VDD

R1
3K9/0.25W

R2
470R/0.25W

J1
VSS	1
VDD	2
VEE	3
RS	4
R/W	5
EN	6
D0	7
D1	8
D2	9
D3	10
D4	11
D5	12
D6	13
D7	14
A	15
K	16

LCD DISPLAY

RS
EN

D4
D5
D6
D7

R5
4R7/0.5W

VDD

Display
HD44780
con: 1x16

MF1
IRF530N

R6
270R/0.25W

VDD
R3
3K3/0.25W
JP1
Spare

VDD
R4
3K3/0.25W
JP2
I2C select

U1
D6	1	RA2/AN2	RA1/AN1	18	D5
D7	2	RA3/AN3	RA0/AN0	17	D4
	3	RA4/AN4	RA7/OSC1/CLKI	16	EN
	4	RA5/MCLR	RA6/OSC2/CLKO	15	RS
	5	Vss	Vdd	14	
	6	RB0/INT/CCP1	RB7/AN6/PGD	13	
	7	RB1/SDI/SDA	RB6/AN5/PGC	12	
	8	RB2/SDO/RX	RB5/SS/TX/CK	11	
	9	RB3/PGM/CCP1	RB4/SCK/SCL	10	

PIC16F88

VDD

VDD
C1
100nF

VDD
R7
3K3/0.25W

D1
1N4148

SW1
Reset

VDD
J3
VDD	1
MCLR	2
CLOCK	3
DATA	4
GND	5
nc	6

ICSP

VDD
J2
+5V	1
RxD	2
TxD	3
SDA	4
SCL	5
0V	6

Communication

Title
Serial/i2c lcd communication

Size	Document Number	Rev
A3	SERIAL DISPLAY HD44780 NO POWER 1X16.DSN	1

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