University Of Texas At Austin

Schematic Name: EK-TM4C123GXL LCD interface

Name(s):   Valvano and Valvano

Date: May 15, 2015   Semester:

U1g
BoosterPack
QIP

5V	21	+5V
3.3V	1	
Gnd	20	
Gnd	22	
Reset	16	Gnd

U1d
BoosterPack
QIP

PD7	32
PD6	33
PD3	26
PD2	25
PD1	24
PD0	23

U1e
BoosterPack
QIP

PE5	6
PE4	5
PE3	29
PE2	28
PE1	27
PE0	18

U1f
BoosterPack
QIP

PF4	31
PF3	39
PF2	40
PF1	30
PF0	17

U2
HD44780

Vss	1
Vdd	2
Vlc	3
RS	PA6 4
R/W	PA7 5
E	6
DB0	PB0 7
DB1	PB1 8
DB2	PB2 9
DB3	PB3 10
DB4	PB4 11
DB5	PB5 12
DB6	PB6 13
DB7	PB7 14

+5V
C1
0.1uF
Gnd

R1
10K

U1a
BoosterPack
QIP

PA7	10
PA6	9
PA5	8
PA4	13
PA3	12
PA2	11

U1b
BoosterPack
QIP

PB7	15
PB6	14
PB5	2
PB4	7
PB3	38
PB2	19
PB1	4
PB0	3

U1c
BoosterPack
QIP

PC7	34
PC6	35
PC5	36
PC4	37

A1
frame