

18F4550

COM1

Code Explorer

Includes

Modedefs.Bas

ALLDIGITAL.pbj

Defines

OSC

I2C_SLOW

I2C_HOLD

LCD_DREG

LCD_DBIT

LCD_RSREG

LCD_RSBIT

LCD_RWREG

LCD_RWBIT

LCD_EREG

LCD_EBIT

LCD_BITS

LCD_LINES

LCD_COMMAND

LCD_DATAUS

Constants

srfdvce

Vthr

line1

line2

Variables

Digit1

Digit2

Digit3

mgltum1

mgltum2

BLINKV_tests

LCD_4Bit

ALLDIGITAL

```
102 'PORTC.7 (18) normally not connected.
103
104 '-----{ Declare Variables, Aliases & Constants }-----
105 ' Variables & Aliases for Pins other than RTC use
106 ' -----
107 Digit1 VAR BYTE ' Used to parse 3-digit integer into LCD characters
108 Digit2 VAR BYTE
109 Digit3 VAR BYTE
110 ext_pwr VAR PORTC.6
111 rng0 VAR w0.Byte0 ' Alias to control power to Ultrasonic sensor
112 rng1 VAR w0.Byte1 ' LSB of range measurement when right justified
113 rngNum1 VAR BYTE ' MSB of range measurement when right justified
114 rngNum2 VAR BYTE ' 1st numeral of rng0 for display on LCD as charact
115 rngNum3 VAR BYTE ' 2nd numeral of rng0 for display on LCD as charact
116 SCL VAR PORTB.1 ' 34d numeral of rng0 for display on LCD as charact
117 SDA VAR PORTB.0 ' I2C clock pin
118 Spare_1 VAR PORTB.7 ' I2C data pin
119 Spare_2 VAR PORTB.6 ' PGD for ICSP & Spare I/O for normal ops
120 w0 VAR WORD ' PGC for ICSP & Spare I/O for normal ops
121 ' W0 is the word value to store the range data
122 ' Constants
123 ' -----
124 srfdvce CON $E0 ' Device address for SRF02 ultrasonic range finder
125 Vthr CON 46 ' Threshold (3.3v) to trigger battery low voltage warn
126 ' ....this is dictated by the drop-out and output volta
127 ' of the voltage regulator used in the power circuit.
128
129 ' Initialize the display
130 PAUSE 500 ' Wait for LCD to startup after power on
131 GOSUB InitializedDisplay
```

ICD online...

2 MicroCode Studio

mikroElektronika - Pl...

Documents and Sett...

ICD & PGP && how t...

untitled - Paint

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...but no Variables Tab appears here??

Identifier	Dec	Hex	Bin
SPDATA	0	00	00000000
SPCFG	0	00	00000000
SPEPS	0	00	00000000
SPCON	0	00	00000000
UFRM	1	01	00000001
UFRML	1	01	00000001
UFRMH	0	00	00000000
UIR	0	00	00000000
UIE	0	00	00000000
UIER	0	00	00000000
UIEE	0	00	00000000
USTAT	8	08	00001000
UCON	32	20	00100000
UADDR	0	00	00000000
UCFG	0	00	00000000
UEP0	0	00	00000000
UEP1	0	00	00000000
UEP2	0	00	00000000
UEP3	0	00	00000000
UEP4	0	00	00000000
UEP5	0	00	00000000
UEP6	0	00	00000000
UEP7	0	00	00000000
UEP8	0	00	00000000
UEP9	0	00	00000000
UEP10	0	00	00000000
UEP11	0	00	00000000
UEP12	0	00	00000000
UEP13	0	00	00000000
UEP14	0	00	00000000