+3V - 15V

RESET
S1

0.1uF
C1

100K
R1

CD4060B

16
VDD

Q14 3

A1

12 R

11 Q1

4.7M Rs

10 Q0

620K Rt

100K

9 Q0

0.022uF
Ct

VSS

8

4148
D1

Freq.
Adj.

TEST POINT

Freq = 32.36Hz FOR 36 HOURS

AVERAGE CURRENT DRAIN = 30uA

+3V - 15V

16
VDD

10 CLK

Q9 12

A2

11 R

VSS

8

CD4020B

+3V - 15V

BUZZER

D

2N7000

G   Q1

S

FOR HIGHER CURRENT USE
IRF25N06S3L-03

$$Freq. = \frac{1}{2.2 R_t C_t}$$

$$R_s = 10 R_t$$

$$T\ OUT = 2.2 R_t C_t \times 2^{(N-1)}$$

N = NUMBER OF COUNTER STAGES

FOR 36 HOURS
T = 129,600 SEC