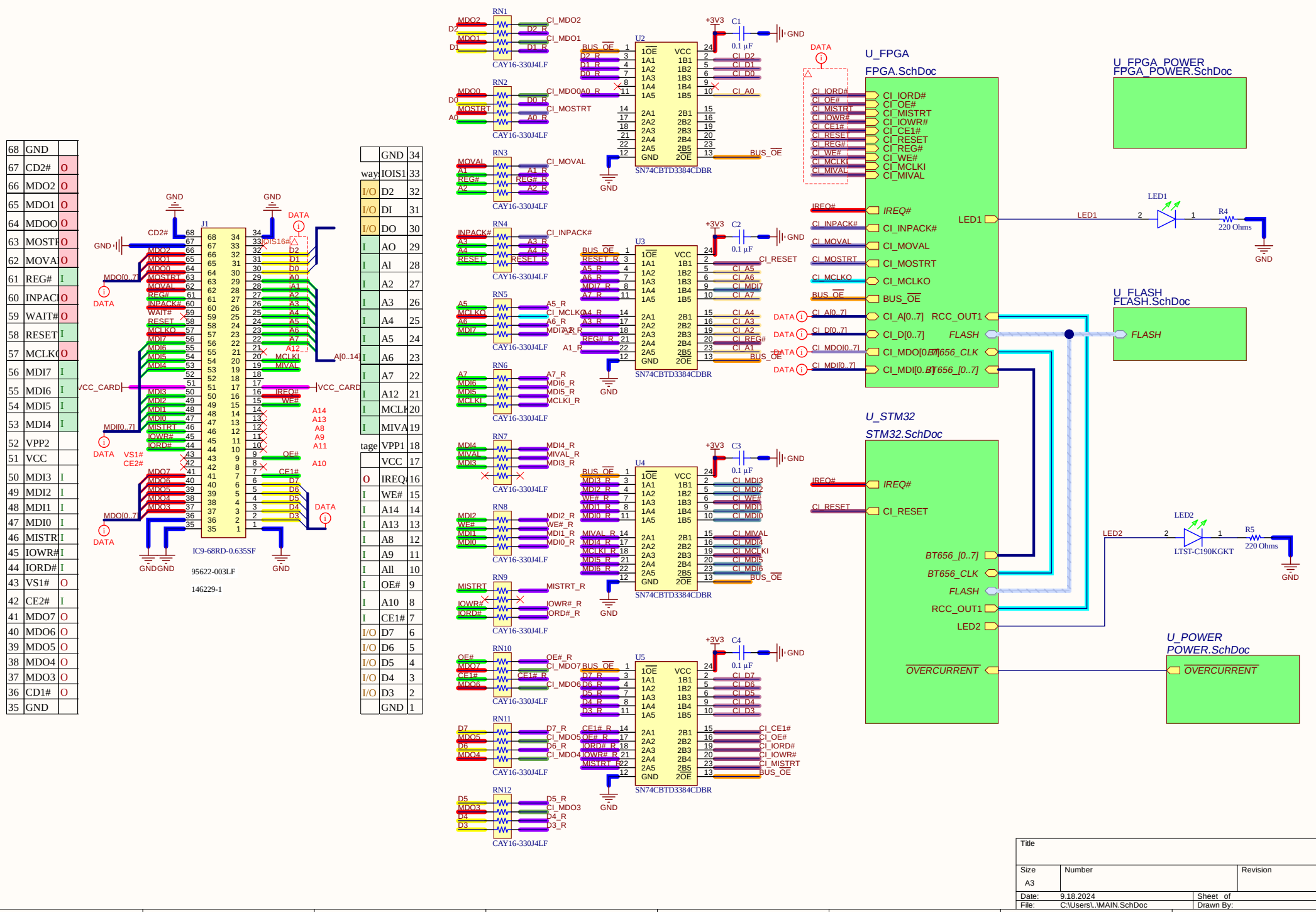
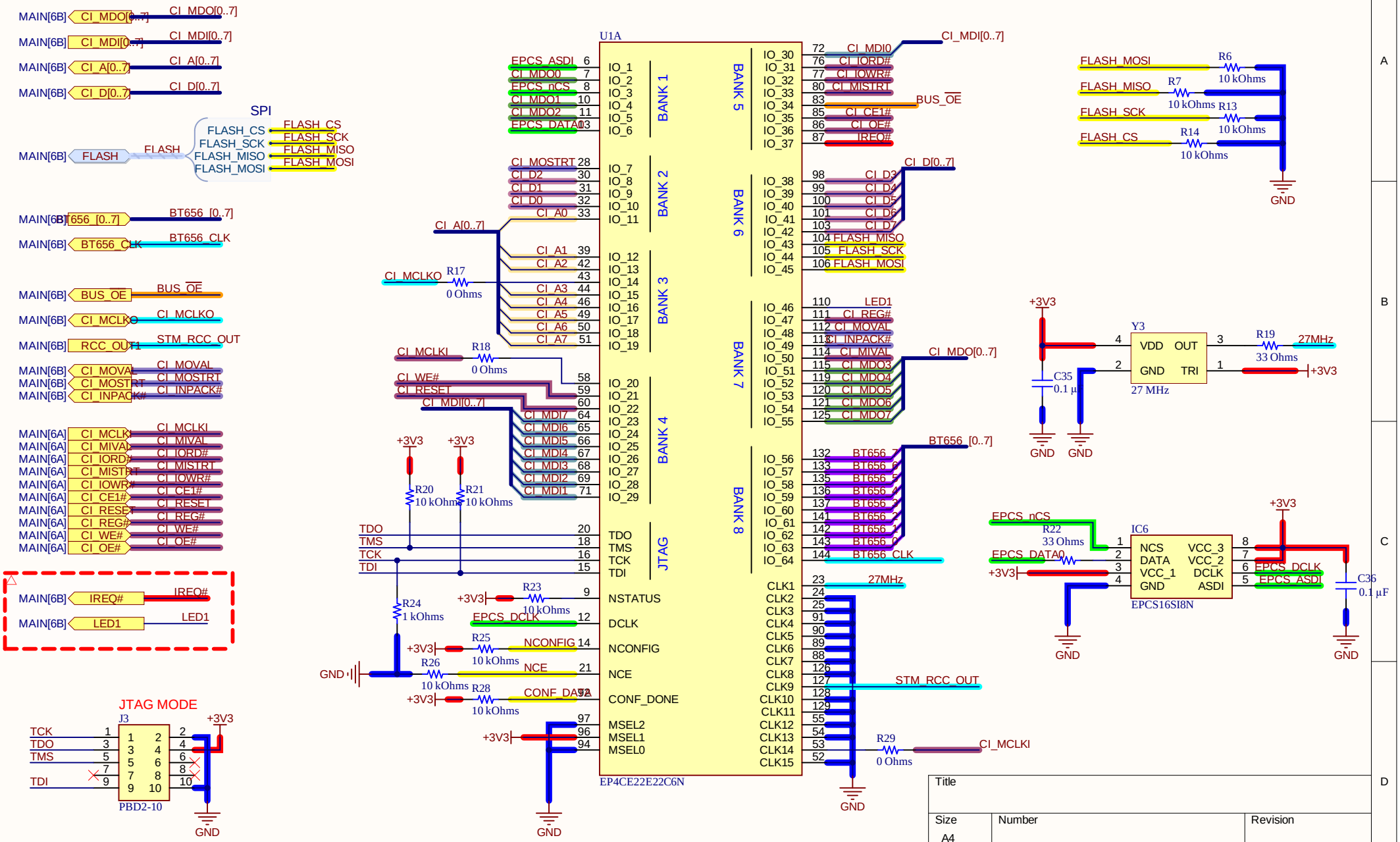


68	GND	
67	CD2#	O
66	MDO2	O
65	MDO1	O
64	MDOO	O
63	MOSTF	O
62	MOVA	O
61	REG#	I
60	INPAC	O
59	WAIT#	O
58	RESET	I
57	MCLK	O
56	MDI7	I
55	MDI6	I
54	MDI5	I
53	MDI4	I
52	VPP2	
51	VCC	
50	MDI3	I
49	MDI2	I
48	MDI1	I
47	MDI0	I
46	MISTR	I
45	IOWR#	I
44	IORD#	I
43	VS1#	O
42	CE2#	I
41	MDO7	O
40	MDO6	O
39	MDO5	O
38	MDO4	O
37	MDO3	O
36	CD1#	O
35	GND	

	GND	34
way	IOIS1	33
I/O	D2	32
I/O	DI	31
I/O	DO	30
I	AO	29
I	Al	28
I	A2	27
I	A3	26
I	A4	25
I	A5	24
I	A6	23
I	A7	22
I	A12	21
I	MCLK	20
I	MIVA	19
tage	VPP1	18
	VCC	17
O	IREQ#	16
I	WE#	15
I	A14	14
I	A13	13
I	A8	12
I	A9	11
I	All	10
I	OE#	9
I	A10	8
I	CE1#	7
I/O	D7	6
I/O	D6	5
I/O	D5	4
I/O	D4	3
I/O	D3	2
	GND	1


MAIN[6B] CI_MDO[0..7]
CI_MDO[0..7]
MAIN[6B] CI_MDI[0..7]
CI_MDI[0..7]
MAIN[6B] CI_A[0..7]
CI_A[0..7]
MAIN[6B] CI_D[0..7]
CI_D[0..7]
SPI
MAIN[6B] FLASH
FLASH
FLASH_CS
FLASH_SCK
FLASH_MISO
FLASH_MOSI
MAIN[6B] BT656_[0..7]
BT656_[0..7]
MAIN[6B] BT656_CLK
BT656_CLK
MAIN[6B] BUS_OE
BUS_OE
MAIN[6B] CI_MCLKO
CI_MCLKO
MAIN[6B] RCC_OUT1
STM_RCC_OUT
MAIN[6B] CI_MOVAL
MAIN[6B] CI_MOSTRT
MAIN[6B] CI_INPACK#
CI_MOVAL
CI_MOSTRT
CI_INPACK#
MAIN[6A] CI_MCLKI
MAIN[6A] CI_MIVAL
MAIN[6A] CI_IORD#
MAIN[6A] CI_MISTRT
MAIN[6A] CI_IOWR#
MAIN[6A] CI_CE1#
MAIN[6A] CI_RESET
MAIN[6A] CI_REG#
MAIN[6A] CI_WE#
MAIN[6A] CI_OE#
CI_MCLKI
CI_MIVAL
CI_IORD#
CI_MISTRT
CI_IOWR#
CI_CE1#
CI_RESET
CI_REG#
CI_WE#
CI_OE#
MAIN[6B] IREQ#
IREQ#
MAIN[6B] LED1
LED1
JTAG MODE
J3
TCK
TDO
TMS
TDI
PBD2-10
+3V3
GND
U1A
EPCS_ASDI 6
CI_MDO0 7
EPCS_nCS 8
CI_MDO1 10
CI_MDO2 11
EPCS_DATA0 13
CI_MOSTRT 28
CI_D2 30
CI_D1 31
CI_D0 32
CI_A0 33
CI_A1 39
CI_A2 42
43
CI_A3 44
CI_A4 46
CI_A5 49
CI_A6 50
CI_A7 51
CI_MCLKI
CI_WE# 58
CI_RESET 59
CI_MDI[0..7] 60
CI_MDI7 64
CI_MDI6 65
CI_MDI5 66
CI_MDI4 67
CI_MDI3 68
CI_MDI2 69
CI_MDI1 71
TDO 20
TMS 18
TCK 16
TDI 15
NSTATUS 9
DCLK 12
NCONFIG 14
NCE 21
CONF_DONE 22
MSEL2 97
MSEL1 96
MSEL0 94
BANK 1
BANK 2
BANK 3
BANK 4
JTAG
BANK 5
BANK 6
BANK 7
BANK 8
EP4CE22E22C6N
CI_MDI[0..7]
CI_MDI0 72
CI_IORD# 76
CI_IOWR# 77
CI_MISTRT 80
BUS_OE 83
CI_CE1# 85
CI_OE# 86
IREQ# 87
CI_D[0..7]
CI_D3 98
CI_D4 99
CI_D5 100
CI_D6 101
CI_D7 103
FLASH_MISO 104
FLASH_SCK 105
FLASH_MOSI 106
LED1 110
CI_REG# 111
CI_MOVAL 112
CI_INPACK# 113
CI_MIVAL 114
CI_MDO3 115
CI_MDO4 119
CI_MDO5 120
CI_MDO6 121
CI_MDO7 125
CI_MDO[0..7]
BT656_[0..7]
BT656_CLK 144
27MHz 23
STM_RCC_OUT 128
CI_MCLKI 52
R17 0 Ohms
R18 0 Ohms
R20 10 kOhms
R21 10 kOhms
R23 10 kOhms
R24 1 kOhms
R25 10 kOhms
R26 10 kOhms
R28 10 kOhms
R29 0 Ohms
FLASH_MOSI
FLASH_MISO
FLASH_SCK
FLASH_CS
R6 10 kOhms
R7 10 kOhms
R13 10 kOhms
R14 10 kOhms
GND
Y3
VDD OUT
GND TRI
27 MHz
R19 33 Ohms
27MHz
+3V3
C35 0.1 µ
IC6
NCS VCC_3
DATA VCC_2
VCC_1 DCLK
GND ASDI
EPCS16SI8N
EPCS_nCS
EPCS_DATA0
EPCS_DCLK
EPCS_ASDI
R22 33 Ohms
C36 0.1 µF
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Number
Revision
Date: 9.18.2024
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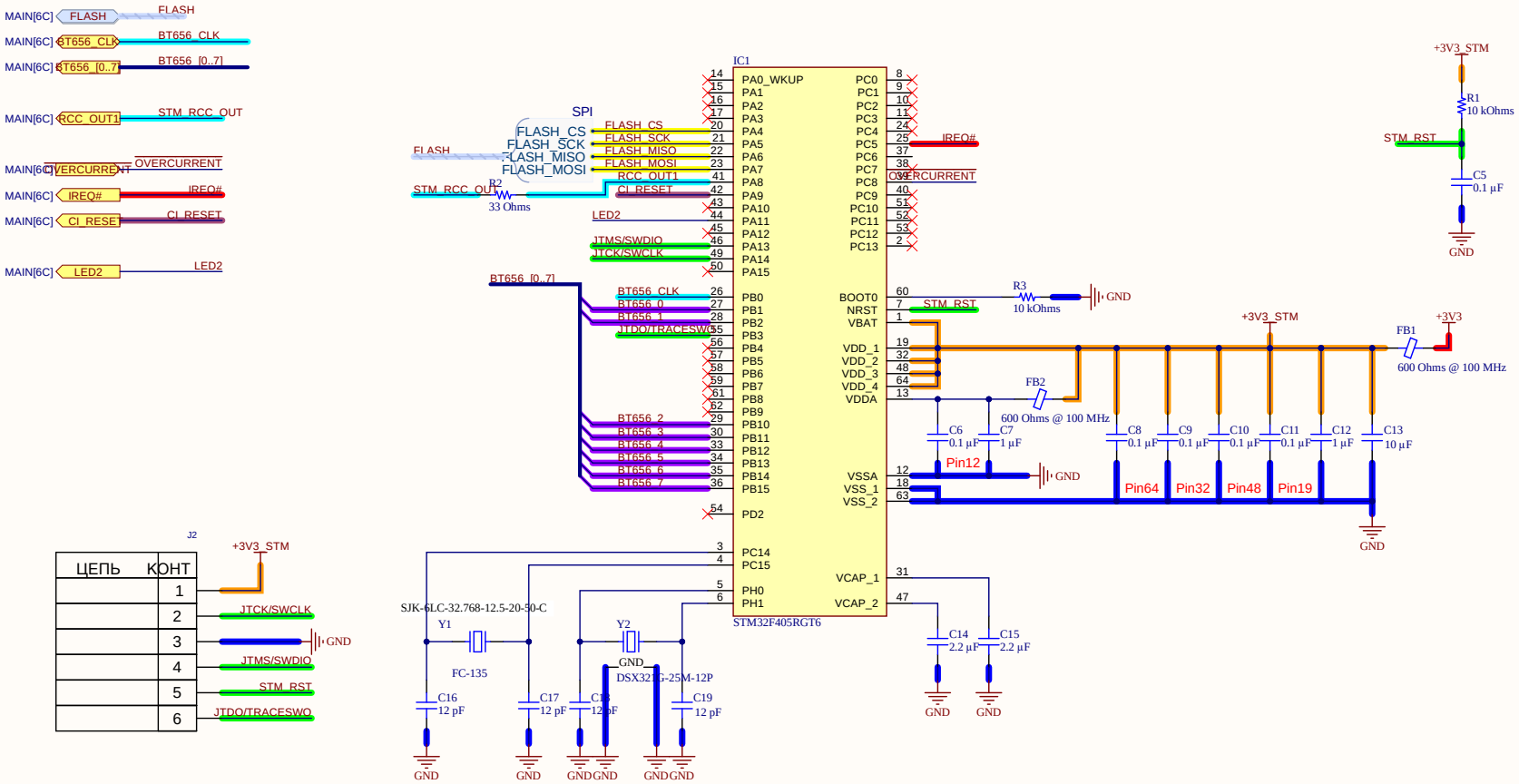

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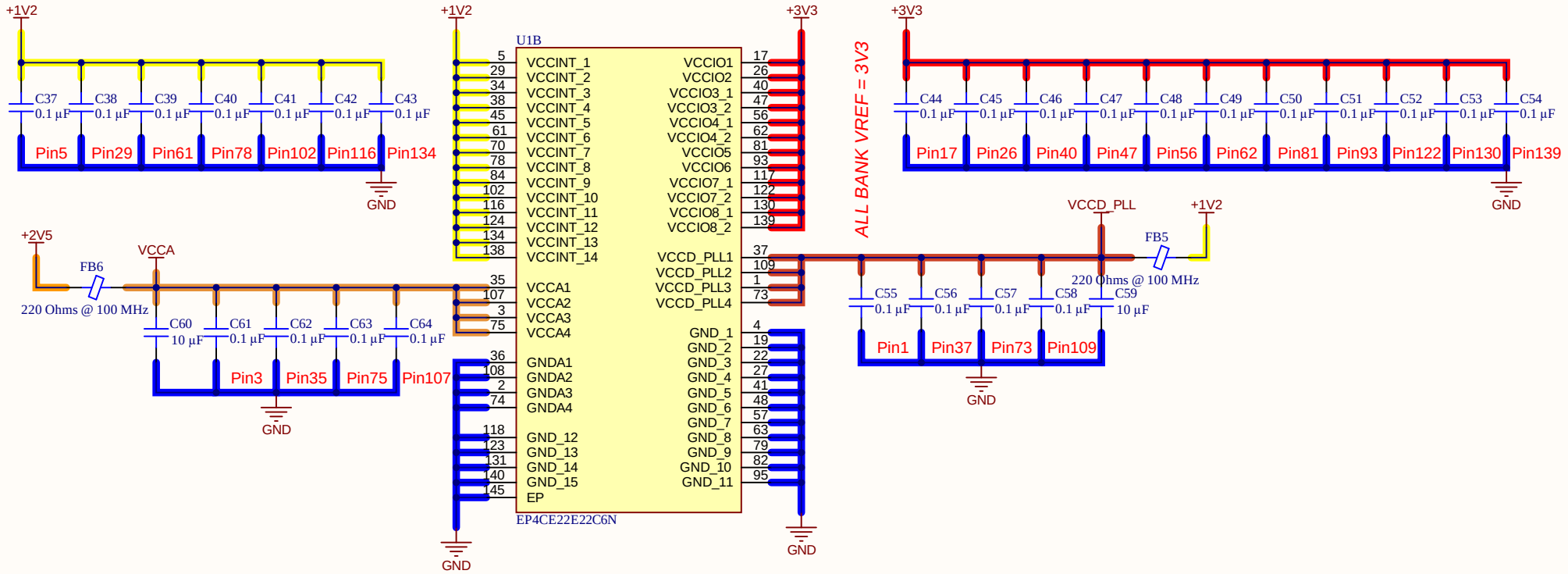

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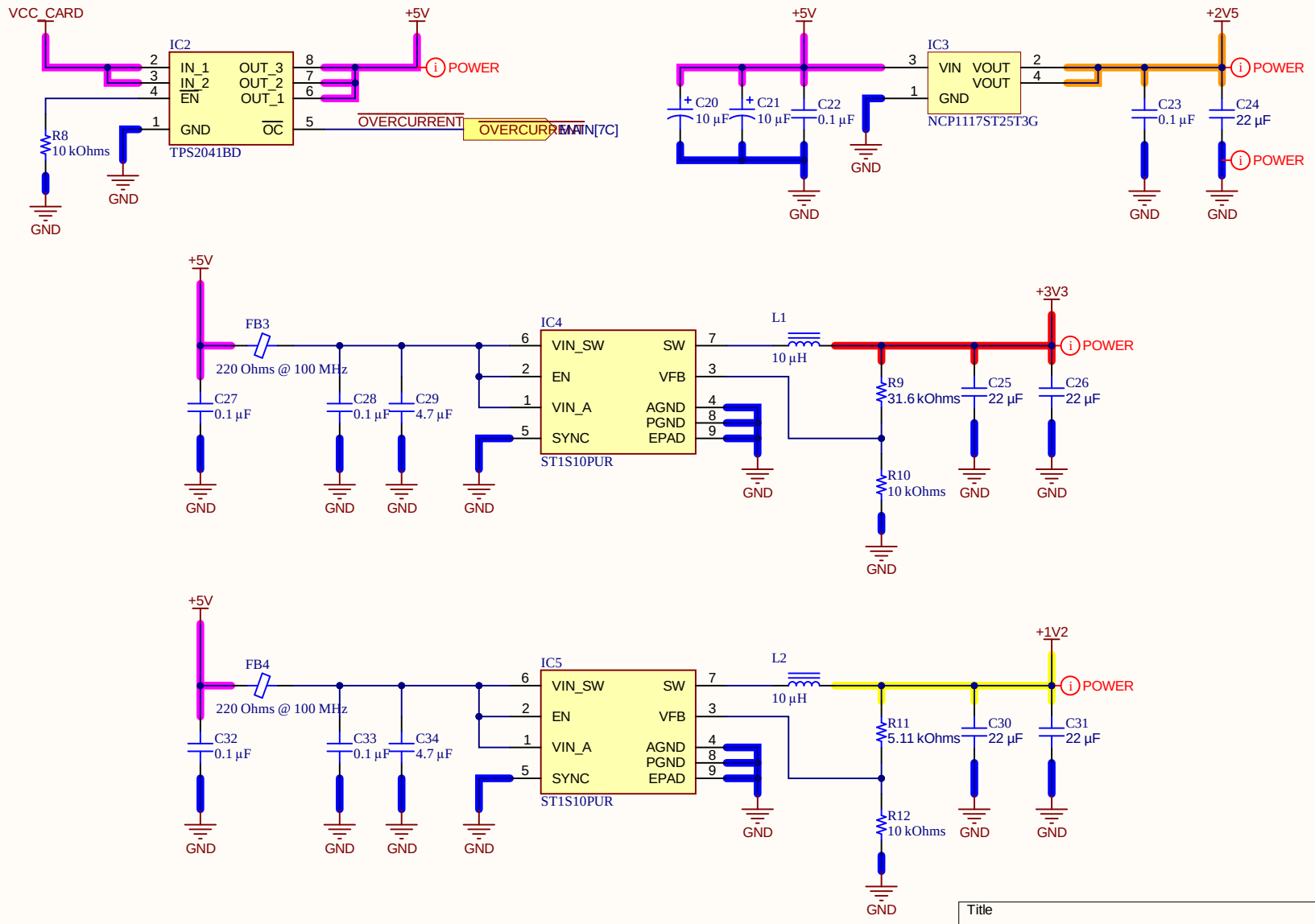

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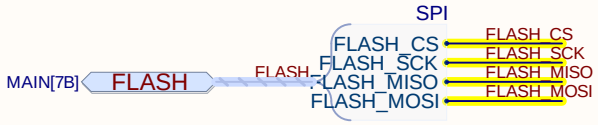

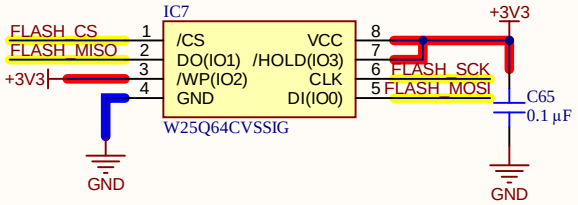

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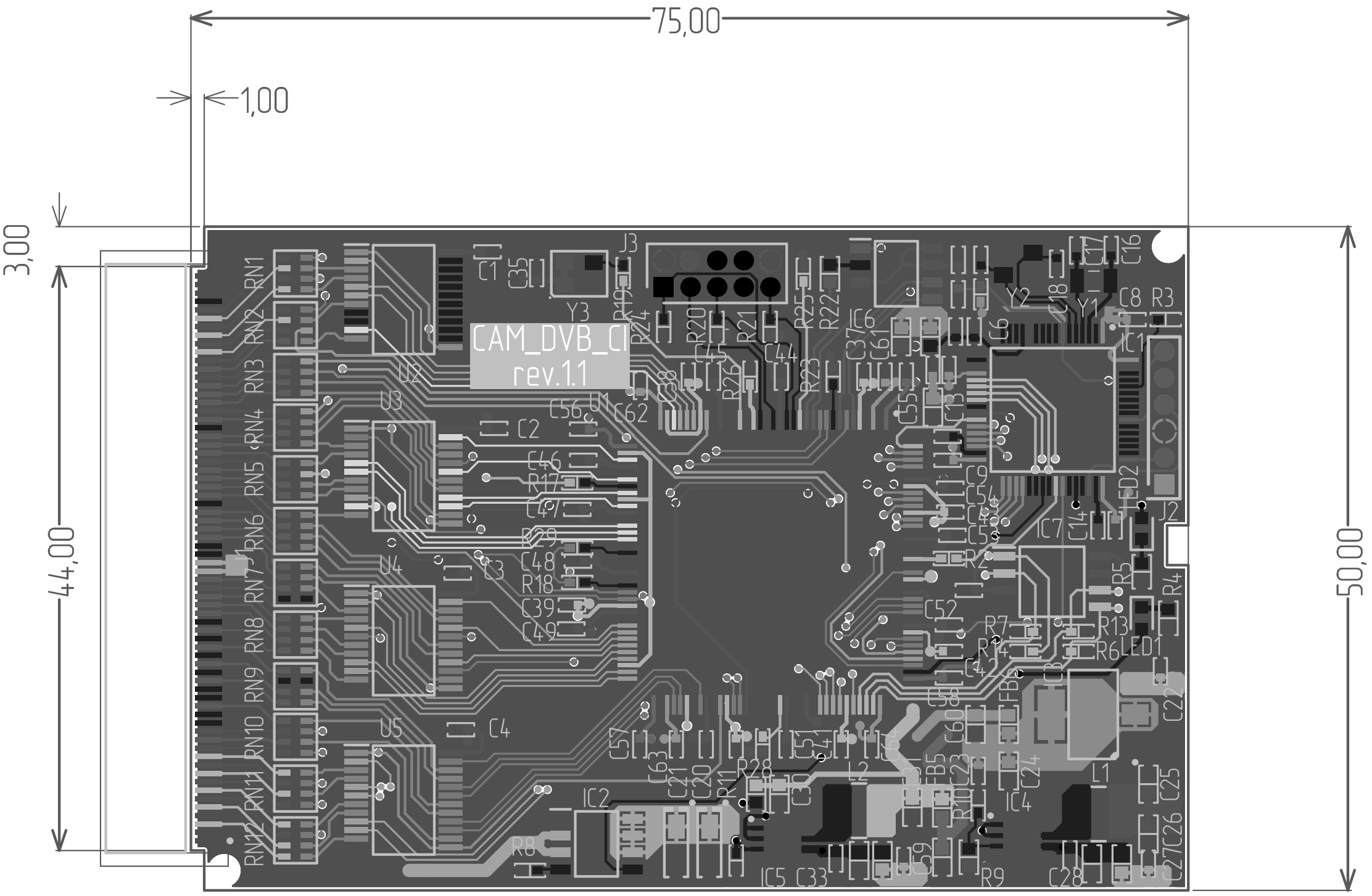
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1,00
3,00
44,00
50,00
CAM_DVB_CI
rev.1.1

Comment	Description	Designator	Footprint	LibRef	Quantity
0.1 µF	CAP CER 0.1UF 16V X7R 0402	C1, C2, C3, C4, C5, C6, C8, C9, C10, C11, C22, C23, C27, C28, C32, C33, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C61, C62, C63, C64, C65	CAP 0402_1005	CC0402KRX7R7BB104	45
1 µF	CAP CER 1UF 10V X5R 0402	C7, C12	CAP 0402_1005	CC0402KRX5R6BB105	2
CC0603KRX5R6BB106	CAP CER 10UF 10V X5R 0603	C13, C59, C60	CAP 0603_1608	CC0603KRX5R6BB106	3
2.2 µF	CAP CER 2.2UF 10V X5R 0402	C14, C15	CAP 0402_1005	CC0402KRX5R6BB225	2
12 pF	CAP CER 12PF 50V C0G/NPO 0402	C16, C17, C18, C19	CAP 0402_1005	CC0402FRNPO9BN120	4
10 µF	CAP TANT 10UF 10% 16V 1206	C20, C21	CAP POL 1206_3216	T494A106K016AT	2
22 µF	CAP CER 22UF 6.3V X5R 0603	C24, C25, C26, C30, C31	CAP 0603_1608	CC0603MRX5R5BB226	5
4.7 µF	CAP CER 4.7UF 10V X5R 0603	C29, C34	CAP 0603_1608	CC0603KRX5R6BB475	2
600 Ohms @ 100 MHz	FERRITE BEAD 600 OHM 0603 1LN	FB1, FB2	FER 0603_1608	BLM18KG601SN1D	2
220 Ohms @ 100 MHz	FERRITE BEAD 220 OHM 0603 1LN	FB3, FB4, FB5, FB6	FER 0603_1608	BLM18EG221SN1D	4
STM32F405RGT6	Integrated Circuit	IC1	QFP50P1200X1200X160-64N	STM32F405RGT6	1
TPS2041BD	Integrated Circuit	IC2	SOIC127P600X175-8N	TPS2041BD	1
NCP1117ST25T3G	IC REG LINEAR 2.5V 1A SOT223	IC3	ON SEMI SOT-223 ST(318H)	NCP1117ST25T3G	1
ST1S10PUR	Integrated Circuit	IC4, IC5	SON80P400X400X100-9N-D	ST1S10PUR	2
EPCS16SI8N	Integrated Circuit	IC6	SOIC127P600X175-8N	EPCS16SI8N	1
W25Q64CVSSIG	Integrated Circuit	IC7	SOIC127P790X216-8N	W25Q64CVSSIG	1
IC9-68RD-0.635SF	Connector Card Bus Socket	J1	IC9-68RD-0.635SF	IC9-68RD-0.635SF	1
PBS2-6	Connector, Header, Pitch 2mm, H=4.3mm	J2	PBS2-6	PBS2-6	1
PBD2-10	Connector	J3	PBD2-10	PBD2-10	1
10 µH	FIXED IND 10UH 1.3A 180 MOHM SMD	L1, L2	BOURNS SRN4018	SRN4018-100M	2
	LED, 0603, GREEN	LED1	LEDC1608X80N	LTST-C190KGKT	1
LTST-C190KGKT	LED, 0603, GREEN	LED2	LEDC1608X80N	LTST-C190KGKT	1
10 kOhms	RES 10K OHM 1% 1/16W 0402	R1, R3, R6, R7, R8, R10, R12, R13, R14, R20, R21, R23, R25, R26, R28	RES 0402_1005	RC0402FR-0710KL	15
33 Ohms	RES 33 OHM 1% 1/16W 0402	R2, R19	RES 0402_1005	RC0402FR-0733RL	2
220 Ohms	RES 220 OHM 1% 1/10W 0603	R4, R5	RES 0603_1608	RC0603FR-07220RL	2
31.6 kOhms	RES 31.6K OHM 1% 1/10W 0603	R9	RES 0603_1608	RC0603FR-0731K6L	1
5.11 kOhms	RES 5.11K OHM 1% 1/10W 0603	R11	RES 0603_1608	RC0603FR-075K11L	1
0 Ohms	RES 0 OHM JUMPER 1/16W 0402	R17, R18, R29	RES 0402_1005	RC0402JR-070RL	3
33 Ohms	RES 33 OHM 1% 1/10W 0603	R22	RES 0603_1608	RC0603FR-0733RL	1
1 kOhms	RES 1K OHM 1% 1/16W 0402	R24	RES 0402_1005	RC0402FR-071KL	1
CAY16-330J4LF	RES ARRAY 4 RES 33 OHM 1206	RN1, RN2, RN3, RN4, RN5, RN6, RN7, RN8, RN9, RN10, RN11, RN12	RESNET 1206-8 CONVEX	CAY16-330J4LF	12
EP4CE22E22C6N	IC FPGA 79 I/O 144EQFP	U1	QFP50P2200X2200X165-145N	EP4CE22E22C6N_1	1
SN74CBTD3384CDBR	Integrated Circuit	U2, U3, U4, U5	SOP65P780X200-24N	SN74CBTD3384CDBR	4
FC-135	Crystal or Oscillator	Y1	FC135	FC-135_32.7680KA-A3	1
DSX321G-25M-12P	Crystal or Oscillator	Y2	DSX321G20M	DSX321G-25M	1
27 MHz	XTAL OSC XO 27.0000MHZ CMOS SMD	Y3	ABRACON ASE	ASE-27.000MHZ-ET	1