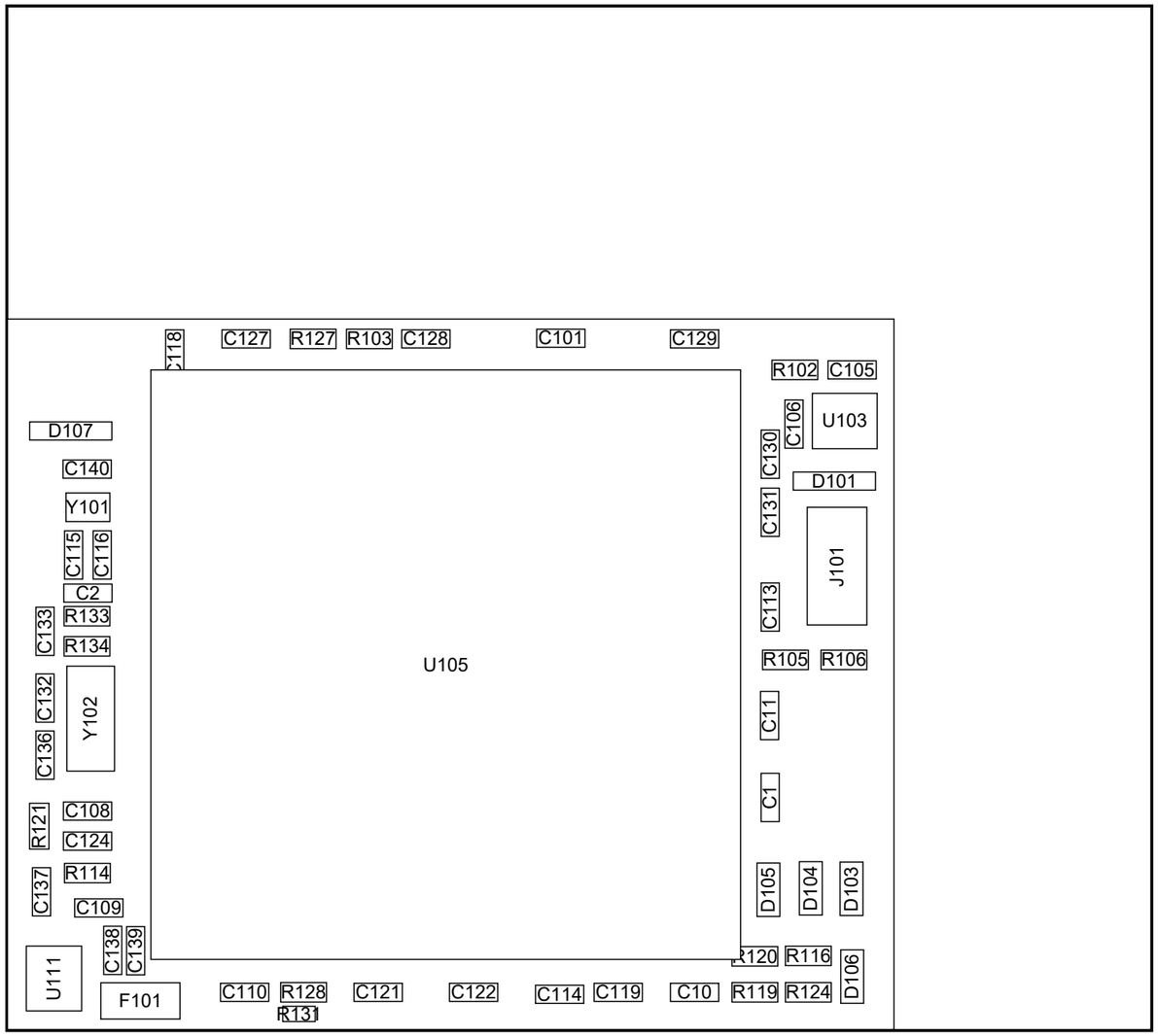
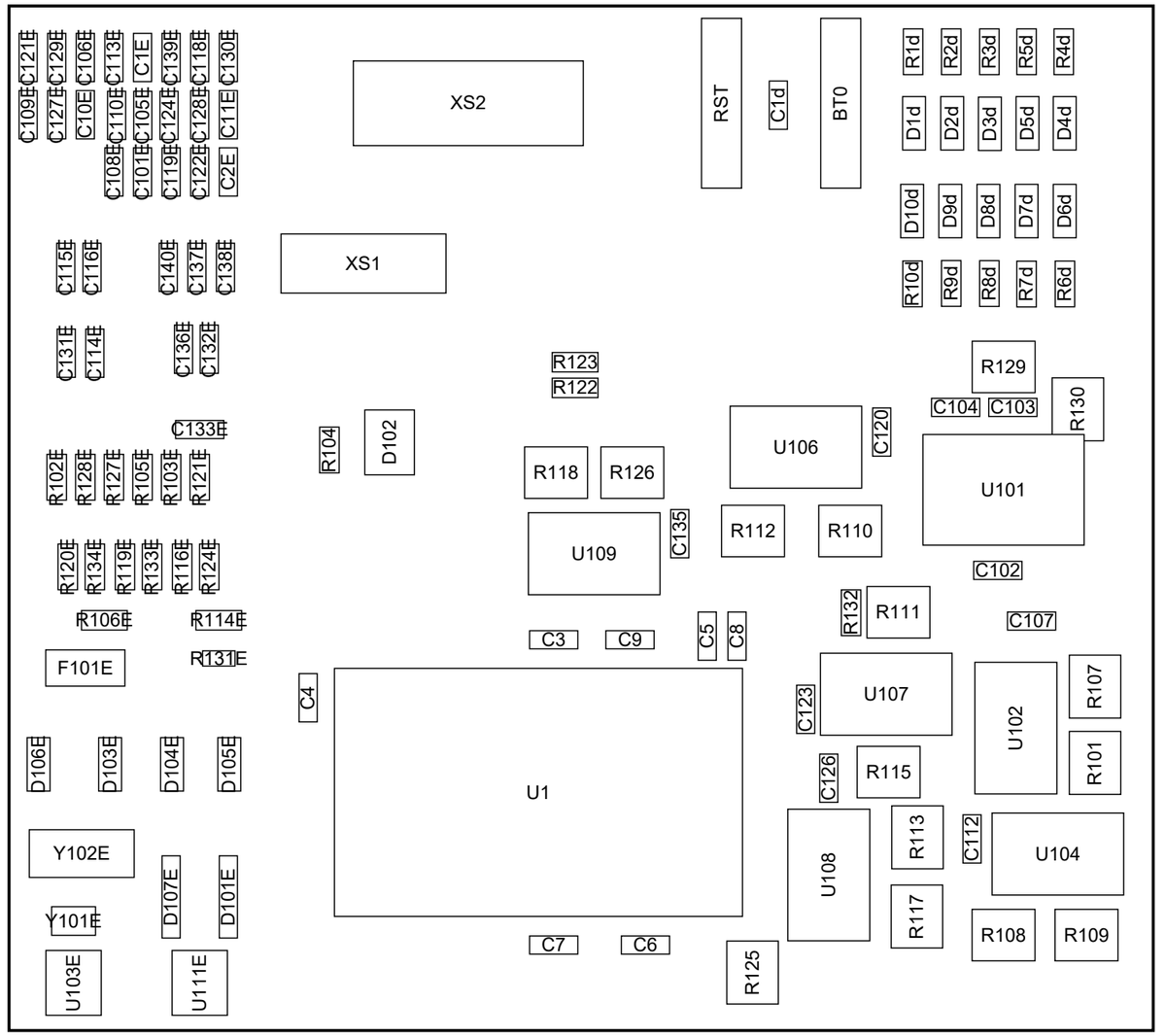
TOP


C118
C127
R127
R103
C128
C101
C129
R102
C105
D107
C106
U103
C140
C130
D101
Y101
C131
C115
C116
J101
C2
C113
C133
R133
R134
U105
R105
R106
C132
Y102
C11
C136
C1
C108
R121
C124
D105
D104
D103
C137
R114
C109
C138
C139
R120
R116
U111
C110
R128
C121
C122
C114
C119
C10
R119
R124
D106
F101
R131

BOTTOM


C109
C121
C129
C106
C113
C1E
C139
C118
C130
C127
C10E
C110
C105
C124
C128
C11E
C108
C101
C119
C122
C2E
XS2
RST
C1d
BT0
R1d
R2d
R3d
R5d
R4d
D1d
D2d
D3d
D5d
D4d
D10d
D9d
D8d
D7d
D6d
R10d
R9d
R8d
R7d
R6d
C115
C116
C140
C137
C138
XS1
C131
C114
C136
C132
R123
R122
R129
C104
C103
R130
C133
R104
D102
U106
C120
R102
R128
R127
R105
R103
R121
R118
R126
U101
C135
U109
R112
R110
C102
R120
R134
R119
R133
R116
R124
R132
R111
C107
R106
R114
C3
C9
C5
C8
F101E
R131
C4
U1
C123
U107
U102
R107
C126
R115
R101
D106
D103
D104
D105
U108
R113
C112
U104
Y102E
D107E
D101E
R117
Y101
R108
R109
U103E
U111E
C7
C6
R125

Bill Of Materials

Line #	Designator	Name	Quantity
	C1, C1d, C1E, C2, C2E, C3, C4, C5, C6, C7, C8, C9, C10, C10E, C11, C11E, C101, C101E, C105, C105E, C106, C106E, C107, C108, C108E, C109, C109E, C110, C110E, C112, C113, C113E, C118, C118E, C119, C119E, C120, C121, C121E, C122, C122E, C123, C124, C124E, C126, C127, C127E, C128, C128E, C129, C129E, C130, C130E, C135, C139, C139E	100n	56
	C102, C103, C104, C137, C137E, C138, C138E, C140, C140E	4.7u	9
	C114, C114E, C131, C131E	2.2u	4
	C115, C115E, C116, C116E	12p	4
	C132, C132E, C136, C136E	18p	4
	C133, C133E	1u	2
	D1d, D2d, D3d, D4d, D5d, D6d, D7d, D8d, D9d, D10d	LED	10
	D101, D101E, D107, D107E	B5819W	4
	D102	SRV05-4-P-T7	1
	D103, D103E	LED-RED-0603	2
	D104, D104E	LED-GREEN-0603	2
	D105, D105E	LED-BLUE-0603	2
	D106, D106E	LED-YELLOW-0603	2
	F101, F101E	SMD1206B035TF/16	2
	M101	Module:mcu/0.6	1
	R1d, R2d, R3d, R4d, R5d, R6d, R7d, R8d, R9d, R10d, R116, R116E, R119, R119E, R120, R120E, R124, R124E, R133, R133E, R134, R134E	510	22
	R101, R107, R108, R109, R110, R111, R112, R113, R115, R117, R118, R125, R126	4.7k	13
	R102, R102E, R103, R103E, R105, R105E, R121, R121E, R127, R127E, R128, R128E	10k	12
	R104, R106, R106E	100	3
	R114, R114E	47	2
	R122, R123	2.2k	2
	R129, R130	10k	2
	R131, R131E	0	2
	R132	5.1k	1
	SW1	RESET	1
	SW2	BOOT0	1
	U1	IS42S16400J	1
	U101	AMS1117-3.3	1
	U102, U104, U106, U107, U108, U109	MCP6004	6
	U103, U103E	AP2337SA-7	2
	U105	STM32F429	1
	U111, U111E	XC6206P332MR	2
	XS1	USB mini B	1
	XS2	Connector, 10pin, 2.54mm, 250VAC, 3A	1
	Y101, Y101E	32.768 kHz	2
	Y102, Y102E	20 MHz	2

Author			
Date			
Manufacturer			
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Size page	A3		
Materials			