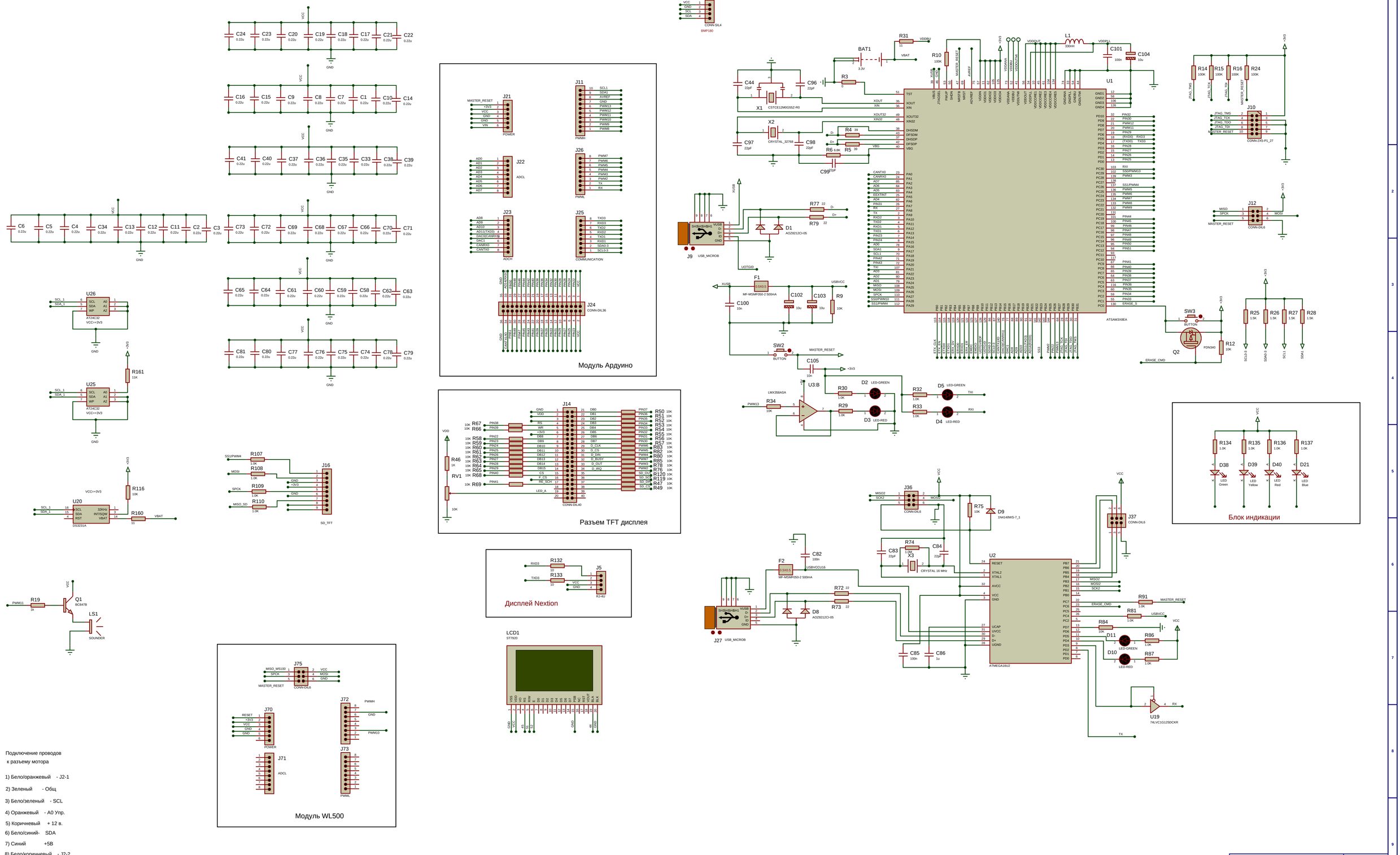
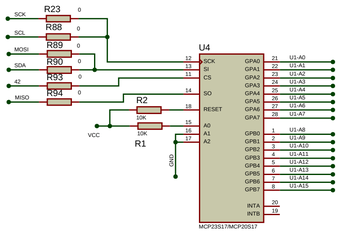
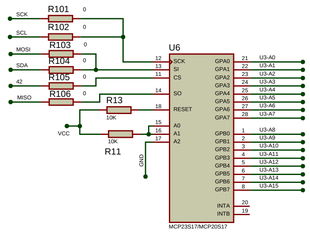
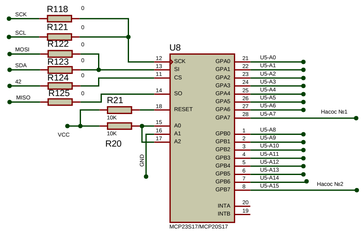

Модуль Ардуино
Разъем TFT дисплея
Дисплей Nextion
Модуль WL500
Блок индикации
Подключение проводов
к разъему мотора
1) Бело/оранжевый - J2-1
2) Зеленый - Общ
3) Бело/зеленый - SCL
4) Оранжевый - A0 Упр.
5) Коричневый + 12 в.
6) Бело/синий- SDA
7) Синий +5В
8) Бело/коричневый - J2-2
FILE NAME: ProteusGreenhouseDUE0_1.pcbprj
DESIGN TITLE: Теплица
PATH: D:\2 SVN Teplica\trunk\ProteusGreenhouseDUE0_1\ProteusGreenhouseDUE0_1\
BY: Моисейчук А.В.
REV: 1.1
DATE: 04.06.2017
TIME: 15:04:35
PAGE: 1 OF 1



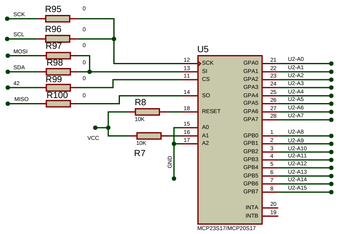
Модуль (адр1)



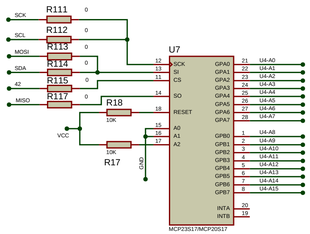
Датчик окно отрыто (адр3)



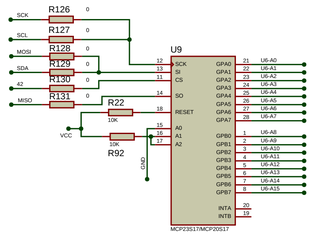
Управление поливом 14 каналов (адр5)



Модуль (адр2)

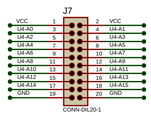


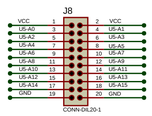
Датчик окно закрыто (адр4)

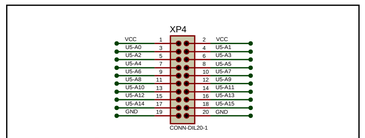


Разное (адр6)

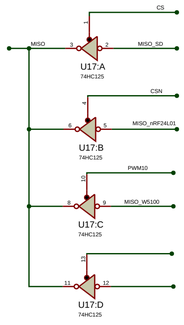
* Устанавливать резисторы управляющих сигналов(R18-R90) в зависимости от типа микросхем

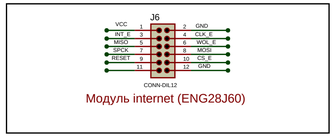




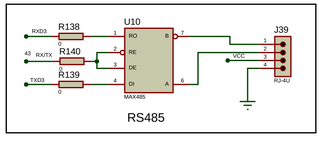


Разъем управления поливом

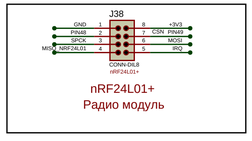




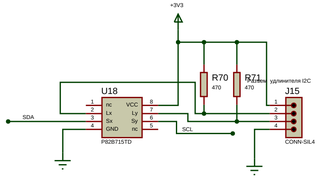
Модуль internet (ENG28J60)

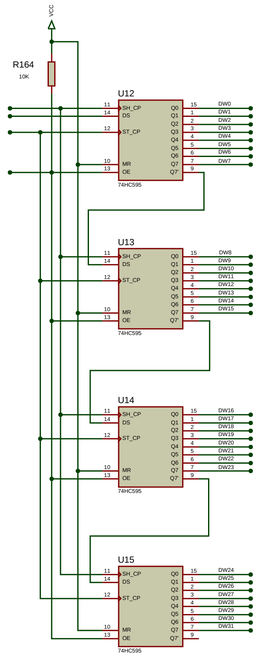


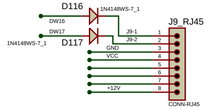
RS485

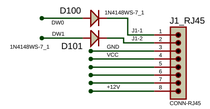


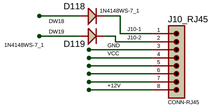
nRF24L01+
Радио модуль

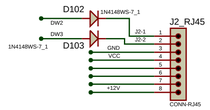


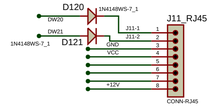


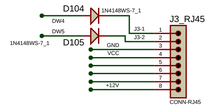


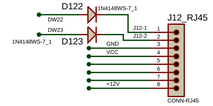


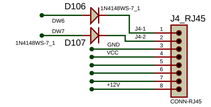


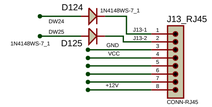


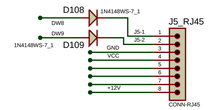


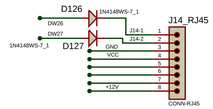


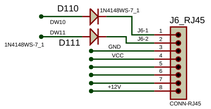


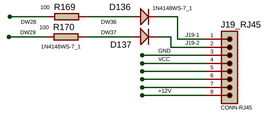


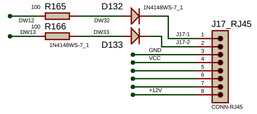


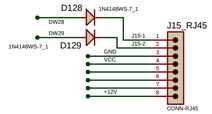


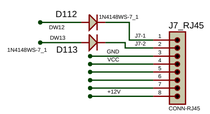


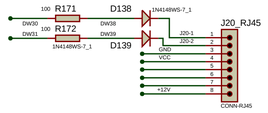


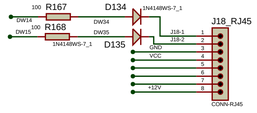


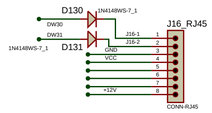


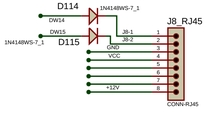


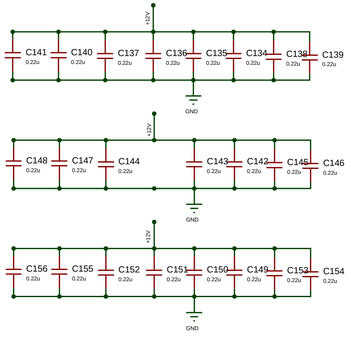


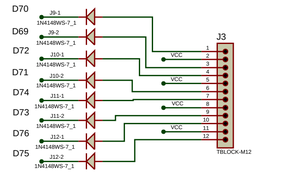


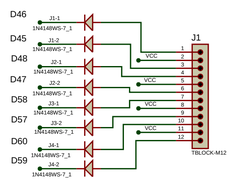


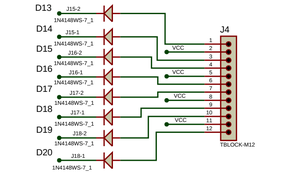


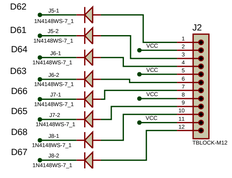


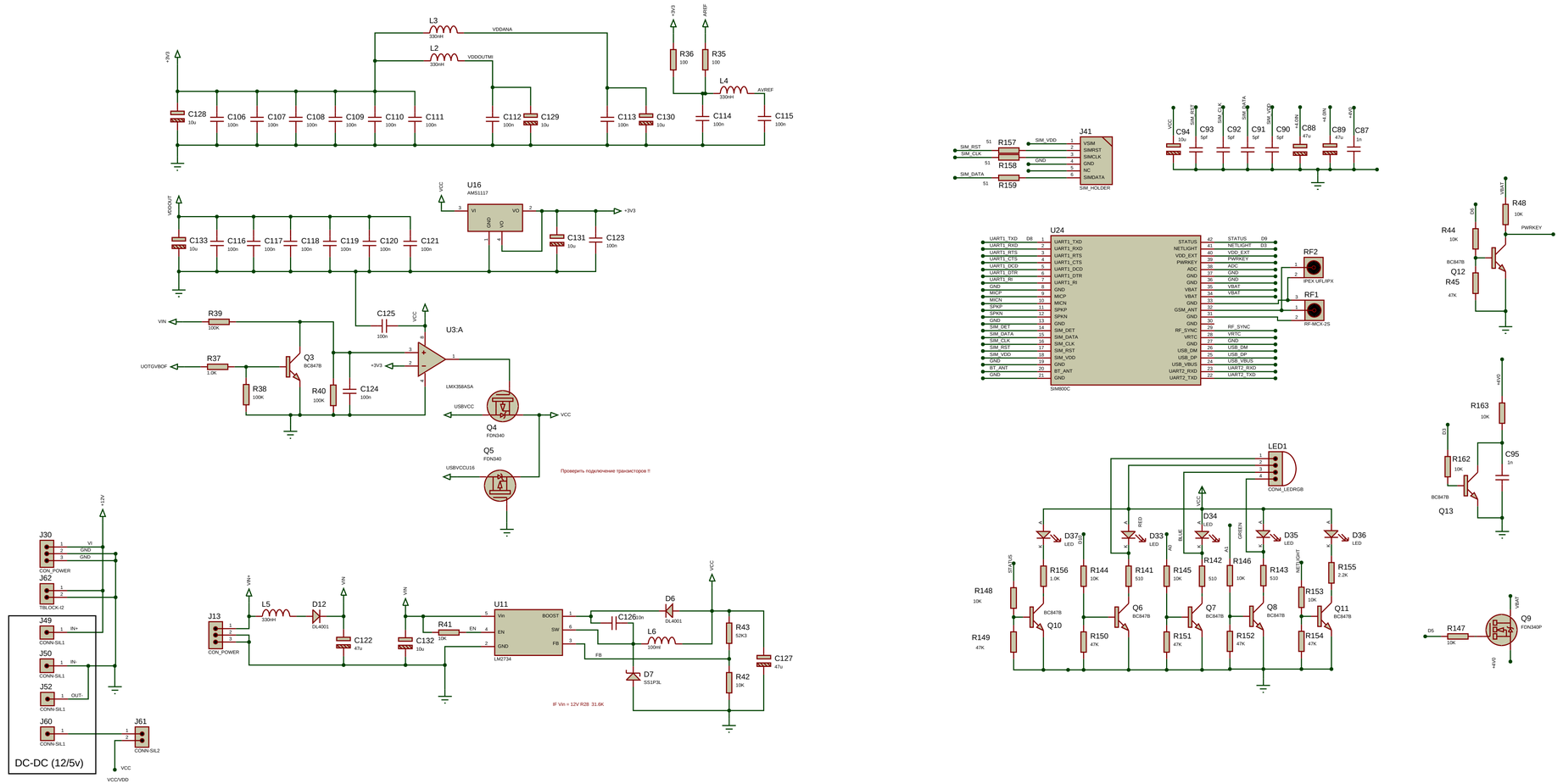








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L2 330HH VDDOUTM
+3V3
AVREF
R36 100
R35 100
L4 330HH AVREF
C128 10u
C106 100n
C107 100n
C108 100n
C109 100n
C110 100n
C111 100n
C112 100n
C129 10u
C113 100n
C130 10u
C114 100n
C115 100n
VDDOUT
C133 10u
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C117 100n
C118 100n
C119 100n
C120 100n
C121 100n
U16 AMS1117
VI GND VO
C131 10u
C123 100n
R39 100K
VIN
R37 10K
UOTGVBOF
R38 100K
Q3 BC847B
C125 100n
VCC
U3:A
+2V3
R40 100K
C124 100n
LMX358ASA
USBVCC
Q4 FDN340
Q5 FDN340
USBVCCU16
Проверить подключение транзисторов !!
J41
SIM_RST
SIM_CLK
SIM_DATA
R157
R158
R159
SIM_VDD
GND
VSM
SIMRST
SIMCLK
GND
NC
SIMDATA
SIM_HOLDER
C94 10u
C93 5pF
C92 5pF
C91 5pF
C90 5pF
C88 47u
C89 47u
C87 1n
U24
SIM800C
RF2
RF1
RF-MCX-2S
R48 10K
R44 10K
BC847B
Q12
R45 47K
PWRKEY
R163 10K
R162 10K
BC847B
Q13
C95 1n
LED1
CONN_LEDRGB
D37 LED
D33 LED
D34 LED
D35 LED
D36 LED
R156 1.0K
R144 10K
R141 510
R145 10K
R142 510
R146 10K
R143 510
R153 10K
R155 2.2K
R148 10K
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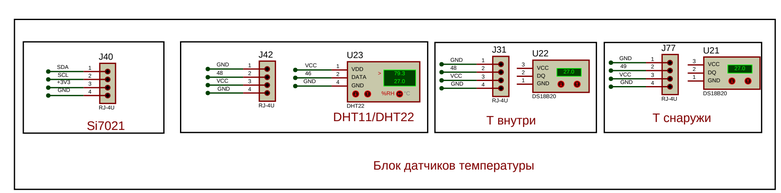
R150 47K
Q6 BC847B
R151 47K
Q7 BC847B
R152 47K
Q8 BC847B
R154 47K
Q11 BC847B
R147 10K
Q9 FDN340P
J30 CON_POWER
J62 TBLOCK-I2
J49 CONN-SIL1
J50 CONN-SIL1
J52 CONN-SIL1
J60 CONN-SIL1
J61 CONN-SIL2
DC-DC (12/5v)
J13 CON_POWER
L5 330HH
D12 DL4001
C122 47u
C132 10u
R41 10K
U11 LM2734
C126 10n
L6 100HH
D6 DL4001
D7 SS1P3L
R43 52K3
R42 10K
C127 47u
IF Vin = 12V R28 31.6K


J40 Si7021
J42 U23 DHT11/DHT22
J31 U22 DS18B20 Т внутри
J77 U21 DS18B20 Т снаружи
Блок датчиков температуры