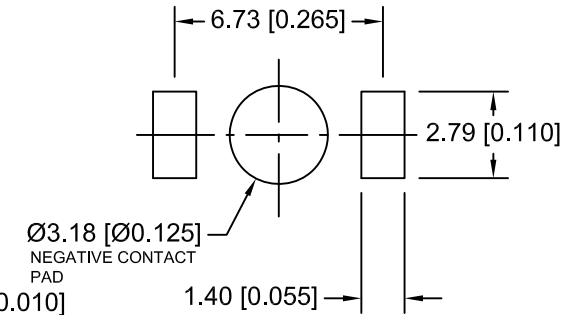
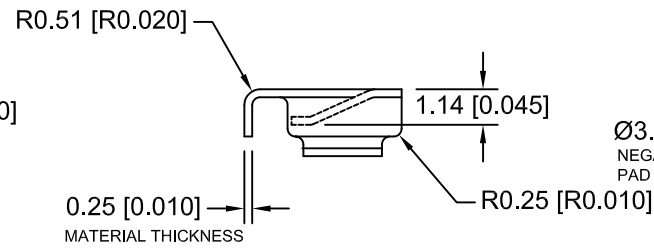
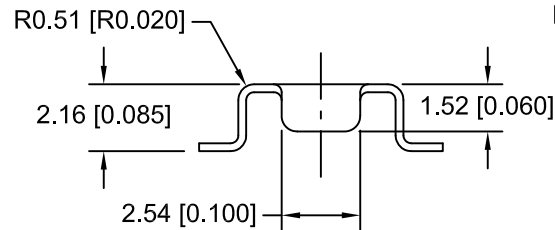
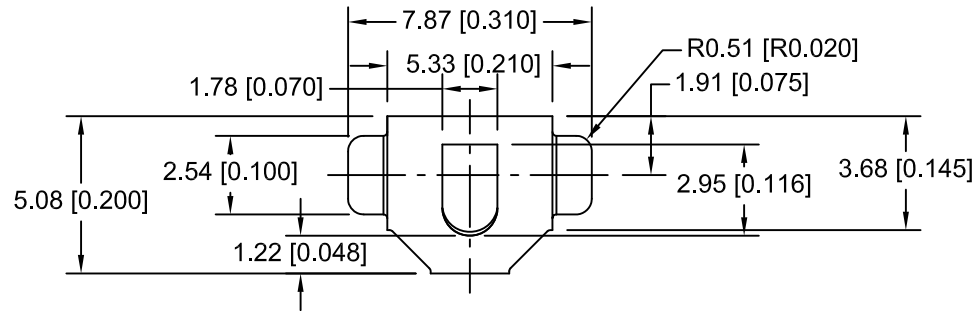


Date	SYM	REVISION RECORD	AUTH	DR.	CK.
5/22/09	A	ADDED TEST RESULTS	T.B.	B.S.	
09/09/11	B	ADDED PCB LAYOUT	T.B.	B.S.	
09/30/11	C	ADDED NEG. CONT. PAD	T.B.	B.S.	
03/07/14	D	UPDATED TO ROHS 2 COMPLIANT	T.B.	B.S.	



PCB LAYOUT

NOTES:

- MATERIAL:
0.25mm PHOSPHOR BRONZE 1/2H, NICKEL PLATED 40U"-120U"
TEMPERATURE RANGE: -40°C TO +270°C
* VIBRATION TEST: 10-50-10 HZ SWEEPED IN 60 SECONDS
X,Y,Z DIRECTION: 1 HOUR EACH DIRECTION
* RESULT: NO DISLODGE MENT OF THE CELL OR DAMAGE
NO DISCONTINUITY OVER 10 MICRO-SECONDS
* SHOCK TEST: HALF SINE WAVE ACCELERATION 150G, 6 MILLI-SECONDS
3 SHOCK PULSES EACH DIRECTION PER AXIS, TOTAL OF 18 PULSES
* RESULT: NO EVIDENCE OF PHYSICAL DAMAGE
* DROP TEST: DROPPED FROM 1M HIGH TO CONCRETE FLOOR
* RESULT: NO EVIDENCE OF PHYSICAL DAMAGE

ROHS 2 COMPLIANT

Tolerance (Except as noted)	 Memory Protection Devices, Inc 200 Broad Hollow Road, Farmingdale, New York 11735		
decimal ±.5 (.020)			Scale Drawn By B.S. Approved By T.B.
Fractional ± .8 (.030)	Title ML414 BATTERY CONTACT		
Angular ± 3°	Date 03/07/14	Drawing Number BK-414	

CELL SIZE	RETAINS BATTERY NUMBERS
4.8mm	ML414, MS412FE, MS414GE