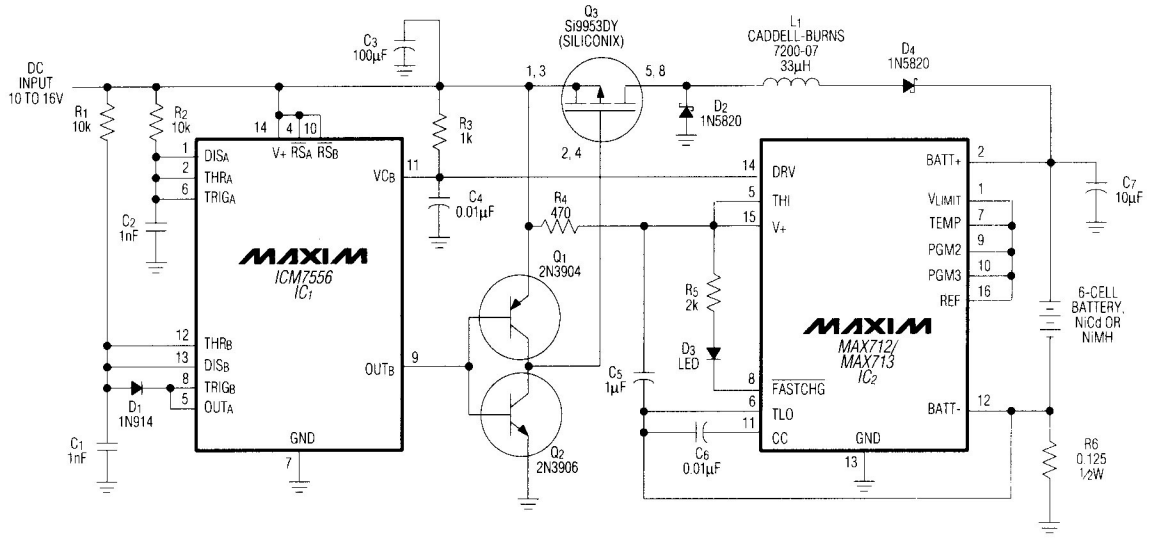
DC INPUT 10 TO 16V
R1 10k
R2 10k
C2 1nF
C1 1nF
D1 1N914
C3 100µF
R3 1k
C4 0.01µF
R4 470
Q1 2N3904
Q2 2N3906
Q3 Si9953DY (SILICONIX)
1, 3
2, 4
5, 8
D2 1N5820
L1 CADDELL-BURNS 7200-07 33µH
D4 1N5820
C5 1µF
C6 0.01µF
R5 2k
D3 LED
C7 10µF
6-CELL BATTERY, NiCd OR NiMH
R6 0.125 1/2W
14
4
10
V+
RSA
RSB
1
DISA
2
THRA
6
TRIGA
11
VCB
12
THRB
13
DISB
8
TRIGB
5
OUTA
9
OUTB
7
GND
MAXIM
ICM7556
IC1
14
DRV
5
THI
15
V+
8
FASTCHG
6
TLO
11
CC
13
GND
2
BATT+
1
VLIMIT
7
TEMP
9
PGM2
10
PGM3
16
REF
12
BATT-
MAXIM
MAX712/
MAX713
IC2