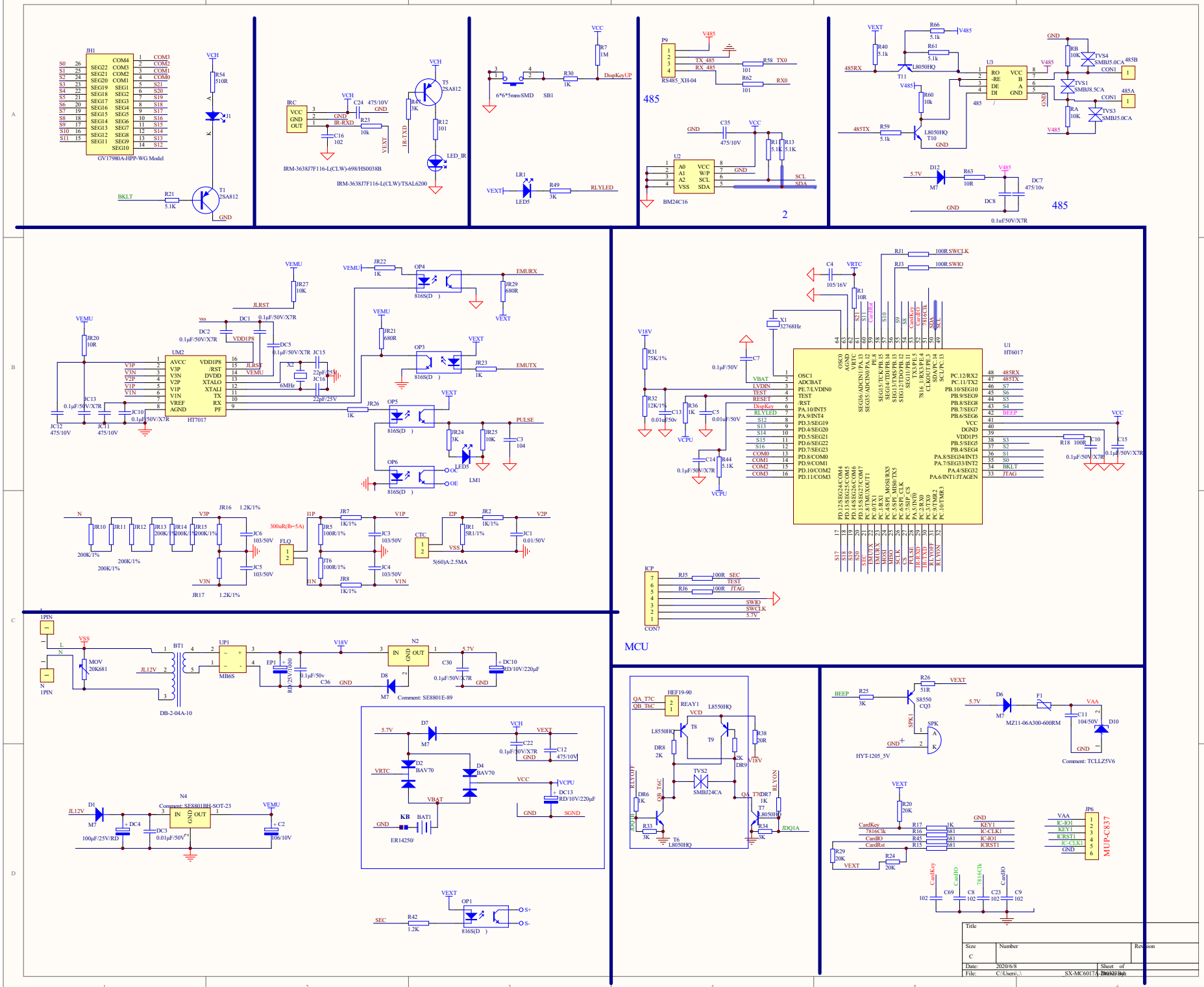
JH1
GV17980A-HPP-WG Model
VCH
R54 510R
J1
T1 2SA812
BKLT
R21 5.1K
GND
IRC
VCC GND OUT
C24 475/10V
R23 10k
C16 102
IRM-3638J7F116-L(CLW)-698/HS0038B
IRM-3638J7F116-L(CLW)/TSAL6200
T5 2SA812
R45 3K
R12 101
LED_IR
IR-TXD
VEXT
VCC
R7 1M
R30 1K
DispKeyUP
6*6*5mm-SMD
SB1
LR1
LED5
R49 3K
RLYLED
P9
RS485_XH-04
V485
TX_485
RX_485
R58 TX0
R62 101
RX0
485
C35 475/10V
R11 5.1K
R13 5.1K
U2
BM24C16
SCL
SDA
2
R66 5.1k
R61 5.1k
R40 5.1k
485RX
L8050HQ
T11
R60 10k
R59 5.1k
485TX
T10
U3
RO VCC
-RE B
DE A
DI GND
TVS4 SMBJ5.0CA
TVS1 SMBJ8.5CA
TVS3 SMBJ5.0CA
RB 10K
RA 10K
485B
485A
CON1
D12 M7
R63 10R
DC7 475/10v
DC8 0.1uf/50V/X7R
485
JR27 10K
JR22 1K
OP4
816S(D)
EMURX
JR29 680R
JR20 10R
UM2
HT7017
AVCC V3P V3N V2P V1P V1N VREF AGND
VDD1P8 /RST DVDD XTALO XTALI TX RX PF
JLRST
DC1 0.1μF/50V/X7R
DC2 0.1μF/50V/X7R
VDD1P8
DC5 0.1μF/50V/X7R
JC15 22pF/25V
X2 6MHz
JC16 22pF/25V
JC13 0.1μF/50V/X7R
JC10 0.1μF/50V/X7R
JC12 475/10V
JC11 475/10V
JR21 680R
OP3
JR23 1K
EMUTX
JR26 1K
OP5
JR24 3K
JR25 10K
PULSE
C3 104
LED5
OP6
LM1
OC
OE
JR10 200K/1%
JR11 200K/1%
JR12 200K/1%
JR13 200K/1%
JR14 200K/1%
JR15 200K/1%
JR16 1.2K/1%
JC6 103/50V
JC5 103/50V
JR17 1.2K/1%
FLQ 300uR(Ib=5A)
JR5 100R/1%
JR6 100R/1%
JR7 1K/1%
JR8 1K/1%
JC3 103/50V
JC4 103/50V
CTC 5(60)A-2.5MA
JR1 5R1/1%
JR2 1K/1%
JC1 0.01/50V
V18V
R31 75K/1%
R32 12K/1%
C13 0.01uF/50v
R36 1K
C5 0.01uF/50V
C14 0.1μF/50V/X7R
R44 5.1K
VCPU
C7 0.1μF/50V
X1 32768Hz
C4 105/16V
R1 10R
RJ1 100R SWCLK
RJ3 100R SWIO
U1 HT6017
OSC1 ADCBAT PE.7/LVDIN0 TEST /RST PA.10/INT5 PA.9/INT4 PD.3/SEG19 PD.4/SEG20 PD.5/SEG21 PD.6/SEG22 PD.7/SEG23 PD.8/COM0 PD.9/COM1 PD.10/COM2 PD.11/COM3
PC.12/RX2 PC.11/TX2 PB.10/SEG10 PB.9/SEG9 PB.8/SEG8 PB.7/SEG7 PB.6/SEG6 VCC DGND VDD1P5 PB.5/SEG5 PB.4/SEG4 PA.8/SEG34/INT3 PA.7/SEG33/INT2 PA.4/SEG32 PA.6/INT1/JTAGEN
485RX 485TX S7 S6 S5 S4 BEEP S3 S2 S1 S0 BKLT JTAG
R18 100R
C10 0.1μF/50V/X7R
C15 0.1μF/50V/X7R
ICP CON7
RJ5 100R SEC TEST
RJ6 100R JTAG
SWIO SWCLK 5.7V
MCU
1PIN
N
L
VSS
MOV 20K681
JL12V
BT1 DB-2-04A-10
UP1 MB6S
EP1 RD/25V/1000
0.1μF/50v C36
V18V
N2 IN GND OUT
D8 M7
Comment: SE8801E-89
C30 0.1μF/50V/X7R
DC10 RD/10V/220μF
5.7V
D7 M7
D2 BAV70
D4 BAV70
VRTC
VBAT
VCC
VCPU
C22 0.1μF/50V/X7R
C12 475/10V
DC13 RD/10V/220μF
GND
SGND
KB BAT1 ER14250/
D1 M7
JL12V
DC4 100μF/25V/RD
N4 IN GND OUT
Comment: SE8801BH-SOT-23
DC3 0.01μF/50V
VEMU
C2 106/10V
SEC
R42 1.2K
OP1
816S(D)
S+
S-
HEF19-90
QA_T7C QB_T6C
REAY1
VCD
L8550HQ
T8
T9
R38 20R
DR8 2K
DR9 2K
TVS2 SMBJ24CA
DR6 1K
DR7 1K
T7 L8050HQ
T6 L8050HQ
R33 3K
R34 3K
RLYOFF
RLYON
JDQ1A
BEEP
R25 3K
R26 51R
S8550 CQ3
SPK1
SPK
HYT-1205_5V
D6 M7
MZ11-06A300-600RM
F1
VAA
C11 104/50V
D10
Comment: TCLLZ5V6
R20 20K
CardKey
7816Clk
CardIO
CardRst
R17 1K
R16 681
R45 681
R15 681
KEY1
IC-CLK1
IC-IO1
ICRST1
R29 20K
R24 20K
C69 102
C8 102
C23 102
C9 102
JP6
VAA
IC-IO1
KEY1
IC-CLK1
ICRST1
GND
MUP-C837
Title
Size C
Number
Revision
Date: 2020/6/8
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