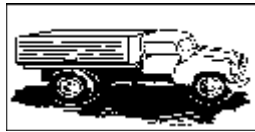
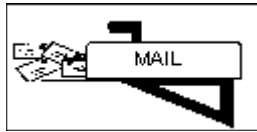
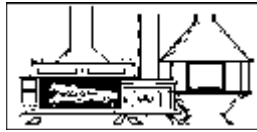
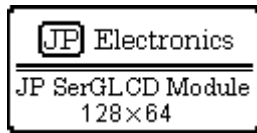


# JP SerGLCD 128x64 Module Full Size Image and Test Code

## Feb. 18, 2010



```

' File.....JP Serial GLCD 128x64 Module Test.BSP
' Purpose.....This test code use JP SerGLCD Module and BS2P
' Auther.....Jianping Sun
' Email.....JP@JianpingUSA.com
' WebSite....www.JianpingUSA.com
' Started.....Feb 18, 2010
' Updated.....

```

```

' {$STAMP BS2p}
' {$PBASIC 2.5}

```

```

SOUT    PIN    0      ' Serial output for GLCD
S_IN    PIN    1      ' Serial input for GLCD
I2CPin  PIN    8      ' I2C Input/Ouput pin.
EE_Adr  VAR    Word   ' EEPROM 24LC128 Address
idx     VAR    Word   ' For loop
ImageDat VAR    Byte  ' Pass data

```

```

#SELECT $STAMP
#CASE BS2, BS2E, BS2PE
  T1200  CON    813
  T2400  CON    396
  T4800  CON    188
  T9600  CON     84
  T19K2  CON    32
  T38K4  CON     6
#CASE BS2SX, BS2P
  T1200  CON   2063

```

```

T2400    CON    1021
T4800    CON    500
T9600    CON    240
T19K2    CON    110
T38K4    CON    45
#CASE BS2PX
T1200    CON    3313
T2400    CON    1646
T480     CON    813
T9600    CON    396
T19K2    CON    188
T38K4    CON    84
#ENDSELECT

Inverted  CON    $4000
Baud      CON    T9600 '+ Inverted

```

```

=====
'
          Main program
'
=====

```

```

Main:
  PAUSE 2000
  EE_Adr = 0
  GOSUB LoadImage_0 'Load Image Data to CGRam_0, Show image from CGRam_0
  PAUSE 100
  GOSUB LoadImage_1 'Load Image Data to CGRam_1, Show image from CGRam_1
  PAUSE 100
  GOSUB LoadImage_0 'Load Image Data to CGRam_0, Show image from CGRam_0
  PAUSE 100
  GOSUB LoadImage_1 'Load Image Data to CGRam_1, Show image from CGRam_1
  PAUSE 100
  GOSUB LoadImage_0 'Load Image Data to CGRam_0, Show image from CGRam_0
  PAUSE 100
  GOSUB LoadImage_1 'Load Image Data to CGRam_1, Show image from CGRam_1
  PAUSE 100
  GOSUB LoadImage_0 'Load Image Data to CGRam_0, Show image from CGRam_0
  PAUSE 100
  GOSUB LoadImage_1 'Load Image Data to CGRam_1, Show image from CGRam_1
  PAUSE 2000
  GOSUB ShowImage_0 'Show image from CGRam_0
  PAUSE 2000
  GOSUB ShowImage_1 'Show image from CGRam_1

```

```

END
'===== Load Image Data to CGRam_0 =====

```

```

LoadImage_0:
  SEROUT SOUT, Baud, [$41] ' Send Command to CGRam_0 for load picture
  SEROUT SOUT, Baud, [250]
  PAUSE 100
  FOR idx = 0 TO 1023
    I2CIN I2CPin, $A1, EE_Adr.BYTE1\EE_Adr.BYTE0,[ImageDat]
    SEROUT SOUT, Baud, [ImageDat]
    EE_Adr = EE_Adr + 1
  NEXT
  PAUSE 100

```

```

'----- Show Image from CGRam_0 -----
ShowImage_0:

```

```

    SEROUT SOUT, Baud, [$43] ' Send Command to CGRam_0 for show picture
    SEROUT SOUT, Baud, [250]
RETURN
'===== Load Image Data to CGRam_1 =====
LoadImage_1:
    SEROUT SOUT, Baud, [$42] ' Send Command to CGRam_1 for load picture
    SEROUT SOUT, Baud, [250]
    PAUSE 100
    FOR idx = 0 TO 1023
        I2CIN I2CPin, $A1, EE_Adr.BYTE1\EE_Adr.BYTE0,[ImageDat]
        SEROUT SOUT, Baud, [ImageDat]
        EE_Adr = EE_Adr + 1
    NEXT
    PAUSE 100
'----- Show Image from CGRam_1 -----
ShowImage_1:
    SEROUT SOUT, Baud, [$44] ' Send Command to CGRam_1 for show picture
    SEROUT SOUT, Baud, [250]
RETURN

```