

The diagram illustrates the connection between an LCD module and a microcontroller. The LCD module (LCD1) has pins for data (DB0-DB7, DB10-DB15), control (CS, RS, RW, IM0, IM1, IM2, RST), and power (VCC, GND, VCC2, GND2). The microcontroller has pins for LCD control (LCD_CS, WR, RD, NR, VD, XU, YU), a reset pin (R6), and a backlight control pin (BL_CTRL). A PMBT2222 LED driver is connected to the BL_CTRL pin and the R6 pin. The power supply section shows a 5V input connected to a 3V3 output through a network of capacitors (C10, C11, C12, C13).

Pin diagram of the MOD module:

Pin	Signal	Pin	Signal
1	MOD_RST	9	MOD_IN
2	MOD_MOSI	10	MOD_OUT
3	MOD_SCLK	11	3V3
4	MOD_CS	12	5V
5	MOD_IO	13	3V3
6	MOD_MISO	14	5V
7	MOD_RX	15	3V3
8	MOD_TX	16	5V

Bottom of module: 3V3 MOD CON

U3B

[P0]ENET_TXD0
[P1]ENET_TXD1
[P4]ENET_TXD_EN
[P10]ENET_CLKS
[P11]ENET_RXD0
[P14]ENET_RXD1
[P15]ENET_REF_CLK

[P0]R01
[P1]R02
[P2]R03
[P3]R04
[P4]R05
[P5]R06
[P6]R07
[P7]R08
[P8]R09
[P9]R10
[P10]R11
[P11]R12
[P12]R13
[P13]R14
[P14]R15
[P15]R16

[P0]R17
[P1]R18
[P2]R19
[P3]R20
[P4]R21
[P5]R22
[P6]R23
[P7]R24
[P8]R25
[P9]R26
[P10]R27
[P11]R28
[P12]R29
[P13]R30
[P14]R31
[P15]R32

[P0]R33
[P1]R34
[P2]R35
[P3]R36
[P4]R37
[P5]R38
[P6]R39
[P7]R40
[P8]R41
[P9]R42
[P10]R43
[P11]R44
[P12]R45
[P13]R46
[P14]R47
[P15]R48

[P0]R49
[P1]R50
[P2]R51
[P3]R52
[P4]R53
[P5]R54
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[P0]R65
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[P9]R106
[P10]R107
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[P12]R109
[P13]R110
[P14]R111
[P15]R112

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[illegible]

Blue Screen Schematic