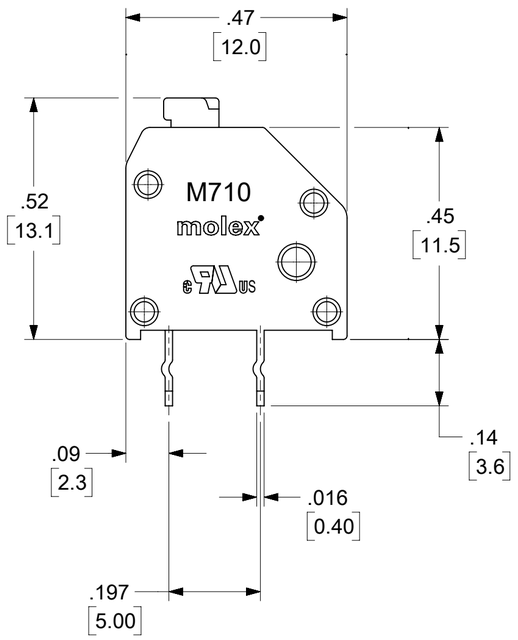
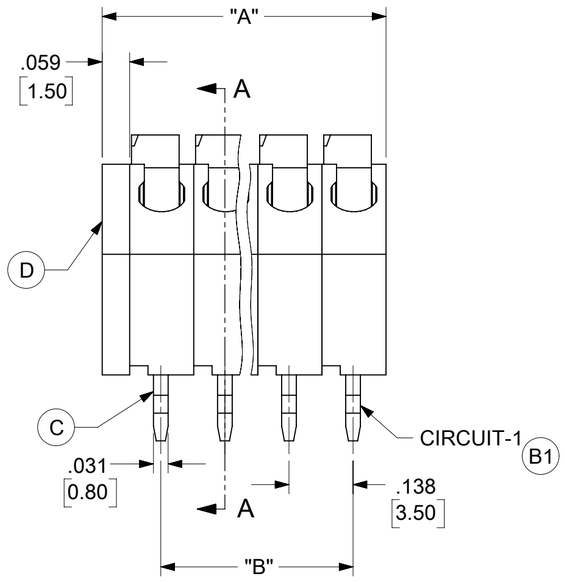
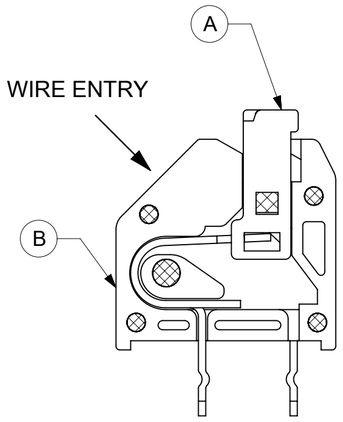
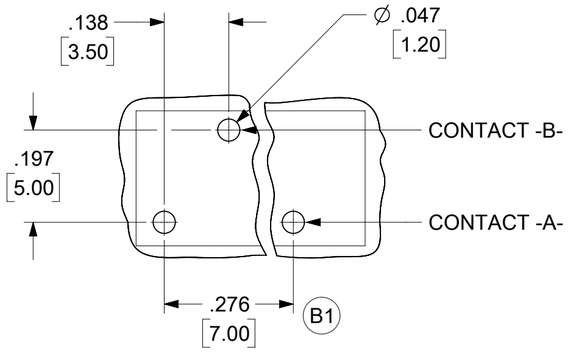
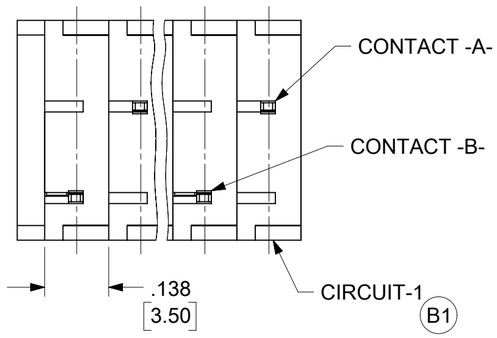






SECTION A-A

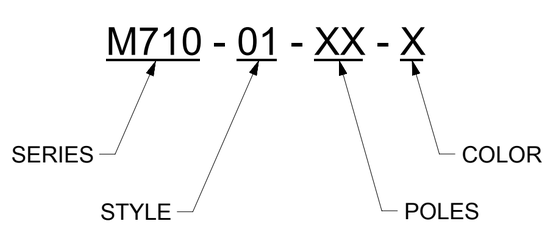




PCB LAYOUT

PART NUMBER DATA							
CIRCUITS	PART NUMBER	ENGINEERING NUMBER	COLOR	DIM. "A"		DIM. "B"	
				IN	mm	IN	mm
2	397007502	M710-01-02-9	LT GRAY	.33	8.5	.138	3.50
3	397007503	M710-01-03-9	LT GRAY	.47	12.0	.276	7.00
4	397007504	M710-01-04-9	LT GRAY	.61	15.5	.413	10.50
5	397007505	M710-01-05-9	LT GRAY	.75	19.0	.551	14.00
6	397007506	M710-01-06-9	LT GRAY	.89	22.5	.689	17.50
7	397007507	M710-01-07-9	LT GRAY	1.02	26.0	.827	21.00
8	397007508	M710-01-08-9	LT GRAY	1.16	29.5	.965	24.50
9	397007509	M710-01-09-9	LT GRAY	1.30	33.0	1.102	28.00
10	397007510	M710-01-10-9	LT GRAY	1.44	36.5	1.240	31.50
11	397007511	M710-01-11-9	LT GRAY	1.58	40.0	1.378	35.00
12	397007512	M710-01-12-9	LT GRAY	1.71	43.5	1.516	38.50
13				1.85	47.0	1.653	42.00
14				1.99	50.5	1.791	45.50
15				2.13	54.0	1.929	49.00
16				2.27	57.5	2.067	52.50
17				2.40	61.0	2.205	56.00
18				2.54	64.5	2.342	59.50
19				2.68	68.0	2.480	63.00
20				2.82	71.5	2.618	66.50
21				2.95	75.0	2.756	70.00
22				3.09	78.6	2.894	73.50
23				3.23	82.1	3.031	77.00
24				3.37	85.6	3.169	80.50

ENGINEERING NUMBER LEGEND



SPECIFICATIONS:

1. MATERIAL:
   - A. BUTTON: PA66 UL94 V-0
   - B. BODY : PA66 UL94 V-0
   - C. TERMINAL: PHOS-BRONZE, TIN PLATED
   - D. COVER: PA66 UL94 V-0
2. WIRE SIZE: 20 - 16AWG (SOLID)
3. ELECTRICAL RATING (UL): 300V, 5A
4. WIRE STRIP LENGTH: .31 (8.0mm)
5. POWER FREQUENCY WITHSTAND: AC 2000V FOR 1 MINUTE
6. INSULATION RESISTANCE: DC 500V, 500MΩ
7. RATED IMPULSE VOLTAGE: 2500V PLUS AND MINUS 5 TIMES EACH
8. OPERATING TEMPERATURE : -40°C TO +105°C
9. MAX. SOLDERING TEMP: 260°C (500°F) FOR 5 SECONDS
10. DIMS SHOWN ARE FOR REFERENCE ONLY

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

DOCUMENT STATUS	P1	RELEASE DATE	2021/08/09 16:55:46

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS: INCH/MM
SCALE: 4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± SEE CHART
2 PLACES	± SEE CHART	± SEE CHART
1 PLACE	± SEE CHART	± ---
0 PLACES	± ---	± ---
ANGULAR TOL	± ---	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: MIGRATED TO ECTR/NX.ADDED CIRCUIT-1 CALLOUT & MODIFIED PCB HOLE DIMENSION.

EC NO: 672197
DRWN: ABENJAMINLW 2021/06/03
CHK'D: DACHAMMER 2021/08/02
APPR: JFMURPHY 2021/08/09

INITIAL REVISION:
DRWN: RSTONE 2014/02/25
APPR: JFMURPHY 2014/08/02

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 39700

molex

SPRING TERMINAL BLOCK
.138 (3.50) PITCH 45 DEG
DUAL ROW MODULA

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-39700-012	PSD	001	B1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	1 OF 1

FORMAT: Eng-lega-master-tb-prod-C
REVISION: E
DATE: 2020/01/14