

SAMPLE PROGRAMS

Here are sample programs to help get started with the following modules:

G1213 = 128 x 32
 G1216 = 128 x 64
 G191C = 192 x 128
 G242C = 240 x 128
 G321D = 320 x 200
 G321E = 320 x 240
 G324E = 320 x 240

For additional programming information, contact the LCD application engineering department at 310-517-7770, fax 310-517-7792.

PROGRAM FOR G1213 LCD MODULE

'SUBROUTINE FOR COMMAND CONTROL

DECLARE SUB FUNC1 ()

'SUBROUTINE FOR DATA CONTROL

DECLARE SUB FUNC2 ()

OUT PORT1,&3FH 'DISPLAY ON COMMAND
 FUNC1
 OUT PORT1,&88H 'SET THE PAGE (X-ADDRESS) TO 0
 FUNC1
 OUT PORT1,&40H 'SET Y-ADDRESS TO 0
 FUNC1
 OUT PORT1,&COH 'SET Z-ADDRESS TO 0
 FUNC1

PAGE = &B8H
 FOR I = 1 TO 4

FOR J = 1 TO 64 '64 BYTES OF DATA TO BE READ
 READ CODE
 OUT PORT1, CODE 'SHOW THE DATA ON THE SCREEN
 FUNC2
 NEXT J

PAGE = PAGE + 1
 OUT PORT1, PAGE 'SET THE PAGE TO NEXT ONE
 FUNC1
 OUT PORT1, &40H 'SET Y ADDRESS TO 0
 FUNC1
 NEXT 1

SUB FUNC1 'COMMAND CONTROL
 OUT PORT2,2 'WRITING TO COMMAND REGISTER
 OUT PORT2,3
 OUT PORT2,2
 END SUB

SUB FUNC2 'DATA CONTROL
 OUT PORT2,0 'WRITING TO DATA REGISTER
 OUT PORT2,1
 OUT PORT2,0
 END SUB

DATA 3EH,7FH,71H,59H,4DH,7FH,3EH,00H 'CHARACTER 0
 DATA 40H,42H,7FH,7FH,40H,40H,00H,00H 'CHARACTER 1
 DATA 62H,73H,59H,49H,6FH,66H,00H,00H 'CHARACTER 2
 DATA 22H,63H,49H,49H,7FH,36H,00H,00H 'CHARACTER 3
 DATA 18H,1CH,16H,53H,7FH,7FH,50H,00H 'CHARACTER 4
 DATA 27H,67H,45H,45H,7DH,39H,00H,00H 'CHARACTER 5
 DATA 3CH,7EH,4BH,49H,79H,30H,00H,00H 'CHARACTER 6
 DATA 03H,03H,71H,79H,0FH,07H,00H,00H 'CHARACTER 7
 DATA 36H,7FH,49H,49H,7FH,36H,00H,00H 'CHARACTER 8
 DATA 06H,4FH,49H,69H,3FH, EH,00H,00H 'CHARACTER 9
 DATA 7CH,7EH,13H, 13H,7EH,7CH,00H,00H 'CHARACTER A
 DATA 41H,7FH,7FH,49H,49H,7FH,36H,00H 'CHARACTER B
 DATA 1CH,3EH,63H,41H,41H,63H,22H,00H 'CHARACTER C
 DATA 41H,7FH,7FH,41H,63H,3EH,1CH,00H 'CHARACTER D
 DATA 41H,7FH,7FH,49H,5DH,41H,63H,00H 'CHARACTER E
 DATA 41H,7FH,7FH,49H,1DH,0IH,03H,00H 'CHARACTER F
 DATA 1CH,3EH,63H,41H,51H,73H,72H,00H 'CHARACTER G
 DATA 7FH,7FH,08H,08H,7FH,7FH,00H,00H 'CHARACTER H
 DATA 00H,41 H,7FH,7FH,41H,00H,00H,00H 'CHARACTER I
 DATA 30H,70H,40H,41H,7FH,3FH,01 H,00H 'CHARACTER J
 DATA 41H,7FH,7FH,08H,1CH,77H,63H,00H 'CHARACTER K
 DATA 41H,7FH,7FH,41H,40H,60H,70H,00H 'CHARACTER L
 DATA 7FH,7FH,0EH,1CH,0EH,7FH,7FH,00H 'CHARACTER M
 DATA 7FH,7FH,06H,0CH,18H,7FH,7FH,00H 'CHARACTER N
 DATA 1CH,3EH,63H,41H,63H,3EH,1CH,00H 'CHARACTER O
 DATA 41H,7FH,7FH,49H,09H,0FH,06H,00H 'CHARACTER P
 DATA 1EH,3FH,21H,71H,7FH,5EH,00H,00H 'CHARACTER Q
 DATA 41H,7FH,7FH,09H,19H,7FH,66H,00H 'CHARACTER R
 DATA 26H,6FH,4DH,59H,73H,32H,00H,00H 'CHARACTER S
 DATA 03H,41H,7FH,7FH,41H,03H,00H,00H 'CHARACTER T
 DATA 3FH,7FH,40H,40H,7FH,3FH,00H,00H 'CHARACTER U
 DATA 1FH,3FH,60H,60H,3FH,1FH,00H,00H 'CHARACTER V
 DATA 7FH,7FH,30H,18H,30H,7FH,7FH,00H 'CHARACTER W
 DATA 43H,67H,3CH,18H,3CH,67H,43H,00H 'CHARACTER X
 DATA 07H,4FH,78H,78H,4FH,07H,00H,00H 'CHARACTER Y
 DATA 47H,63H,71H,59H,4DH,67H,73H,00H 'CHARACTER Z