Comment	Description	Designator	Footprint	LibRef	Quantity
1uF		C100, C102, C103	C0603	Capacitor	3
1µF		C101	C0603	Capacitor	1
100nF		C104, C105	C0603	Capacitor	2
TVS6.5		D100, D103, D104	SOD323	TVS Bi	3
SMBJ24A		D101	SMB	TVS Uni	1
3V3		D102	SOD323	TVS Uni	1
Green		D105, D106, D107, D108	LED_0603_G	Led	4
Blue		D109	LED_0603_B	Led	1
Yellow		D110	LED_0603_G	Led	1
Diode		D111, D112, D113, D114	SOD323	Diode	4
RJ45 LCSC	Jack Modular Connector 8p8c (RJ45, Ethernet) Vertical Unshielded Cat5	J100	RJ45_RA	RJ45 LCSC	1
2Pin		J101, J102, J103, J104, J108, J110	WURTH_691216710002	2Pin	6
2Pin		J105, J106, J107, J109	WURTH_691216910002	2Pin	4
Relay-SPST	Single-Pole Single-Throw Relay	K100, K101, K102, K103	G5RL-1A-E-HR	Relay-SPST	4
500mA	Polymeric PTC Resettable Fuse 24V 500mA Ih Surface Mount 1812 _4532 Metric_, Concave	PPTC100	PPTC1812	PPTC	1
N-FET		Q100, Q101, Q102, Q103	SOT323	N-FET	4
DNP/470R		R100, R104	R0603	Resistor	2
0R		R101, R103	R0603	Resistor	2
DNP/120R		R102	R0603	Resistor	1
3k3		R105, R107, R109, R111, R113, R119	R0603	Resistor	6
22k		R106, R108, R110, R112, R114, R120	R0603	Resistor	6
10k		R115, R116, R117, R118	R0402	Resistor	4
470R		R121, R122	R0603	Resistor	2
100k		R123, R124, R125, R126, R127, R128	R0603	Resistor	6
10k		R129	R0603	Resistor	1
TPS70933DBVR		U100	SOT-23-5	LDO	1
STM32G030		U101	TSSOP20	STM32G030	1
MAX3485E	1/1 Transceiver Half RS422, RS485 8-SOIC	U102	SOIC-08_DOMO	MAX3485E	1
Z108_enclosure		Z100	Z108	Z108_enclosure	1

Column headers: 1 | 2 | 3 | 4

J100   RJ45 LCSC

J101
1
2
2Pin
ETH1_RS485_P
ETH2_RS485_N

+3V3
R100 DNP/470R
R101 0R
R102 DNP/120R
R103 0R
R104 DNP/470R
D100 TVS6.5
D103 TVS6.5
D104 TVS6.5
RS485_P
RS485_N
GND

J102
1
2
2Pin
ETH_24V
GND

J103
1
2
2Pin
ETH_24V
GND

ETH1_RS485_P
ETH2_RS485_N
ETH3
ETH_24V
ETH_24V
ETH6
GND
GND
1 2 3 4 5 6 7 8
GND

ETH_24V
PPTC100 500mA
D101 SMBJ24A
+24V
C100 1uF
C101 1uF
U100 TPS70933DBVR
VIN VOUT
GND
C102 1uF
C103 1uF
C104 100nF
C105 100nF
D102 3V3
+3V3
GND

Z100
Z108_enclosure

J105
2 1
+24V
K100
R115 10k
D105 Green
Q100
D111
+24V
GND

J106
2 1
+24V
K101
R116 10k
D106 Green
Q101
D112
+24V
GND

J107
2 1
+24V
K102
R117 10k
D107 Green
Q102
D113
+24V
GND

J109
1 2
+24V
K103
R118 10k
D108 Green
Q103
D114
+24V
GND

+3V3
R121 470R
D109 Blue

+3V3
R122 470R
D110 Yellow
GND

R105 3k3
R107 3k3
R106 22k
R108 22k
J104
1
2
2Pin

R109 3k3
R111 3k3
R110 22k
R112 22k
J108
1
2
2Pin

R113 3k3
R119 3k3
R114 22k
R120 22k
J110
1
2
2Pin

R123 100k
R124 100k
R125 100k
R126 100k
R127 100k
R128 100k

U101
VDD/VDDA
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PB0/PB1/PB2/PA8
PA11
PA12
PC15-OSC32_OUT
PB7/PB8
PB3/PB4/PB5/PB6
PB9/PC14-OSC32_IN
PA13
PA15/PA14-BOOT0
NRST
VSS/VSSA
STM32G030
+3V3
4
7
8
9
10
11
12
13
14
15
16
17
3
1 RX
20 TX
2 RS485_RW
18 SWDIO
19 SWCLK
6 RST
5

R129 10k

+3V3
U102
VCC
RO
DI
RE
DE
GND
A
B
MAX3485E
8
1
4
2
3
5
6 RS485_P
7 RS485_N
GND GND

GND GND

Title: *Domoriks - Contact*
Size: A4
Number: 1
Revision: v1.0
Date: 30/03/2023
Time: 12:51:57
Sheet 1 of 1
File: MainSheet.SchDoc

Prog

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Domoriks Contact v1.0
Jorik Wittevrongel

open source
hardware

63,00

15,575

85,000

69,425

53,850

Prog

Domoriks Contact v1.0
Jorik Wittevrongel

open source
hardware

15,575

51,850

5,575

5,575

57,425

63,000

63,00

15,575

85,000

69,425

53,850

15,575

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