

BILL OF MATERIALS		
RefDesc	Description	Qty
U1	NE555V	1
O1	ITE:28	1
Q2	MP3M42	1
Q3	ITE:197	1
Q4	ITE:291	1
R1	47K OHM, 1/4 WATT	1
R2, R4, R6	10K OHM, 1/4 WATT	3
R3	AS REQUIRED, SEE NOTE	1
R5	470 OHM, 1/4 WATT	1
R7	4.7K OHM, 1/4 WATT	1
C1	01uF	1
C2	AS REQUIRED, SEE NOTE	1
C3	680 PF	1
D1	IN914	1
D2, D3	1N4005	2

- NOTES:
1. DO NOT EXCEED VALVES MAXIMUM POWER RATING.
 2. V1 PULSE DURATION= 1.1 X R3 X C2. ADJUST VALUES AS REQUIRED TO OBTAIN DESIRED PULSE DURATION. FOR C2= 0.04 μ F, R3= 100k POT, SPIKE TIME RANGE IS .05-5.0 ms.
 3. ALL COMPONENTS AVAILABLE FOR ROHS COMPLIANCE.
 4. VCC RANGE RECOMMENDED = 4.5V TO 16 V.
 5. V1 = REQUIRED VALVE SPIKE VOLTAGE, V2 = REQUIRED VALVE HOLD VOLTAGE


-FMF-
The Lee Co.
Essex, CT

DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES (MM)

TOLERANCES:
XX ± .015 [.38]
XXX ± .005 [.13]
XXXX ± .001 [.025]
ANGLES ± 2°

DRAWN	TLC	09/06/12
CHKD	ATS	09/07/12
APPD	DJS	09/07/12

NOTES AND DIMENSIONS SHOWN
HEREON ARE FOR INSPECTION
IDENTIFICATION ONLY.
ALL MANUFACTURING RIGHTS
ARE RESERVED

TITLE	SCHEMATIC, LOW POWER CONSUMPTION DRIVER	
SIZE	 The Lee Company 55 Bokum Rd. Essex, Ct 06426	
DWG. NO.	REV	

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