

Item #	Designator	Comment	Description	Quantity	Footprint
1	C1_A2.0, C1_A2.1, C1_A2.2, C1_A2.3, C1_A2.4, C1_A2.5, C1_A2.6, C10_A2.0, C10_A2.1, C10_A2.2, C10_A2.3, C10_A2.4, C10_A2.5, C10_A2.6, C11_A2.0, C11_A2.1, C11_A2.2, C11_A2.3, C11_A2.4, C11_A2.5, C11_A2.6, C13_A2.0, C13_A2.1, C13_A2.2, C13_A2.3, C13_A2.4, C13_A2.5, C13_A2.6, C18_A2.0, C18_A2.1, C18_A2.2, C18_A2.3, C18_A2.4, C18_A2.5, C18_A2.6, C19_A2.0, C19_A2.1, C19_A2.2, C19_A2.3, C19_A2.4, C19_A2.5, C19_A2.6, C23, C24, C25, C26, C27, C28, C35, C36, C38, C39, C42, C43, C44, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C66, C68, C69	0.1 uF	±10%, X7R, 0603	75	CAPC1608N
2	C2_A2.0, C2_A2.1, C2_A2.2, C2_A2.3, C2_A2.4, C2_A2.5, C2_A2.6, C3_A2.0, C3_A2.1, C3_A2.2, C3_A2.3, C3_A2.4, C3_A2.5, C3_A2.6, C4_A2.0, C4_A2.1, C4_A2.2, C4_A2.3, C4_A2.4, C4_A2.5, C4_A2.6, C5_A2.0, C5_A2.1, C5_A2.2, C5_A2.3, C5_A2.4, C5_A2.5, C5_A2.6, C6_A2.0, C6_A2.1, C6_A2.2, C6_A2.3, C6_A2.4, C6_A2.5, C6_A2.6, C7_A2.0, C7_A2.1, C7_A2.2, C7_A2.3, C7_A2.4, C7_A2.5, C7_A2.6, C8_A2.0, C8_A2.1, C8_A2.2, C8_A2.3, C8_A2.4, C8_A2.5, C8_A2.6, C9_A2.0, C9_A2.1, C9_A2.2, C9_A2.3, C9_A2.4, C9_A2.5, C9_A2.6, C46	560 pF	±10%, X7R, 0603	57	CAPC1608N
3	C12_A2.0, C12_A2.1, C12_A2.2, C12_A2.3, C12_A2.4, C12_A2.5, C12_A2.6, C16_A2.0, C16_A2.1, C16_A2.2, C16_A2.3, C16_A2.4, C16_A2.5, C16_A2.6	10 uF	±10%, X7R, 0603	14	CAPC1608N
4	C14_A2.0, C14_A2.1, C14_A2.2, C14_A2.3, C14_A2.4, C14_A2.5, C14_A2.6, C15_A2.0, C15_A2.1, C15_A2.2, C15_A2.3, C15_A2.4, C15_A2.5, C15_A2.6	1 uF	±10%, X7R, 0603	14	CAPC1608N
5	C17_A2.0, C17_A2.1, C17_A2.2, C17_A2.3, C17_A2.4, C17_A2.5, C17_A2.6, C29, C30, C31, C32, C45, C47	2.2 uF	±10%, X7R, 0603	13	CAPC1608N
6	C20, C37	100uF		2	TC7343-2917
7	C21, C22, C40, C41	220uF		4	TC7343-2917
8	C33, C34	0.1 uF no pop	±10%, X7R, 0603	2	CAPC1608N
9	C65, C67	47 pF	±10%, X7R, 0603	2	CAPC1608N
10	D1_A2.0, D1_A2.1, D1_A2.2, D1_A2.3, D1_A2.4, D1_A2.5, D1_A2.6	AD7607BSTZ	AD7607BSTZ ADC Simultan	7	TSQFP50P1200X1200X160-64N
11	D2	SN74LV4T125PWR	SN74LV4T125PWR voltage level converter	1	TSOP65P640X120-14N
12	D3	TPS79618DCQ	TPS79618DCQ	1	SOT127P706X180-6N
13	D4	TPS79633DCQ	TPS79633DCQ	1	SOT127P706X180-6N
14	D5	LM2940IMP-5.0/NOPB	5V LDO	1	SOT230P700X180-4N
15	D6	REF5040IDR	REF5040IDR	1	SO8
16	D7	KXO-V97 14.7456 MHz	KXO-V97 14.7456 MHz	1	KXO-V97
17	D8	5M570ZT100I5	MAX V 1.8V CPLD, 74 I/Os, 570 Logic Elements, 100-Pin TQFP, Industrial Temperature, Speed Grade 5	1	TQFP100_A-120_L
18	D9	MAX3222ECDB	RS232 driver	1	SOP65P780X200-20N
19	D10	STM32F103RF	STM32F103RF LQFP64	1	LQFP64
20	FB1, FB2, FB3	BLM21PG221SN		3	INDC2009M
21	Q1	HC-49/U3H 8MHz	Ceramic quartz	1	HC-49/U3H

22	R1_A2.0, R1_A2.1, R1_A2.2, R1_A2.3, R1_A2.4, R1_A2.5, R1_A2.6, R2_A2.0, R2_A2.1, R2_A2.2, R2_A2.3, R2_A2.4, R2_A2.5, R2_A2.6, R3_A2.0, R3_A2.1, R3_A2.2, R3_A2.3, R3_A2.4, R3_A2.5, R3_A2.6, R4_A2.0, R4_A2.1, R4_A2.2, R4_A2.3, R4_A2.4, R4_A2.5, R4_A2.6, R5_A2.0, R5_A2.1, R5_A2.2, R5_A2.3, R5_A2.4, R5_A2.5, R5_A2.6, R6_A2.0, R6_A2.1, R6_A2.2, R6_A2.3, R6_A2.4, R6_A2.5, R6_A2.6, R7_A2.0, R7_A2.1, R7_A2.2, R7_A2.3, R7_A2.4, R7_A2.5, R7_A2.6, R8_A2.0, R8_A2.1, R8_A2.2, R8_A2.3, R8_A2.4, R8_A2.5, R8_A2.6, R11_A2.0, R11_A2.1, R11_A2.2, R11_A2.3, R11_A2.4, R11_A2.5, R11_A2.6, R12_A2.0, R12_A2.1, R12_A2.2, R12_A2.3, R12_A2.4, R12_A2.5, R12_A2.6, R13_A2.0, R13_A2.1, R13_A2.2, R13_A2.3, R13_A2.4, R13_A2.5, R13_A2.6, R14_A2.0, R14_A2.1, R14_A2.2, R14_A2.3, R14_A2.4, R14_A2.5, R14_A2.6, R15_A2.0, R15_A2.1, R15_A2.2, R15_A2.3, R15_A2.4, R15_A2.5, R15_A2.6, R16_A2.0, R16_A2.1, R16_A2.2, R16_A2.3, R16_A2.4, R16_A2.5, R16_A2.6, R17_A2.0, R17_A2.1, R17_A2.2, R17_A2.3, R17_A2.4, R17_A2.5, R17_A2.6, R18_A2.0, R18_A2.1, R18_A2.2, R18_A2.3, R18_A2.4, R18_A2.5, R18_A2.6, R34	1 kOhm	±5%, 0603	113	RESC1608N
23	R9_A2.0, R9_A2.1, R9_A2.2, R9_A2.3, R9_A2.4, R9_A2.5, R9_A2.6, R28, R29, R31	47 kOhm	±5%, 0603	10	RESC1608N
24	R10_A2.0, R10_A2.1, R10_A2.2, R10_A2.3, R10_A2.4, R10_A2.5, R10_A2.6, R26, R27	47 kOhm no pop	±5%, 0603	9	RESC1608N
25	R19, R20, R23, R40, R41	10 kOhm	±5%, 0603	5	RESC1608N
26	R21, R24	14 kOhm no pop	±5%, 0603	2	RESC1608N
27	R22	30.1 kOhm no pop	±5%, 0603	1	RESC1608N
28	R25	50.1 kOhm no pop	±5%, 0603	1	RESC1608N
29	R30	0 Ohm no pop	±5%, 0603	1	RESC1608N
30	R32, R33, R37, R38	470 Ohm	±5%, 0603	4	RESC1608N
31	R35, R36	4.7 kOhm	±5%, 0603	2	RESC1608N
32	R39	100 kOhm no pop	±5%, 0603	1	RESC1608N
33	R42	1.5 kOhm	±5%, 0603	1	RESC1608N
34	R43, R44	27 Ohm	±5%, 0603	2	RESC1608N
35	TP1_A2.0, TP1_A2.1, TP1_A2.2, TP1_A2.3, TP1_A2.4, TP1_A2.5, TP1_A2.6, TP2, TP3, TP4, TP5, TP6, TP7	PLS-1		13	TPSW
36	VD1, VD2,	KP-1608SURC	red	2	LED1608N
	VD3,	KP-1608SGC	green	1	LED1608N
	VD4	KP-1608SYC	yellow	1	LED1608N
39	X1_A2.0, X1_A2.1, X1_A2.2, X1_A2.3, X1_A2.4, X1_A2.5, X1_A2.6	PLD-16	ADC connector	7	PLD-16
40	X2, X3, X6	PLS-5	PLS-5	3	PLS-5
41	X4, X7, X8	PLD-20	ADCOUT connector	3	PLD-20
42	X5	PLD-10		1	PLD-10
43	X9	USB Mini-B		1	USBMINIB