



- For LCD display
 J4 pin No
- 16 LED_K Cathode
 - 15 LED_A Anode
 - 14 Data7(RB7)
 - 13 Data6(RB6)
 - 12 Data5(RB5)
 - 11 Data4(RB4)
 - 10 Data3(open)
 - 9 Data2(open)
 - 8 Data1(open)
 - 7 Data0(open)
 - 6 E(RB2)
 - 5 R/W(ground)
 - 4 RS(RB3)
 - 3 Vo(Contrast for LCD)
 - 2 Vdd(+5V)
 - 1 Vss(GND)

for RX
 for TX

for AC adaptor

J2 terminal
 for power switch

for 3.3V

RS232 female

R7
 10k 40%
 contrast

ICSP for ICD tool

RESET SW
 S1

SWITCH
 S2

PIC18 U1

PGM
 S3

RUN
 S4

LED
 J5

OFF
 ON

R6
 1k

D4
 LED1

X1

C4
 0.1uF

C5
 0.1uF

C6
 0.1uF

C7
 0.1uF

C8
 0.1uF

R4
 10k

R5
 10k

R6
 1k

R3
 240/1%

R1
 390/1%

R2
 330/1%

R7
 10k 40%

RA2

RA1

RA0

RA3

RA0

RA7

RA4

RA7

Vdd

RA5

RA6

Vdd

RA6

RA7

Vdd

RA7

RA0

Vdd

RB0

RB7

Vdd

RB1

RB6

Vdd

RB2

RB5

Vdd

RB3

RB4

Vdd

RB4

RB7

Vdd

RB5

RB6

Vdd

RB6

RB7

Vdd

RB7

RA0

Vdd

RA0

RA7

Vdd

RA1

RA6

Vdd

RA2

RA5

Vdd

RA3

RA4

Vdd

RA4

RA5

Vdd

RA5

RA6

Vdd

RA6

RA7

Vdd

RA7

RB0

Vdd

RB0

RB7

Vdd

RB1

RB6

Vdd

RB2

RB5

Vdd

RB3

RB4

Vdd