

```

;=====
; RESET 1|-----|20 VDD
; P3.0(RXD) 2| |19 P1.7
; P3.1(TXD) 3| |18 P1.6
; XT2 4| |17 P1.5
; XT1 5| |16 P1.4
; P3.2(INT0) 6| |15 P1.3
; P3.3(INT1) 7| |14 P1.2
; P3.4(T0) 8| |13 P1.1
; P3.5(T1) 9| |12 P1.0
; GND 10|-----|11 P3.7
;=====
        SDA BIT P3.5
        SCL BIT P3.3
        RUNNING BIT 02H
        INTTEMP1 BIT 04H
        INTTEMP2 BIT 06H
        NUM BIT 5BH
        ORG 0000H
        AJMP MAIN
;=====
MAIN:          lcall wait
              CLR RUNNING
              ;MOV INTTEMP1,000H
              ;MOV INTTEMP2,000H
              SETB EA
              SETB EX0
;=====INI=====
              MOV A,#74H
              LCALL IIC_START
              MOV A,#00H
              LCALL IIC_W
              MOV A,#0EH
              LCALL IIC_W
              MOV A,#40H
              LCALL IIC_W
              MOV A,#31H
              LCALL IIC_W
              MOV A,#05H
              LCALL IIC_W
              MOV A,#0AH
              LCALL IIC_W
              MOV A,#0FFH
              LCALL IIC_W
              MOV A,#09BH
              LCALL IIC_W

;=====WRITE DATE=====
DAT:          LCALL IIC_WDAT1
              MOV R1,#10
              MOV R2,#13H

DISALL1:     MOV A,R2
              LCALL IIC_W
              DJNZ R1,DISALL1
              LCALL IIC_WDAT2
              MOV R1,#10

```

```
MOV R2,#13H
DISALL2:  MOV A,R2
          LCALL IIC_W
          DJNZ R1,DISALL2
          LCALL WAIT
```

;

```
LCALL IIC_WDAT1
MOV R1,#10
MOV R2,#31H
```

```
FRAM1:   MOV A,R2
          LCALL IIC_W
          DJNZ R1,FRAM1
          LCALL IIC_WDAT2
          MOV R1,#10
          MOV R2,#31H
```

```
FRAM2:   MOV A,R2
          LCALL IIC_W
          DJNZ R1,FRAM2
          LCALL WAIT
```

;

```
LCALL IIC_WDAT1
MOV R1,#10
MOV R2,#47H
```

```
SHIZI1:  MOV A,R2 ; -|-
          LCALL IIC_W
          DJNZ R1,SHIZI1
          LCALL IIC_WDAT2
          MOV R1,#10
          MOV R2,#47H ; -|-
```

```
SHIZI2:  MOV A,R2
          LCALL IIC_W
          DJNZ R1,SHIZI2
          LCALL WAIT
```

;

```
LCALL IIC_WDAT1
MOV R1,#10
MOV R2,#78H
```

```
CROSS1:  MOV A,R2 ; -|-
          LCALL IIC_W
          DJNZ R1,CROSS1
          LCALL IIC_WDAT2
          MOV R1,#10
          MOV R2,#78H ; -|-
```

```
CROSS2:  MOV A,R2
          LCALL IIC_W
          DJNZ R1,CROSS2
          LCALL WAIT
```

```

; -----
-----
        LCALL IIC_WDAT1
        MOV R1,#10
        MOV R2,#0B1H

RETURN1:  MOV A,R2
          LCALL IIC_W
          INC R2
          DJNZ R1,RETURN1
          LCALL IIC_WDAT2
          MOV R1,#10
          MOV R2,#0C1H

RETURN12: MOV A,R2
          LCALL IIC_W
          INC R2
          DJNZ R1,RETURN12

; LCALL IIC_STOP

        LCALL WAIT
        AJMP DAT

; =====TIMING=====
IIC_START: SETB SDA
            SETB SCL
            NOP
            NOP
            CLR SDA
            NOP
            CLR SCL

IIC_W:          ACALL WRITE

IIC_ACK:       CLR C
            SETB SDA
            NOP
            SETB SCL
            ;MOV NUM,#200

ACKTEST:      JNB SDA,ACKEND
            ;DJNZ NUM,ACKTEST
            SETB C

ACKEND:       CLR SCL
            RET

WRITE:        ;MOV NUM,#8

WRITE0:       RLC A
            MOV SDA,C
            NOP
            NOP
            SETB SCL
            NOP
            NOP
            CLR SCL

```

```

        ;DJNZ NUM,WRITE0
        RLC A
        RET

IIC_STOP:  CLR SDA
           SETB SCL
           NOP
           NOP
           SETB SDA
           RET

; =====

INTSTEP:   ;MOV INTTEMP1, #01H
           ;MOV INTTEMP2, #00H
           RETI

; =====WAIT=====
WAIT:      MOV R4,#2H

WAIT1:     MOV R3,#0FFH

WAIT2:     MOV R2,#0FFH

WAIT3:     DJNZ R2,WAIT3
           DJNZ R3,WAIT2
           DJNZ R4,WAIT1
           ;MOV A,INTTEMP1
           CLR C
           CJNE A,#01H,WAITOVER
           ;MOV INTTEMP2,#01H

TEST:     ;MOV A, INTTEMP2
           CLR C
           CJNE A,#01H,WAITOVER
           AJMP TEST

WAITOVER:  RET

; =====
IIC_WDAT1: MOV A,#74H
           LCALL IIC_START
           MOV A,#00H
           LCALL IIC_W
           MOV A,#34H
           LCALL IIC_W
           MOV A,#80H
           LCALL IIC_W
           MOV A,#74H
           LCALL IIC_START
           MOV A,#40H
           LCALL IIC_W
           RET

IIC_WDAT2: MOV A,#74H
           LCALL IIC_START
           MOV A,#00H
           LCALL IIC_W
           MOV A,#34H

```

```
LCALL IIC_W
MOV A,#0C0H
LCALL IIC_W
MOV A,#74H
LCALL IIC_START
MOV A,#40H
LCALL IIC_W
RET
```

```
END
```