	MX007-1-10-1-3	35.70 [1.406]	31.50 [1.240]
11	397630111	MX007-1-11-1-3	39.20 [1.543]	35.00 [1.378]
12	397630112	MX007-1-12-1-3	42.70 [1.681]	38.50 [1.516]
13	397630113	MX007-1-13-1-3	46.20 [1.819]	42.00 [1.654]
14	397630114	MX007-1-14-1-3	49.70 [1.957]	45.50 [1.791]
15	397630115	MX007-1-15-1-3	53.20 [2.094]	49.00 [1.929]
16	397630116	MX007-1-16-1-3	56.70 [2.232]	52.50 [2.067]
17	397630117	MX007-1-17-1-3	60.20 [2.370]	56.00 [2.205]
18	397630118	MX007-1-18-1-3	63.70 [2.508]	59.50 [2.343]
19	397630119	MX007-1-19-1-3	67.20 [2.646]	63.00 [2.480]
20	397630120	MX007-1-20-1-3	70.70 [2.783]	66.50 [2.618]

SPECIFICATIONS:

1. MATERIAL:

A. HOUSING, COVER AND LEVER: PA66 UL 94-V0

B. TERMINAL: COPPER ALLOY, TIN PLATED

C. SPRING COIL: STAINLESS STEEL
2. MAX. RATING: 150V, 8A
3. INSULATION WITHSTAND VOLTAGE: AC1600V/1 MIN.
4. INSULATION RESISTANCE: 500MΩ AT DC500V
5. TEMPERATURE RANGE: -40°C TO +105°C
6. WIRE RANGE: 16 TO 24 AWG PER UL
7. WIRE STRIP LENGTH: 10.0mm (0.39")
8. NOTE: ALL ELECTRICAL AND MECHANICAL SPECIFICATIONS PER UL 1059 AS NOTED IN MOLEX AGENCY APPROVAL FILE NO. E48521

ENGINEERING NUMBER LEGEND

MX007-X-XX-X-X

HOUSING COLOR

NO. OF ROWS

NO. OF CIRCUITS

STYLE

ENG. SERIES

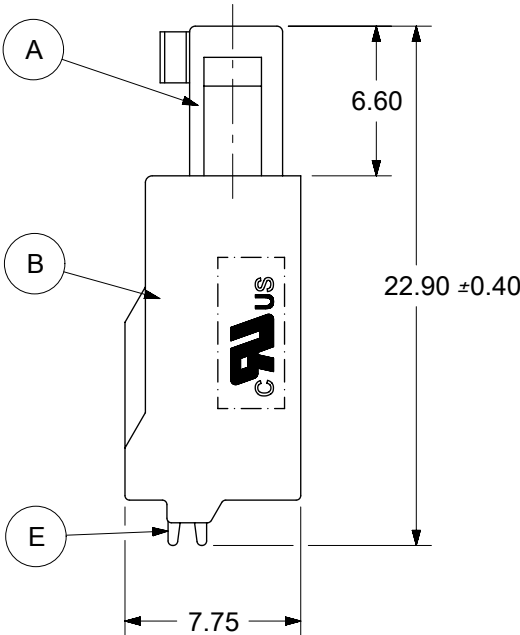
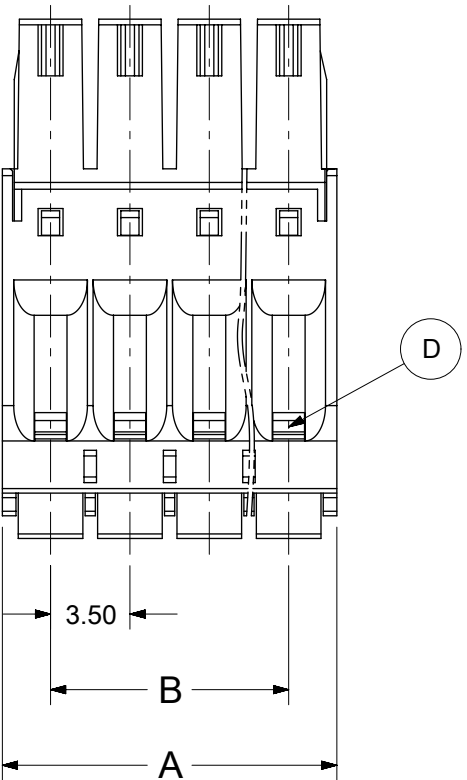
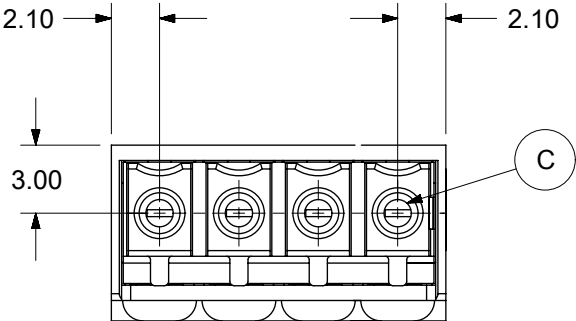
STYLE
1 = SPRING TYPE
2 = RISING CAGE TYPE

NO. OF ROWS
1 = 1 ROW
2 = 2 ROWS

HOUSING COLOR
1 = BLACK 2 = RED
3 = GREEN

Total Pitch Tolerances in mm									Nominal dimension range in mm								
over	over	over	over	over	over	over	over	over	over	over	over	over	over	over	over	over	over
0	30	53	70	90	115	150	200	250	0	30	53	70	90	115	150	200	250
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
30	53	70	90	115	150	200	250	320	30	53	70	90	115	150	200	250	320
±0.18	±0.20	±0.25	±0.30	±0.35	±0.44	±0.55	±0.70	±0.75	±0.20	±0.25	±0.30	±0.35	±0.44	±0.55	±0.70	±0.80	±0.90
DOCUMENT STATUS	P1	RELEASE DATE	2019/02/06	00:16:22													

SIDE RETENTION FEATURE
FOR 2 TO 7 CIRCUITS
VERSIONS ONLY



SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
<div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div>	DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: 609416 DRWN: ABENJAMINLW 2018/12/11 CHK'D: MBRZOWSKI 2018/12/19 APPR: JFMURPHY 2019/02/06 INITIAL REVISION: DRWN: ABENJAMINLW 2018/12/11 APPR: JFMURPHY 2019/02/06				molex SINGLE ROW SPRING TYPE PLUG, 3.50MM PITCH, 8A						
	mm														
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
	ANGULAR TOL ±														
	4 PLACES		±						PRODUCT CUSTOMER DRAWING						
	3 PLACES		±												
	2 PLACES		± SEE CHART												
	1 PLACE		±		DOCUMENT NUMBER 397630102				DOC TYPE	DOC PART	REVISION				
	0 PLACES		±						PSD	000	A				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
						B-SIZE		39763		397630102		GENERAL MARKET		1 OF 1	

Mouser Electronics

Authorized Distributor

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