The Enigma Machine

REG
78L05
Vin   Vout
COM

+5V

BATTERY
9V

C1   10u

C2   10u

C1   C2   C3   C4   C5

R1   R2   R3   R5   R4
100R 100R 100R 100R 100R

C1   C2   C3   C4   C5

R1   R1
R2   R2
R3   R3
R4   R4
R5   R5
R6   R6
R7   R7

DISPLAY

C3
100n

+5V

PIC16F628
IC1

VSS   VDD

R5   RA0/AN0   RB0/INT   R1
R3   RA1/AN1   RB1/RX/DT   C4
C2   RA2/AN2/VREF   RB2/TX/CK   C3
C1   RA3/AN3/CMP1   RB3/CCP1   C5
     RA4/T0CKI/CMP2 RB4/PGM   R2
     RA5/MCLR/THV   RB5   R4

     RB6/T1OSO/T1CKI
     RB7/T1OSI

RA6/OSC2/CLKOUT   RA7/OSC1/CLKIN

R7
R6

CLOCK

+5V
6×   5
4×
2×   1
3

PS/2

DATA