

Table 1

Item	Qty	Reference(s)	Value	LibPart	Footprint		Alternative	Assembly	Elecrow ID	Elecrow Part	Elecrow Value	Part ID	Digikey	Mouser	Comment
1	4	C201; C501; C502; C503	10u	device:C	Capacitors_SMD:C_0805	0805			16532	C15850	10uF (106) ±10% 25V				
2	3	C202; C306; C307	22p	device:C	Capacitors_SMD:C_0805	0805			2156	C1804	22pF (220) ±5% 50V				
3	1	C203	470p	device:C	Capacitors_SMD:C_0805	0805			2095	C1743	470pF (471) ±10% 50V				
4	8	C301; C302; C303; C304; C305; C402; C403; C504	100n	device:C	Capacitors_SMD:C_0805	0805			50686	C49678	100nF(104) ±10% 50V				
5	1	C401	4u7 25V	device:CP	Capacitors_THT:CP_Radial_D5.0mm_P2.00mm	P2.00mm		DNP							
6	1	C404	47u 16V	device:CP	Capacitors_THT:CP_Radial_D6.3mm_P2.50mm	P2.50mm						47µF 16V aluminum electrolytic capacitor	<a href="https://www.digikey.de/product-detail/de/panasonic-electronic-components/ECA-1CM470I/P19515CT-ND/6109413">https://www.digikey.de/product-detail/de/panasonic-electronic-components/ECA-1CM470I/P19515CT-ND/6109413</a>	<a href="https://www.mouser.de/ProductDetail/Panasonic/ECA-1CM470I?qs=%2fha2pyFaduJAPpfFK37UwV0NUg4vm78ktBQN4kCKH%252b32IYO6pbmN3Q%3d%3d">https://www.mouser.de/ProductDetail/Panasonic/ECA-1CM470I?qs=%2fha2pyFaduJAPpfFK37UwV0NUg4vm78ktBQN4kCKH%252b32IYO6pbmN3Q%3d%3d</a>	Or similar part
7	1	CON301	AVR_ISP	atmel:AVR-ISP-6	Connectors_IDC:IDC-Header_2x03_Pitch2.54mm_Straight	Straight						IDC-Header 02x03 Pitch 2.54mm Straight	<a href="https://www.digikey.de/product-detail/de/amphenol-fci/75869-331LF/609-5122-ND/1523699">https://www.digikey.de/product-detail/de/amphenol-fci/75869-331LF/609-5122-ND/1523699</a>	<a href="https://www.mouser.de/ProductDetail/Wurth-Electronics/61200621621?qs=sGAEpiMZZMs%252bGHln7q6pm%2fFhW%252btWvhAgbNxr%252blwXp8lp%2fAN9J9VOg%3d%3d">https://www.mouser.de/ProductDetail/Wurth-Electronics/61200621621?qs=sGAEpiMZZMs%252bGHln7q6pm%2fFhW%252btWvhAgbNxr%252blwXp8lp%2fAN9J9VOg%3d%3d</a>	Or similar part
8	3	D201; D202; D401	1N4148	device:D	Diodes_SMD:D_SOD-123	SOD-123						1N4148W-7-F	<a href="https://www.digikey.de/product-detail/de/diodes-incorporated/1N4148W-7-F/1N4148W-FDICT-ND/815280">https://www.digikey.de/product-detail/de/diodes-incorporated/1N4148W-7-F/1N4148W-FDICT-ND/815280</a>	<a href="https://eu.mouser.com/ProductDetail/Diodes-Incorporated/1N4148W-7-F?qs=sGAEpiMZZMtoHJESLtlvkiKikX2YhTL0GOOrSkzAUFgM%3d">https://eu.mouser.com/ProductDetail/Diodes-Incorporated/1N4148W-7-F?qs=sGAEpiMZZMtoHJESLtlvkiKikX2YhTL0GOOrSkzAUFgM%3d</a>	
9	2	D402; D502	LED2	device:LED	LEDs:LED_D3.0mm	D3.0mm		DNP							
10	1	D403	PMEG4010ER	device:D_Schottky	Diodes_SMD:D_SOD-123	SOD-123	MBR140ESFT3G					PMEG4010ER,115	<a href="https://www.digikey.de/product-detail/de/nexperia-usa-inc/PMEG4010ER115/1727-5213-1-ND/2531812">https://www.digikey.de/product-detail/de/nexperia-usa-inc/PMEG4010ER115/1727-5213-1-ND/2531812</a>	<a href="https://www.mouser.de/ProductDetail/Nexperia/PMEG4010ER115?qs=%2fha2pyFaduH7rVbDfIoTUYtTwXe2pgX5eOllwv%2fG0rG37GgwBI8cXQ%3d%3d">https://www.mouser.de/ProductDetail/Nexperia/PMEG4010ER115?qs=%2fha2pyFaduH7rVbDfIoTUYtTwXe2pgX5eOllwv%2fG0rG37GgwBI8cXQ%3d%3d</a>	
11	1	D501	LED1	device:LED	LEDs:LED_D3.0mm	D3.0mm		DNP							
12	1	J201	Bus	Connector:Conn_02x05_Odd_Even	Connectors_IDC:IDC-Header_2x05_Pitch2.54mm_Straight	Straight						IDC-Header 02x05 Pitch 2.54mm Straight	<a href="https://www.digikey.de/product-detail/de/on-shore-technology-inc/302-S101/ED1543-ND/2178422">https://www.digikey.de/product-detail/de/on-shore-technology-inc/302-S101/ED1543-ND/2178422</a>	<a href="https://www.mouser.de/ProductDetail/Wurth-Electronics/61201021621?qs=sGAEpiMZZMs%252bGHln7q6pm%252bxnWLFLL2%2f93mYWvuMVZAY%3d">https://www.mouser.de/ProductDetail/Wurth-Electronics/61201021621?qs=sGAEpiMZZMs%252bGHln7q6pm%252bxnWLFLL2%2f93mYWvuMVZAY%3d</a>	Or similar part
13	1	J301	Power B	Connector:Conn_02x06_Odd_Even	Socket_Strips:Socket_Strip_Straight_2x06_Pitch2.54mm	Pitch2.54mm		DNP							
14	1	J302	Port B	Connector:Conn_01x06	Socket_Strips:Socket_Strip_Straight_1x06_Pitch2.54mm	Pitch2.54mm		DNP							
15	1	J303	Spare	Connector:Conn_01x02	Socket_Strips:Socket_Strip_Straight_1x02_Pitch2.54mm	Pitch2.54mm		DNP							
16	1	J304	UART	Connector:Conn_01x03	Socket_Strips:Socket_Strip_Straight_1x03_Pitch2.54mm	Pitch2.54mm		DNP							
17	1	J305	ADC6	Connector:Conn_01x03	Socket_Strips:Socket_Strip_Straight_1x03_Pitch2.54mm	Pitch2.54mm		DNP							
18	1	J306	ADC7	Connector:Conn_01x03	Socket_Strips:Socket_Strip_Straight_1x03_Pitch2.54mm	Pitch2.54mm		DNP							
19	1	J401	6.5V-12V	Connector:Conn_01x02	TerminalBlock_MetzConnect:TerminalBlock_MetzConnect_Type055_RT01502HDWU_Pitch5.00mm	Pitch5.00mm		DNP							
20	1	J402	5V	Connector:Conn_01x02	TerminalBlock_MetzConnect:TerminalBlock_MetzConnect_Type055_RT01502HDWU_Pitch5.00mm	Pitch5.00mm						Terminal 2 Pin Pitch 5mm	<a href="https://www.digikey.de/product-detail/de/amphenol-anytek/VI0201550000G/609-3927-ND/2261273">https://www.digikey.de/product-detail/de/amphenol-anytek/VI0201550000G/609-3927-ND/2261273</a>	<a href="https://www.mouser.de/ProductDetail/Bussmann-Eaton/EM367502?qs=sGAEpiMZZMvZTcaMAxB2AGvITGt7Cc9hNQ4%2fKdPtE8w%3d">https://www.mouser.de/ProductDetail/Bussmann-Eaton/EM367502?qs=sGAEpiMZZMvZTcaMAxB2AGvITGt7Cc9hNQ4%2fKdPtE8w%3d</a>	Or similar part
21	1	J501	IR LED	Connector:Conn_01x03	Connectors_Molex:Molex_KK-6410-03_03x2.54mm_Straight	Straight						Molex locking header Pitch 2.54mm 3 Pin	<a href="https://www.digikey.de/product-detail/de/sullins-connector-solutions/SWR25X-NRTC-S03-ST-BA/S9411-ND/2769653">https://www.digikey.de/product-detail/de/sullins-connector-solutions/SWR25X-NRTC-S03-ST-BA/S9411-ND/2769653</a>	<a href="https://www.mouser.de/ProductDetail/Molex/22-28-0030?qs=sGAEpiMZZMs%252bGHln7q6pmxD%2f5kNjnZvZCYy0rFr0qA%3d">https://www.mouser.de/ProductDetail/Molex/22-28-0030?qs=sGAEpiMZZMs%252bGHln7q6pmxD%2f5kNjnZvZCYy0rFr0qA%3d</a>	Or similar part
22	1	J502	Button	Connector:Conn_01x02	Connectors_Molex:Molex_KK-6410-02_02x2.54mm_Straight	Straight						Molex locking header Pitch 2.54mm 2 Pin	<a href="https://www.digikey.de/product-detail/de/sullins-connector-solutions/SWR25X-NRTC-S02-ST-BA/S9407-ND/2769652">https://www.digikey.de/product-detail/de/sullins-connector-solutions/SWR25X-NRTC-S02-ST-BA/S9407-ND/2769652</a>	<a href="https://www.mouser.de/ProductDetail/Molex/22-28-0020?qs=sGAEpiMZZMs%252bGHln7q6pm%252bS0pk2Wo0XxW6Wmp6l5P6k%3d">https://www.mouser.de/ProductDetail/Molex/22-28-0020?qs=sGAEpiMZZMs%252bGHln7q6pm%252bS0pk2Wo0XxW6Wmp6l5P6k%3d</a>	Or similar part
23	1	Q501	NTR4003N	device:Q_NMOS_GSD	TO_SOT_Packages_SMD:SOT-23	SMD:SOT-23	Logic Level N-ch 500mA MOS					NTR4003NT1G	<a href="https://www.digikey.de/product-detail/de/on-semiconductor/NTR4003NT1G/NTR4003NT1GOSCT-ND/1967270">https://www.digikey.de/product-detail/de/on-semiconductor/NTR4003NT1G/NTR4003NT1GOSCT-ND/1967270</a>	<a href="https://www.mouser.de/ProductDetail/ON-Semiconductor/NTR4003NT1G?qs=sGAEpiMZZMshyDBzk1%2fWi4hQ7dFcTiZlRq92fftwFXs%3d">https://www.mouser.de/ProductDetail/ON-Semiconductor/NTR4003NT1G?qs=sGAEpiMZZMshyDBzk1%2fWi4hQ7dFcTiZlRq92fftwFXs%3d</a>	
24	5	R201; R506; R507; R508; R509	10k	device:R	Resistors_SMD:R_0805	0805			18102	C17414	10KΩ (1002) ±1%				
25	5	R202; R204; R301; R302; R303	1k	device:R	Resistors_SMD:R_0805	0805			18201	C17513	1KΩ (1001) ±1%				
26	1	R203	150Ω	device:R	Resistors_SMD:R_0805	0805			18159	C17471	150Ω (1500) ±1%				
27	3	R205; R501; R504	100Ω	device:R	Resistors_SMD:R_0805	0805			18096	C17408	100Ω (1000) ±1%				
28	1	R206	22k	device:R	Resistors_SMD:R_0805	0805			18248	C17560	22KΩ (2202) ±1%				
29	1	R207	3.3k	device:R	Resistors_SMD:R_0805	0805			26753	C26010	3.3KΩ (3301) ±1%				
30	2	R208; R401	2.2k	device:R	Resistors_SMD:R_0805	0805			18208	C17520	2.2KΩ (2201) ±1%				
31	1	R502	100k	device:R	Resistors_SMD:R_0805	0805			18095	C17407	100KΩ (1003) ±1%				
32	1	R503	220Ω	device:R	Resistors_SMD:R_0805	0805			18245	C17557	220Ω (2200) ±1%				
33	1	R505	47Ω	device:R	Resistors_SMD:R_0805	0805			18402	C17714	47Ω (47R0) ±1%				
34	2	R510; R511	470Ω	device:R	Resistors_SMD:R_0805	0805			18398	C17710	470Ω (4700) ±1%				
35	1	SW501	Reset	Switch:SW_Push	Buttons_Switches_THT:SW_PUSH_6mm_h5mm	h5mm		DNP							
36	1	SW502	Push 1	Switch:SW_Push	Buttons_Switches_THT:SW_PUSH_6mm_h5mm	h5mm		DNP							
37	1	SW503	Push 2	Switch:SW_Push	Buttons_Switches_THT:SW_PUSH_6mm_h5mm	h5mm		DNP							
38	1	U201	ST485C	ledbox-newsymbols:SN75176B	Housings_SOIC:SOIC-8_3.9x4.9mm_Pitch1.27mm	Pitch1.27mm						ST485CDR	<a href="https://www.digikey.de/product-detail/de/stmicroelectronics/ST485CDR/497-3734-1-ND/686452">https://www.digikey.de/product-detail/de/stmicroelectronics/ST485CDR/497-3734-1-ND/686452</a>	<a href="https://www.mouser.de/ProductDetail/STMicroelectronics/ST485CDR?qs=%2fha2pyFaduIjz7CAuOOaQ2%252b3HL3LBDsX4L0SQNT1A%3d">https://www.mouser.de/ProductDetail/STMicroelectronics/ST485CDR?qs=%2fha2pyFaduIjz7CAuOOaQ2%252b3HL3LBDsX4L0SQNT1A%3d</a>	
39	1	U301	ATMEGA88A-AU	atmel:ATMEGA88A-AU	Housings_QFP:TQFP-32_7x7mm_Pitch0.8mm	Pitch0.8mm						ATMEGA88A-AU	<a href="https://www.digikey.de/product-detail/de/microchip-technology/ATMEGA88A-AU/ATMEGA88A-AU-ND/2271018">https://www.digikey.de/product-detail/de/microchip-technology/ATMEGA88A-AU/ATMEGA88A-AU-ND/2271018</a>	<a href="https://www.mouser.de/ProductDetail/Microchip-Technology-Atmel/ATMEGA88A-AU?qs=sGAEpiMZZMvqv2n3s2xjse40PngS4U1xyAVvVelwuh8%3d">https://www.mouser.de/ProductDetail/Microchip-Technology-Atmel/ATMEGA88A-AU?qs=sGAEpiMZZMvqv2n3s2xjse40PngS4U1xyAVvVelwuh8%3d</a>	
40	1	U401	AZ1117-5.0	regul:AZ1117-5.0	TO_SOT_Packages_SMD:SOT-223-3_TabPin2	TabPin2		DNP							
41	3	U501; U502; U503	WS2812B	worldsemi:WS2812B	LEDs:LED_WS2812B-PLCC4	WS2812B-PLCC4						WS2812B	-	-	
42	1	Y301	20MHz	device:Crystal	Crystals:Crystal_HC49-U_Vertical	Vertical						CRYSTAL 20.0000MHZ 20PF	<a href="https://www.digikey.de/product-detail/de/txc-corporation/9B-20.000MBBK-B/887-2018-ND/3522107">https://www.digikey.de/product-detail/de/txc-corporation/9B-20.000MBBK-B/887-2018-ND/3522107</a>	<a href="https://www.mouser.de/ProductDetail/Fox/FOXSLF-200-20?qs=sGAEpiMZZMsBj6bBr9Q9aRTaFi3VVGpid2PX1XJSqd4%3d">https://www.mouser.de/ProductDetail/Fox/FOXSLF-200-20?qs=sGAEpiMZZMsBj6bBr9Q9aRTaFi3VVGpid2PX1XJSqd4%3d</a>	Or similar part



Table 1									
Component ID	Component Part Number	Value	Component category	Component type	Footprint	Accuracy	0.05mm x 0.05mm	Accuracy	
1904	C1582	1.56f (1R5) ±0.25f 50V	SMD Capacitor	0402CG1R5C00N	0402	±0.25pF	04021R5F (1R5) ±0.25pF 50V	±0.25pF	0.25pF
1901	C1589	2.2f (2R2) ±0.25f 50V	SMD Capacitor	0402CG2R2C00N	0402	±0.25pF	04022R2F (2R2) ±0.25pF 50V	±0.25pF	0.25pF
1902	C1590	10f (10R) ±0.25f 50V	SMD Capacitor	0402CG10R0C00N	0402	±0.25pF	040210R0F (10R) ±0.25pF 50V	±0.25pF	0.25pF
1901	C1609	1.56f (1R5) ±0.25f 50V	SMD Capacitor	0603CG1R5C00N	0603	±0.25pF	06031R5F (1R5) ±0.25pF 50V	±0.25pF	0.25pF
2021	C1669	4.7f (4R7) ±0.25f 50V	SMD Capacitor	0603CG4R7C00N	0603	±0.25pF	06034R7F (4R7) ±0.25pF 50V	±0.25pF	0.25pF
2031	C1679	6.8f (6R8) ±0.25f 50V	SMD Capacitor	0603CG6R8C00N	0603	±0.25pF	06036R8F (6R8) ±0.25pF 50V	±0.25pF	0.25pF
1681	C1687	2.7f (2R7) ±0.25f 50V	SMD Capacitor	CL10C2R7CB8NN	0603	±0.25pF	06032R7F (2R7) ±0.25pF 50V	±0.25pF	0.25pF
2231	C121995	200f (200) ±0.25f 50V	SMD Capacitor	CL10C200CB8NN	0603	±0.25pF	0603200F (200) ±0.25pF 50V	±0.25pF	0.25pF
24709	C23969	1.0f (10R) ±0.25f 50V	SMD Capacitor	CL10C10R0CB8NN	0603	±0.25pF	060310R0F (10R) ±0.25pF 50V	±0.25pF	0.25pF
38453	C43174	68f (6R8) ±0.25f 50V	SMD Capacitor	0603CG6R8C00N	0603	±0.25pF	06036R8F (6R8) ±0.25pF 50V	±0.25pF	0.25pF
47222	C48219	3pF (3R0) ±0.25f 50V	SMD Capacitor	0603CG3R0C00N	0603	±0.25pF	06033R0F (3R0) ±0.25pF 50V	±0.25pF	0.25pF
2140	C1788	1.16f (1R6) ±0.25f 50V	SMD Capacitor	0402CG1R6C00N	0605	±0.25pF	06051R6F (1R6) ±0.25pF 50V	±0.25pF	0.25pF
2152	C1803	2.5f (2R5) ±0.25f 50V	SMD Capacitor	0605CG2R5C00N	0605	±0.25pF	06052R5F (2R5) ±0.25pF 50V	±0.25pF	0.25pF
2155	C1800	2.7f (2R7) ±0.25f 50V	SMD Capacitor	0605CG2R7C00N	0605	±0.25pF	06052R7F (2R7) ±0.25pF 50V	±0.25pF	0.25pF
2172	C1820	4.7f (4R7) ±0.25f 50V	SMD Capacitor	0605CG4R7C00N	0605	±0.25pF	06054R7F (4R7) ±0.25pF 50V	±0.25pF	0.25pF
68656	C1832	68f (6R8) ±0.25f 50V	SMD Capacitor	0605CG6R8C00N	0605	±0.25pF	06056R8F (6R8) ±0.25pF 50V	±0.25pF	0.25pF
2194	C1860	6.8f (6R8) ±0.25f 50V	SMD Capacitor	0605CG6R8C00N	0605	±0.25pF	06056R8F (6R8) ±0.25pF 50V	±0.25pF	0.25pF
50686	C40678	100f (10R) ±10% 50V	SMD Capacitor	C2006R100F0R8B104	0605	±10%	060510R0F (10R) ±10% 50V	±10%	0V
4516	C4109	2K0 (200) ±1%	SMD Resistor	20K (200) ±1%	0402	±1%	04022K0 (200) ±1%	±1%	1%
26533	C1790	470K (470) ±1%	SMD Resistor	RT020470JTH	0402	±1%	0402470K (470) ±1%	±1%	1%
17853	C17168	0.0 (0R0) ±1%	SMD Resistor	0402WGF0000TCE	0402	±1%	0402000 (0R0) ±1%	±1%	1%
26119	C21678	100K (100) ±1%	SMD Resistor	0402WGF1000TCE	0402	±1%	0402100K (100) ±1%	±1%	1%
25835	C25082	22Ω (22R0) ±1%	SMD Resistor	0402WGF220TCE	0402	±1%	040222Ω (22R0) ±1%	±1%	1%
25800	C25117	470K (470) ±1%	SMD Resistor	0402WGF470TCE	0402	±1%	0402470K (470) ±1%	±1%	1%
25863	C25125	49.0K (49R0) ±1%	SMD Resistor	0402WGF49K0TCE	0402	±1%	040249K (49R0) ±1%	±1%	1%
26484	C25741	100K (100) ±1%	SMD Resistor	0402WGF100TCE	0402	±1%	0402100K (100) ±1%	±1%	1%
26487	C25744	100K (100) ±1%	SMD Resistor	0402WGF100TCE	0402	±1%	0402100K (100) ±1%	±1%	1%
12256	C11702	1K0 (100) ±1%	SMD Resistor	0402WGF100TCE	0402	±1%	04021K0 (100) ±1%	±1%	1%
26535	C25792	47K0 (470) ±1%	SMD Resistor	0402WGF470TCE	0402	±1%	040247K (470) ±1%	±1%	1%
26539	C25796	56K0 (560) ±1%	SMD Resistor	0402WGF56K0TCE	0402	±1%	040256K (560) ±1%	±1%	1%
26610	C25867	1.5K0 (150) ±1%	SMD Resistor	0402WGF150TCE	0402	±1%	040215K (150) ±1%	±1%	1%
26622	C25878	2.2K0 (220) ±1%	SMD Resistor	0402WGF220TCE	0402	±1%	040222K (220) ±1%	±1%	1%
26633	C25880	3.3K0 (330) ±1%	SMD Resistor	0402WGF330TCE	0402	±1%	040233K (330) ±1%	±1%	1%
26643	C25900	4.7K0 (470) ±1%	SMD Resistor	0402WGF470TCE	0402	±1%	040247K (470) ±1%	±1%	1%
26626	C26083	1M0 (100) ±1%	SMD Resistor	0402WGF100TCE	0402	±1%	04021M0 (100) ±1%	±1%	1%
4591	C4172	1.5M0 (150) ±1%	SMD Resistor	0603WAF150TSE	0603	±1%	060315M (150) ±1%	±1%	1%
4591	C4184	20K0 (200) ±1%	SMD Resistor	0603WAF200TSE	0603	±1%	060320K (200) ±1%	±1%	1%
4623	C4216	33K0 (330) ±1%	SMD Resistor	0603WAF330TSE	0603	±1%	060333K (330) ±1%	±1%	1%
4626	C4275	75Ω (75R) ±1%	SMD Resistor	0603WAF750TSE	0603	±1%	060375Ω (75R) ±1%	±1%	1%
7782	C4750	10M0 (100) ±1%	SMD Resistor	0603WAF100TSE	0603	±1%	060310M (100) ±1%	±1%	1%
8708	C8218	20K0 (200) ±1%	SMD Resistor	0603WAF200TSE	0603	±1%	060320K (200) ±1%	±1%	1%
13081	C12447	40.2K (402) ±1%	SMD Resistor	0603WAF402TSE	0603	±1%	060340K (402) ±1%	±1%	1%
13967	C13320	5.1M0 (510) ±1%	SMD Resistor	0603F510TSE	0603	±1%	06035M (510) ±1%	±1%	1%
21904	C21180	1K0 (100) ±1%	SMD Resistor	0603F100TSE	0603	±1%	06031K (100) ±1%	±1%	1%
23492	C22765	1.2K0 (120) ±1%	SMD Resistor	0603WAF120TSE	0603	±1%	060312K (120) ±1%	±1%	1%
23493	C22766	1.2M0 (120) ±1%	SMD Resistor	0603WAF120TSE	0603	±1%	060312M (120) ±1%	±1%	1%
23502	C22775	10K0 (100) ±1%	SMD Resistor	0603WAF100TSE	0603	±1%	060310K (100) ±1%	±1%	1%
23514	C22787	120K (120) ±1%	SMD Resistor	0603WAF120TSE	0603	±1%	060312K (120) ±1%	±1%	1%
23517	C22790	12K0 (120) ±1%	SMD Resistor	0603WAF120TSE	0603	±1%	060312K (120) ±1%	±1%	1%
23524	C22787	13K0 (130) ±1%	SMD Resistor	0603WAF130TSE	0603	±1%	060313K (130) ±1%	±1%	1%
23534	C22807	150K (150) ±1%	SMD Resistor	0603WAF150TSE	0603	±1%	060315K (150) ±1%	±1%	1%
23535	C22808	150K (150) ±1%	SMD Resistor	0603WAF150TSE	0603	±1%	060315K (150) ±1%	±1%	1%
23536	C22809	15K0 (150) ±1%	SMD Resistor	0603WAF150TSE	0603	±1%	060315K (150) ±1%	±1%	1%
23537	C22810	15Ω (15R) ±1%	SMD Resistor	0603WAF150TSE	0603	±1%	060315Ω (15R) ±1%	±1%	1%
23545	C23818	16K0 (160) ±1%	SMD Resistor	0603WAF160TSE	0603	±1%	060316K (160) ±1%	±1%	1%
23554	C23827	16K0 (160) ±1%	SMD Resistor	0603WAF160TSE	0603	±1%	060316K (160) ±1%	±1%	1%
23555	C23828	16K0 (160) ±1%	SMD Resistor	0603WAF160TSE	0603	±1%	060316K (160) ±1%	±1%	1%
23570	C23843	1.5K0 (150) ±1%	SMD Resistor	0603WAF150TSE	0603	±1%	060315K (150) ±1%	±1%	1%
4584	C4177	1.8K0 (180) ±1%	SMD Resistor	0603WAF180TSE	0603	±1%	060318K (180) ±1%	±1%	1%
23579	C23852	1.8M0 (180) ±1%	SMD Resistor	0603WAF180TSE	0603	±1%	060318M (180) ±1%	±1%	1%
23586	C23859	100 (10R) ±1%	SMD Resistor	0603WAF100TSE	0603	±1%	0603100 (10R) ±1%	±1%	1%
23602	C23935	1M0 (100) ±1%	SMD Resistor	0603WAF100TSE	0603	±1%	06031M (100) ±1%	±1%	1%
23603	C23936	1Ω (10R) ±1%	SMD Resistor	0603WAF100TSE	0603	±1%	06031Ω (10R) ±1%	±1%	1%
4597	C4190	2.2K0 (220) ±1%	SMD Resistor	0603WAF220TSE	0603	±1%	060322K (220) ±1%	±1%	1%
23665	C23938	2.2M0 (220) ±1%	SMD Resistor	0603WAF220TSE	0603	±1%	060322M (220) ±1%	±1%	1%
23666	C23939	2.2Ω (22R) ±1%	SMD Resistor	0603WAF220TSE	0603	±1%	060322Ω (22R) ±1%	±1%	1%
23667	C23940	2.4K0 (240) ±1%	SMD Resistor	0603WAF240TSE	0603	±1%	060324K (240) ±1%	±1%	1%
13814	C13167	2.7K0 (270) ±1%	SMD Resistor	0603WAF270TSE	0603	±1%	060327K (270) ±1%	±1%	1%
23677	C22960	20Ω (20R) ±1%	SMD Resistor	0603WAF200TSE	0603	±1%	060320Ω (20R) ±1%	±1%	1%
23688	C22961	220K (220) ±1%	SMD Resistor	0603WAF220TSE	0603	±1%	0603220K (220) ±1%	±1%	1%
23689	C22962	220Ω (220) ±1%	SMD Resistor	0603WAF220TSE	0603	±1%	0603220Ω (220) ±1%	±1%	1%
23692	C22965	270K (270) ±1%	SMD Resistor	0603WAF270TSE	0603	±1%	0603270K (270) ±1%	±1%	1%
23693	C22966	270Ω (270) ±1%	SMD Resistor	0603WAF270TSE	0603	±1%	0603270Ω (270) ±1%	±1%	1%
23694	C22967	27K0 (270) ±1%	SMD Resistor	0603WAF270TSE	0603	±1%	060327K (270) ±1%	±1%	1%
23702	C22975	2K0 (200) ±1%	SMD Resistor	0603WAF200TSE	0603	±1%	06032K (200) ±1%	±1%	1%
23703	C22978	2M0 (200) ±1%	SMD Resistor	0603WAF200TSE	0603	±1%	06032M (200) ±1%	±1%	1%
23704	C22977	2Ω (20R) ±1%	SMD Resistor	0603WAF200TSE	0603	±1%	06032Ω (20R) ±1%	±1%	1%
23705	C22978	3.3K0 (330) ±1%	SMD Resistor	0603WAF330TSE	0603	±1%	060333K (330) ±1%	±1%	1%
23707	C22980	3.6K0 (360) ±1%	SMD Resistor	0603WAF360TSE	0603	±1%	060336K (360) ±1%	±1%	1%
23745	C23018	3.9K0 (390) ±1%	SMD Resistor	0603WAF390TSE	0603	±1%	060339K (390) ±1%	±1%	1%
23751	C23024	300K (300) ±1%	SMD Resistor	0603WAF300TSE	0603	±1%	0603300K (300) ±1%	±1%	1%
23752	C23025	300K (300) ±1%	SMD Resistor	0603WAF300TSE	0603	±1%	0603300K (300) ±1%	±1%	1%
23773	C23046	4.98K (498) ±1%	SMD Resistor	0603WAF498TSE	0603	±1%	060349K (498) ±1%	±1%	1%
21903	C21189	0.0 (0R0) ±1%	SMD Resistor	0603WAF000TSE	0603	±1%	0603000 (0R0) ±1%	±1%	1%
23804	C23137	330K (330) ±1%	SMD Resistor	0603WAF330TSE	0603	±1%	060333K (330) ±1%	±1%	1%
23805	C23138	330K (330) ±1%	SMD Resistor	0603WAF330TSE	0603	±1%	060333K (330) ±1%	±1%	1%
23807	C23140	33Ω (33R) ±1%	SMD Resistor	0603WAF330TSE	0603	±1%	060333Ω (33R) ±1%	±1%	1%
23874	C23147	36K (360) ±1%	SMD Resistor	0603WAF360TSE	0603	±1%	060336K (360) ±1%	±1%	1%
23877	C23150	390K (390) ±1%	SMD Resistor	0603WAF390TSE	0603	±1%	060339K (390) ±1%	±1%	1%
23878	C23151	390K (390) ±1%	SMD Resistor	0603WAF390TSE	0603	±1%	060339K (390) ±1%	±1%	1%
23880	C23153	39K (390) ±1%	SMD Resistor	0603WAF390TSE	0603	±1%	060339K (390) ±1%	±1%	1%
4618	C4211	3K0 (300) ±1%	SMD Resistor	0603WAF300TSE	0603	±1%	06033K (300) ±1%	±1%	1%
23883	C23156	3M0 (300) ±1%	SMD Resistor	0603WAF300TSE	0603	±1%	06033M (300) ±1%	±1%	1%
23886	C23159	4.3K (430) ±1%	SMD Resistor	0603WAF430TSE	0603	±1%	060343K (430) ±1%	±1%	1%
23889	C23162	4.7K (470) ±1%	SMD Resistor	0603WAF470TSE	0603	±1%	060347K (470) ±1%	±1%	1%
23890	C23163	4.7K0 (470) ±1%	SMD Resistor	0603WAF470TSE	0603	±1%	060347K (470) ±1%	±1%	1%
23891	C23164	4.7Ω (470) ±1%	SMD Resistor	0603WAF470TSE	0603	±1%	060347Ω (470) ±1%	±1%	1%
23892	C23172	43K0 (430) ±1%	SMD Resistor	0603WAF430TSE	0603	±1%	060343K (430) ±1%	±1%	1%
23905	C23178	470K (470) ±1%	SMD Resistor	0603WAF470TSE	0603	±1%	0603470K (470) ±1%	±1%	1%
23906	C23179	47K0 (470) ±1%	SMD Resistor	0603WAF470TSE	0603	±1%	060347K (470) ±1%	±1%	1%
23922	C23182	47Ω (470) ±1%	SMD Resistor	0603WAF470TSE	0603	±1%	060347Ω (470) ±1%	±1%	1%
23911	C23184	49.0K (490) ±1%	SMD Resistor	0603WAF490TSE	0603	±1%	060349K (490) ±1%	±1%	1%
23912	C23185	49.5K (49R) ±1%	SMD Resistor	0603WAF490TSE	0603	±1%	060349K (49R) ±1%	±1%	1%
23913	C23186	5.1K0 (5							