











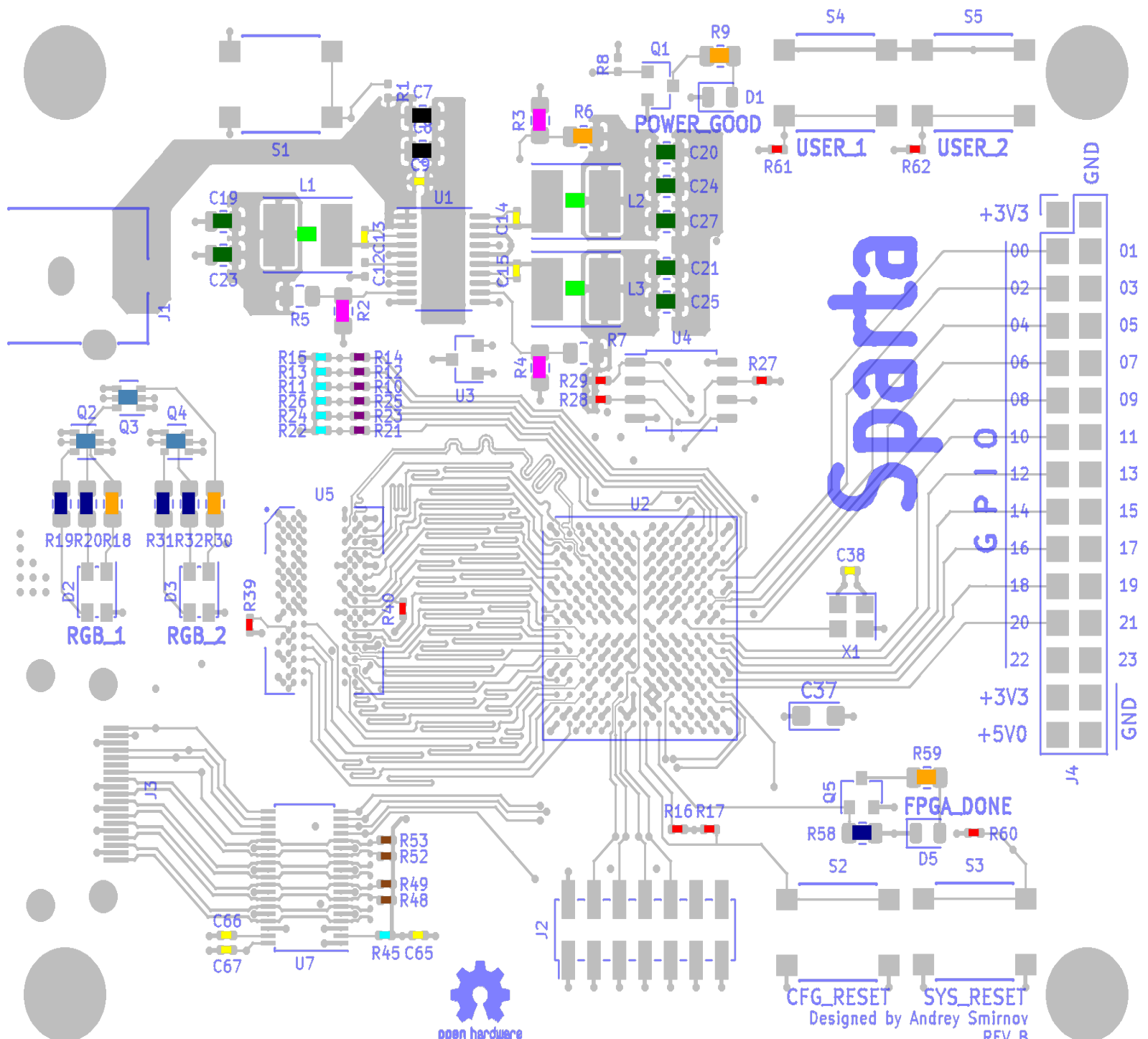












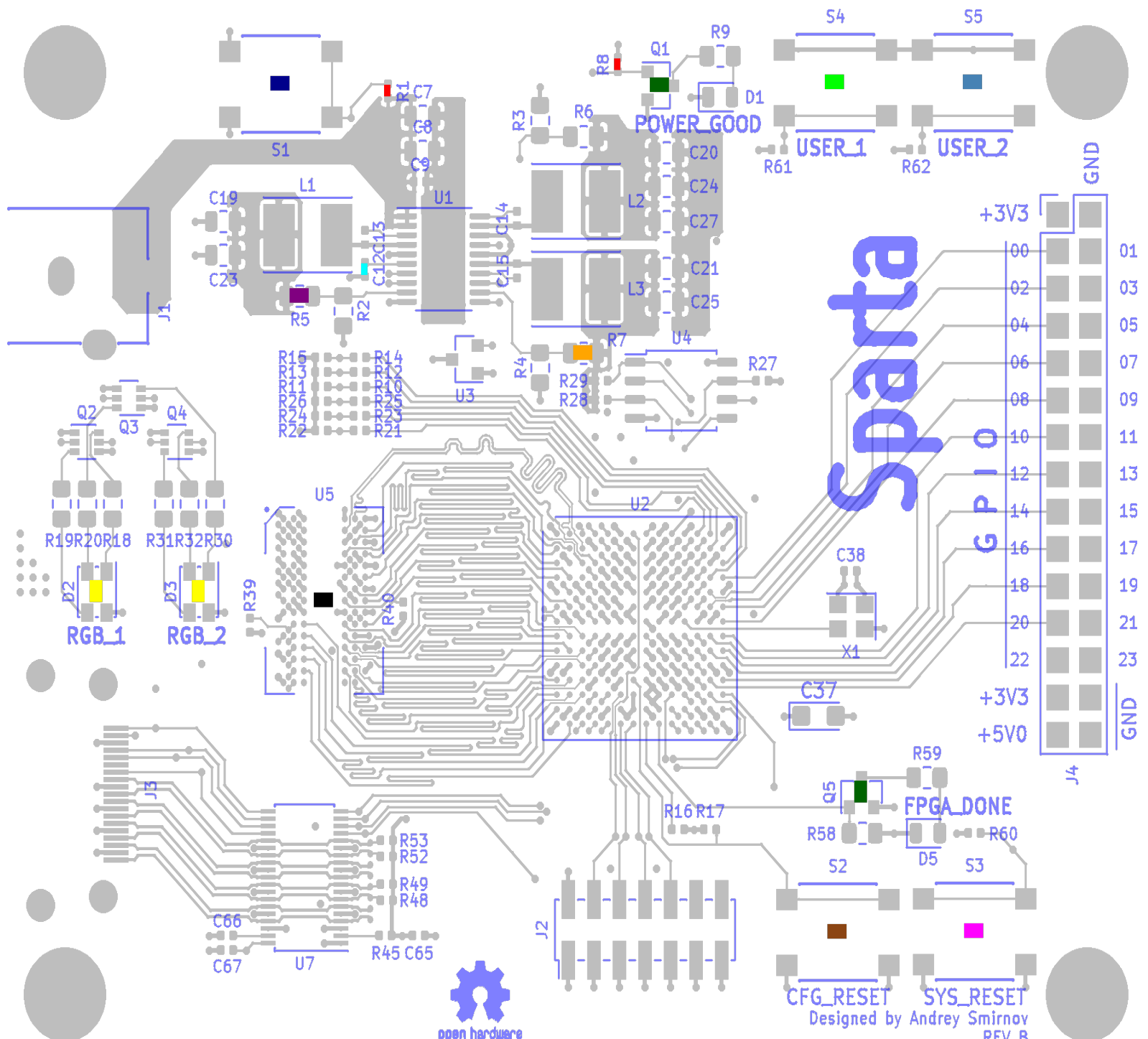













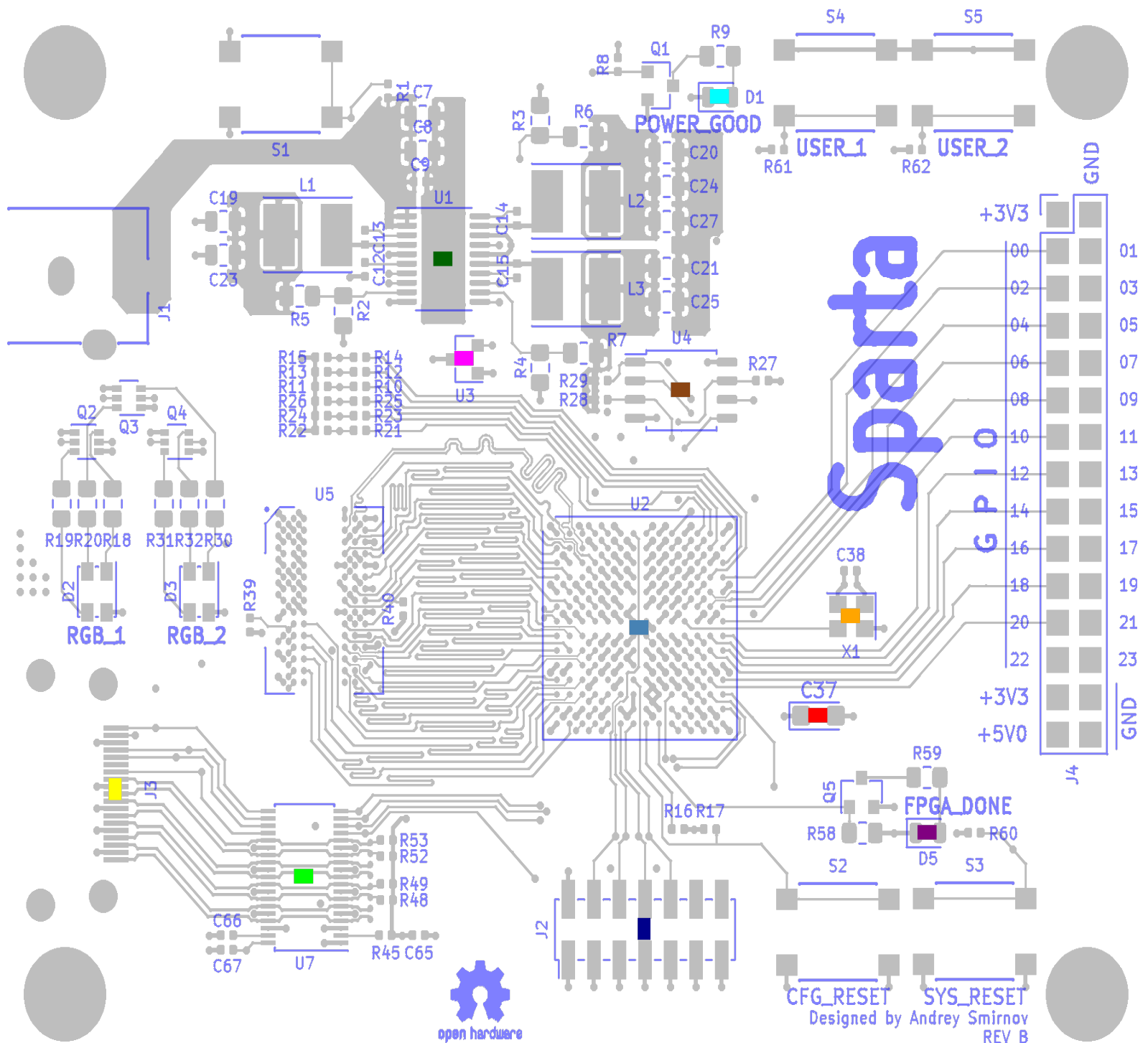
Color Footprint	Value	Count	RefDes
 R_0402_1005Metric	4.75K	10	R16, R17, R27, R28, R29, R39, R40, R60, R61, R62
 C_0402_1005Metric	0.1 uF	8	C9, C13, C14, C15, C38, C65, C66, C67
 C_0805_2012Metric	22 uF	7	C19, C20, C21, C23, C24, C25, C27
 R_0402_1005Metric	10K	7	R11, R13, R15, R22, R24, R26, R45
 R_0402_1005Metric	2.2K	6	R10, R12, R14, R21, R23, R25
 R_0805_2012Metric_Pad1.1...	680	5	R6, R9, R18, R30, R59
 R_0805_2012Metric_Pad1.1...	330	5	R19, R20, R31, R32, R58
 R_0402_1005Metric	49.9	4	R48, R49, R52, R53
 R_0805_2012Metric_Pad1.1...	2.2K	3	R2, R3, R4
 L_Taiyo-Yuden_NR-50xx_Ha...	2.2 uH	3	L1, L2, L3
 SOT-363_SC-70-6	DMN63D8LDW	3	Q2, Q3, Q4
 C_0805_2012Metric	10 uF	2	C7, C8















Color Footprint	Value	Count	RefDes
 R_0402_1005Metric	100K	2	R1, R8
 LED_Kingbright_AAA3528ESGCT	LED_RAGB	2	D2, D3
 SOT-23	DMN2020L	2	Q1, Q5
 C_0402_1005Metric	1 uF	1	C12
 R_0805_2012Metric_Pad1.1...	3.0K	1	R5
 R_0805_2012Metric_Pad1.1...	7.36K	1	R7
 B3FS_1010P	PWR_OFF	1	S1
 B3FS_1010P	CFG_RESET	1	S2
 B3FS_1010P	SYS_RESET	1	S3
 B3FS_1010P	USER_1	1	S4
 B3FS_1010P	USER_2	1	S5
 BGA-84_9x15_9.0x12.5mm	MT47H128M16XX	1	U5



Color Footprint	Value	Count	RefDes
 CP_EIA-3216-18_Kemet-A	47 uF	1	C37
 hdmi_type_a_10029449-111RLF	HDMI_A	1	J3
 HTSSOP-20-1EP_4.4x6.5mm...	TPS65581	1	U1
 LED_0805_2012Metric	POWER_GOOD	1	D1
 LED_0805_2012Metric	FPGA_DONE	1	D5
 Oscillator_SMD_Abracon_A...	DSC61XX	1	X1
 PinHeader_2x07_P2.00mm_V...	XILINX_JTAG	1	J2
 SOIC-8_5.275x5.275mm_P1...	QSPI_Flash_SOIC8	1	U4
 SOT-23	REF3012	1	U3
 TSSOP-38_4.4x9.7mm_P0.5mm	TPD12S521	1	U7
 Xilinx_FTGB196	XC7S50-FTGB196	1	U2



Color Footprint	Value	Count	RefDes
 C_0201_0603Metric	0.47 uF	18	C4, C6, C10, C11, C16, C17, C18, C22, C26, C41, C42, C43, C44, C58, C59, C60, C61, C69
 C_0402_1005Metric	4.7 uF	10	C2, C5, C28, C29, C30, C39, C40, C54, C56, C68
 C_0402_1005Metric	0.1 uF	9	C32, C33, C35, C45, C47, C48, C49, C50, C64
 C_0402_1005Metric	1 uF	5	C36, C51, C53, C55, C57
 R_0402_1005Metric	49.9	5	R33, R46, R47, R50, R51
 CP_EIA-3216-18_Kemet-A	47 uF	4	C1, C3, C34, C52
 R_0402_1005Metric	47K	3	R41, R42, R43
 R_0402_1005Metric	4.75K	2	R34, R38
 R_0402_1005Metric	1.0K	2	R36, R37
 R_0402_1005Metric	2.2K	2	R55, R56
 L_0805	600R	2	FB1, FB2
 C_0402_1005Metric	10 nF	1	C46

