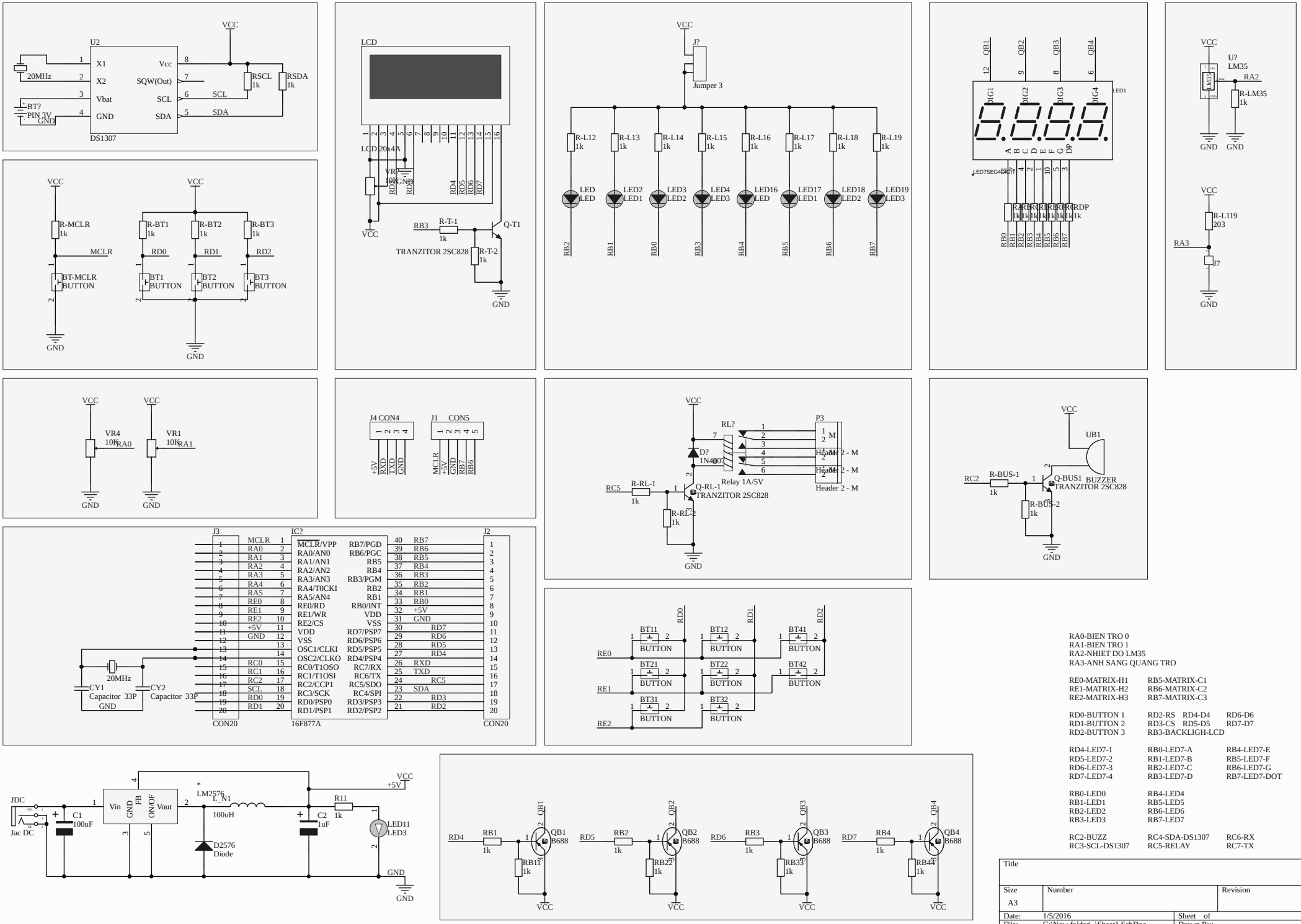
U2
DS1307
X1
X2
Vbat
GND
Vcc
SQW(Out)
SCL
SDA
20MHz
BT?
PIN 3V
RSCL 1k
RSDA 1k
VCC
LCD
LCD 20x4A
VR2 10k
RB3
R-T-1 1k
Q-T1
TRANZITOR 2SC828
R-T-2 1k
GND
R-MCLR 1k
MCLR
BT-MCLR BUTTON
R-BT1 1k
R-BT2 1k
R-BT3 1k
RD0
RD1
RD2
BT1 BUTTON
BT2 BUTTON
BT3 BUTTON
J?
Jumper 3
R-L12 1k
R-L13 1k
R-L14 1k
R-L15 1k
R-L16 1k
R-L17 1k
R-L18 1k
R-L19 1k
LED LED
LED2 LED1
LED3 LED2
LED4 LED3
LED16 LED
LED17 LED1
LED18 LED2
LED19 LED3
RB2
RB1
RB0
RB3
RB4
RB5
RB6
RB7
QB1
QB2
QB3
QB4
DIG1
DIG2
DIG3
DIG4
LED1
LED7SEG4
RDP
U? LM35
RA2
R-LM35 1k
R-L119 203
RA3
J7
VR4 10k
RA0
VR1 10k
RA1
J4 CON4
+5V
RXD
TXD
GND
J1 CON5
MCLR
+5V
GND
RB7
RB6
RL?
Relay 1A/5V
D? 1N4007
P3
Header 2 - M
RC5
R-RL-1 1k
Q-RL-1
TRANZITOR 2SC828
R-RL-2 1k
UB1
BUZZER
RC2
R-BUS-1 1k
Q-BUS1
TRANZITOR 2SC828
R-BUS-2 1k
J3
CON20
IC?
16F877A
J2
MCLR/VPP
RA0/AN0
RA1/AN1
RA2/AN2
RA3/AN3
RA4/T0CKI
RA5/AN4
RE0/RD
RE1/WR
RE2/CS
VDD
VSS
OSC1/CLKI
OSC2/CLKO
RC0/T1OSO
RC1/T1OSI
RC2/CCP1
RC3/SCK
RD0/PSP0
RD1/PSP1
RB7/PGD
RB6/PGC
RB5
RB4
RB3/PGM
RB2
RB1
RB0/INT
VDD
VSS
RD7/PSP7
RD6/PSP6
RD5/PSP5
RD4/PSP4
RC7/RX
RC6/TX
RC5/SDO
RC4/SPI
RD3/PSP3
RD2/PSP2
RXD
TXD
SDA
CY1 Capacitor 33P
CY2 Capacitor 33P
BT11
BT12
BT41
BT21
BT22
BT42
BT31
BT32
BUTTON
RE0
RE1
RE2
JDC
Jac DC
C1 100uF
Vin
GND
FB
ON/OF
Vout
LM2576
L_N1 100uH
D2576 Diode
C2 1uF
R11 1k
LED11 LED3
+5V
RB1 1k
RB11 1k
RB2 1k
RB22 1k
RB3 1k
RB33 1k
RB4 1k
RB44 1k
B688
RA0-BIEN TRO 0
RA1-BIEN TRO 1
RA2-NHIET DO LM35
RA3-ANH SANG QUANG TRO
RE0-MATRIX-H1
RE1-MATRIX-H2
RE2-MATRIX-H3
RB5-MATRIX-C1
RB6-MATRIX-C2
RB7-MATRIX-C3
RD0-BUTTON 1
RD1-BUTTON 2
RD2-BUTTON 3
RD2-RS
RD3-CS
RD4-D4
RD5-D5
RD6-D6
RD7-D7
RB3-BACKLIGH-LCD
RD4-LED7-1
RD5-LED7-2
RD6-LED7-3
RD7-LED7-4
RB0-LED7-A
RB1-LED7-B
RB2-LED7-C
RB3-LED7-D
RB4-LED7-E
RB5-LED7-F
RB6-LED7-G
RB7-LED7-DOT
RB0-LED0
RB1-LED1
RB2-LED2
RB3-LED3
RB4-LED4
RB5-LED5
RB6-LED6
RB7-LED7
RC2-BUZZ
RC3-SCL-DS1307
RC4-SDA-DS1307
RC5-RELAY
RC6-RX
RC7-TX
Title
Size
A3
Number
Revision
Date: 1/5/2016
File: G:\New folder\..\Sheet1.SchDoc
Sheet of
Drawn By: