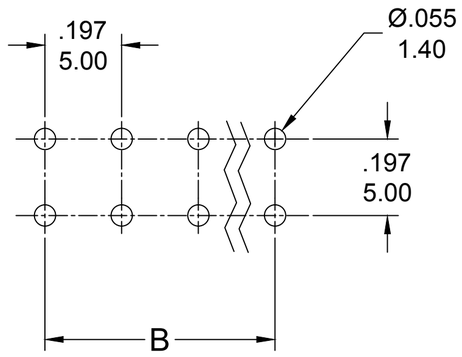
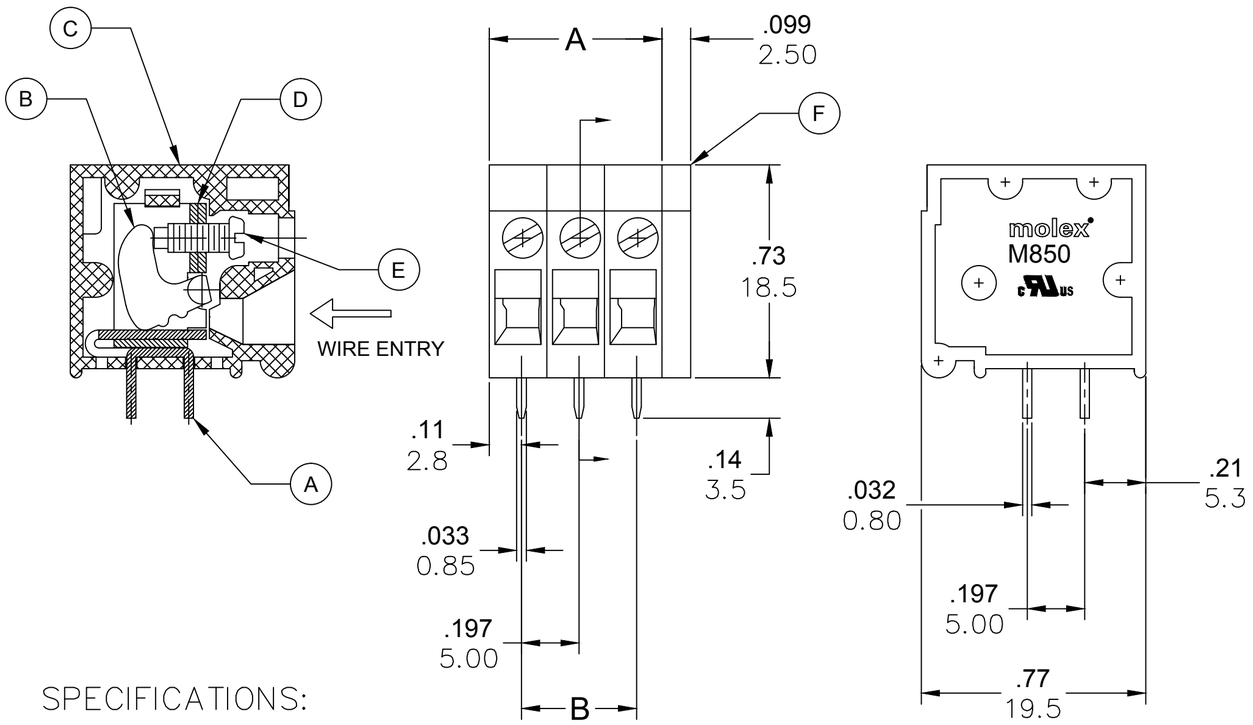


PCB LAYOUT

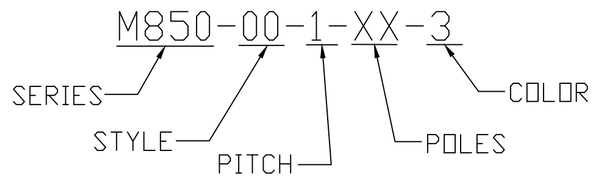


PART NUMBER DATA

CIRCUITS	PART NUMBER	ENGINEERING NUMBER	COLOR	A IN	mm	B IN	mm
1	397430001	M850-00-1-01-3	GREEN	.20	5.0	.000	.00
2	397430002	M850-00-1-02-3	GREEN	.39	10.0	.197	5.00
3	397430003	M850-00-1-03-3	GREEN	.59	15.0	.394	10.00
4	397430004	M850-00-1-04-3	GREEN	.79	20.0	.591	15.00
5	397430005	M850-00-1-05-3	GREEN	.98	25.0	.787	20.00
6	397430006	M850-00-1-06-3	GREEN	1.18	30.0	.984	25.00
7	397430007	M850-00-1-07-3	GREEN	1.38	35.0	1.181	30.00
8	397430008	M850-00-1-08-3	GREEN	1.57	40.0	1.378	35.00
9	397430009	M850-00-1-09-3	GREEN	1.77	45.0	1.575	40.00
10	397430010	M850-00-1-10-3	GREEN	1.97	50.0	1.772	45.00
11	397430011	M850-00-1-11-3	GREEN	2.17	55.0	1.969	50.00
12	397430012	M850-00-1-12-3	GREEN	2.36	60.0	2.165	55.00
13		M850-00-1-13-3	GREEN	2.56	65.0	2.362	60.00
14		M850-00-1-14-3	GREEN	2.76	70.0	2.559	65.00
15		M850-00-1-15-3	GREEN	2.95	75.0	2.756	70.00
16		M850-00-1-16-3	GREEN	3.15	80.0	2.953	75.00
17		M850-00-1-17-3	GREEN	3.35	85.0	3.150	80.00
18		M850-00-1-18-3	GREEN	3.54	90.0	3.346	85.00
19		M850-00-1-19-3	GREEN	3.74	95.0	3.543	90.00
20		M850-00-1-20-3	GREEN	3.94	100.0	3.740	95.00
21		M850-00-1-21-3	GREEN	4.13	105.0	3.937	100.00
22		M850-00-1-22-3	GREEN	4.33	110.0	4.134	105.00
23		M850-00-1-23-3	GREEN	4.53	115.0	4.331	110.00
24		M850-00-1-24-3	GREEN	4.72	120.0	4.528	115.00

REF. LAST 2 DIGITS OF PART NUMBER EQUAL CIRCUIT COUNT

ENGINEERING NUMBER LEGEND



CONTACT FACTORY FOR OPTIONAL COLORS

SPECIFICATIONS:

1. MATERIAL:
   - A. TERMINAL: BRASS, TIN PLATED
   - B. CAM: STEEL, ZINC PLATED
   - C. BODY: PA66, UL94 V-0
   - D. CAGE: STEEL, ZINC PLATED
   - E. SCREW: M2.5, STEEL, ZINC PLATED
   - F. COVER: PA66, UL94 V-0
2. RATING: 300V, 20A
3. MAX TORQUE: 4.5 LBF.IN
4. WIRE RANGE: 30-12 AWG
5. WIRE STRIP: .39 (10.0MM)
6. DIELECTRIC VOLTAGE WITHSTAND: AC 2500V FOR 1 MINUTE
7. INSULATION RESISTANCE: DC 500V, 500MΩ
8. RATED IMPULSE VOLTAGE: 4000V PLUS AND MINUS 5 TIMES EACH
9. OPERATING TEMPERATURE: -40°C TO +105°C
10. MAX SOLDERING TEMP: +260°C (500°F) FOR 5 SECONDS
11. 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

REVISED DOC TOL 4/6/17 ---
EC NO: IPG2017-0881 DRWN: ABENJAMI CH'KD: --- APPR: BRUPERT 2014/10/16
DESCRIPTION
REV
A1

QUALITY SYMBOL
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±---
2 PLACES	±---	±---
1 PLACE	±---	±---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY RSTONE DATE 2014/06/30
CHECKED BY G FARNSW DATE ----
APPROVED BY JFMURPHY DATE 2014/10/16

TITLE: TERM BLOCK, HORIZONTAL MODULAR, BOX 5.0MM

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-39743-001
SHEET NO.: 1 0F 1
SIZE: C

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