## Table 1

m Qty Reference(s)	Value	LibPart	Footprint		Alternative	Assembly Elecrow	ID Elecrow Pa	rt 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				
<b>2</b> 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% 50	/			
4 8 C301; C302; C303; C304; C305; C402; C403; C5	04 100n	device:C	Capacitors_SMD:C_0805	0805		50686	C49678	100nF(104) ±10% 50\	,			
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 capa	citor https://www.digikey.de/product-detail/de/panasonic-electronic-components/ECA-1CM470I/P19515CT-ND/6109413	https://www.mouser.de/ProductDetail/Panasonic/ECA-1CM470I?qs=%2fha2pyFadujAPpfFK37UwV0NUg4vm78ktBQN4kCKH%252b32IYO6pbmN3Q%3d%3d	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 Stra	aight https://www.digikey.de/product-detail/de/amphenol-fci/75869-331LF/609-5122-ND/1523699	https://www.mouser.de/ProductDetail/Wurth-Electronics/61200621621?qs=sGAEpiMZZMs%252bGHln7q6pm%2fFhW%252btWvhAgbNxkR%252blwXp8lp%2fAN9J9V	/Og%3d%3d Or similar part
8 3 D201; D202; D401	1N4148	device:D	Diodes_SMD:D_SOD-123	SOD-123					1N4148W-7-F	https://www.digikey.de/product-detail/de/diodes-incorporated/1N4148W-7-F/1N4148W-FDICT-ND/815280	https://eu.mouser.com/ProductDetail/Diodes-Incorporated/1N4148W-7-F?qs=sGAEpiMZZMtoHjESLttvkiKikX2YhTL0GOrSkzAUFgM%3d	
9 2 D402; D502	LED2	device:LED	LEDs:LED_D3.0mm	D3.0mm		DNP						
<b>0</b> 1 D403	PMEG4010ER	device:D_Schottky	Diodes_SMD:D_SOD-123	SOD-123	MBR140ESFT3G				PMEG4010ER,115	https://www.digikey.de/product-detail/de/nexperia-usa-inc/PMEG4010ER115/1727-5213-1-ND/2531812	https://www.mouser.de/ProductDetail/Nexperia/PMEG4010ER115?qs=%2fha2pyFaduh7rWbDfloTUYtTwXe2pgX5eOllwv%2fG0rG37GgwBl8cXQ%3d%3d	
11 1 D501	LED1	device:LED	LEDs:LED_D3.0mm	D3.0mm		DNP						
12 1 J201	Bus	Connector:Conn_02x05_Odd_Ever	Connectors_IDC:IDC-Header_2x05_Pitch2.54mm_Straight	Straight					IDC-Header 02x05 Pitch 2.54mm Stra	aight https://www.digikey.de/product-detail/de/on-shore-technology-inc/302-S101/ED1543-ND/2178422	https://www.mouser.de/ProductDetail/Wurth-Electronics/61201021621?qs=sGAEpiMZZMs%252bGHln7q6pm%252bxnWLfLL2%2f93mYWvuMVZAY%3d	Or similar part
<b>3</b> 1 J301	Power B	Connector:Conn_02x06_Odd_Ever	Socket_Strips:Socket_Strip_Straight_2x06_Pitch2.54mm	Pitch2.54mm		DNP						
4 1 J302	Port B	Connector:Conn_01x06	Socket_Strips:Socket_Strip_Straight_1x06_Pitch2.54mm	Pitch2.54mm		DNP						
<b>5</b> 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						
<b>19</b> 1 J401	6.5V-12V	Connector:Conn_01x02	TerminalBlock_MetzConnect:TerminalBlock_MetzConnect_Type055_RT01502HDWU_Pitch5.00mn	m Pitch5.00mm		DNP						
<b>0</b> 1 J402	5V	Connector:Conn_01x02	TerminalBlock_MetzConnect:TerminalBlock_MetzConnect_Type055_RT01502HDWU_Pitch5.00mn	m Pitch5.00mm					Terminal 2 Pin Pitch 5mm	https://www.digikey.de/product-detail/de/amphenol-anytek/VI0201550000G/609-3927-ND/2261273	https://www.mouser.de/ProductDetail/Bussmann-Eaton/EM367502?qs=sGAEpiMZZMvZTcaMAxB2AGvjTGt7Cc9hNQ4%2fKDptE8w%3d	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	B Pin https://www.digikey.de/product-detail/de/sullins-connector-solutions/SWR25X-NRTC-S03-ST-BA/S9411-ND/276965	https://www.mouser.de/ProductDetail/Molex/22-28-0030?qs=sGAEpiMZZMs%252bGHln7q6pmxD%2f5kNJnZVeZCYy0rFr0qA%3d	Or similar part
2 1 J502	Button	Connector:Conn_01x02	Connectors_Molex:Molex_KK-6410-02_02x2.54mm_Straight	Straight					Molex locking header Pitch 2.54mm 2	2 Pin https://www.digikey.de/product-detail/de/sullins-connector-solutions/SWR25X-NRTC-S02-ST-BA/S9407-ND/276968	https://www.mouser.de/ProductDetail/Molex/22-28-0020?qs=sGAEpiMZZMs%252bGHln7q6pm%252bS0pk2Wo0XxW6Wmp6l5P6k%3d	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	https://www.digikey.de/product-detail/de/on-semiconductor/NTR4003NT1G/NTR4003NT1GOSCT-ND/1967270	https://www.mouser.de/ProductDetail/ON-Semiconductor/NTR4003NT1G?qs=sGAEpiMZZMshyDBzk1%2fWi4hQ7dFcTtZiRq92fftwFXs%3d	
24 5 R201; R506; R507; R508; R509	10k	device:R	Resistors_SMD:R_0805	0805		181	02 C17414	10KΩ (1002) ±1%				
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%				
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%				
1 R502	100k	device:R	Resistors_SMD:R_0805	0805		18095	C17407	100KΩ (1003) ±1%				
1 R503	220Ω	device:R	Resistors_SMD:R_0805	0805		18245	C17557	220Ω (2200) ±1%				
3 1 R505	47Ω	device:R	Resistors_SMD:R_0805	0805		18402	C17714	47Ω (47R0) ±1%				
2 R510; R511	470Ω	device:R	Resistors_SMD:R_0805	0805		18398	C17710	470Ω (4700) ±1%				
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						
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	https://www.digikey.de/product-detail/de/stmicroelectronics/ST485CDR/497-3734-1-ND/686452	https://www.mouser.de/ProductDetail/STMicroelectronics/ST485CDR?qs=%2fha2pyFadujjz7CAuOOanQ2%252b3HL3LBDsX4L0SQTnV1A%3d	
39 1 U301	ATMEGA88A-A	U atmel:ATMEGA88A-AU	Housings_QFP:TQFP-32_7x7mm_Pitch0.8mm	Pitch0.8mm					ATMEGA88A-AU	https://www.digikey.de/product-detail/de/microchip-technology/ATMEGA88A-AU/ATMEGA88A-AU-ND/2271018	https://www.mouser.de/ProductDetail/Microchip-Technology-Atmel/ATMEGA88A-AU?qs=sGAEpiMZZMvqv2n3s2xjse40PngS4U1xvAVvVelwuh8%3d	
<b>1</b> U401	AZ1117-5.0	regul:AZ1117-5.0	TO_SOT_Packages_SMD:SOT-223-3_TabPin2	TabPin2		DNP						
<b>11</b> 3 U501; U502; U503	WS2812B	worldsemi:WS2812B	LEDs:LED_WS2812B-PLCC4	WS2812B-PLC					WS2812B	-	-	
12 1 Y301	20MHz	device:Crystal	Crystals:Crystal_HC49-U_Vertical	Vertical					CRYSTAL 20.0000MHZ 20PF	https://www.digikey.de/product-detail/de/txc-corporation/9B-20.000MBBK-B/887-2018-ND/3522107	https://www.mouser.de/ProductDetail/Fox/FOXSLF-200-20?gs=sGAEpiMZZMsBj6bBr9Q9aRTaFt3VVGpld2PX1XJSqd4%3d	Or similar part

Component ID  1904  1911  1902  1991  2021  2031  16831  22617  24709  38453  47222  2140  2152  2155  2172  68656  2184  50686	Component Part Number  C1552  C1559  C1550  C1639  C1669  C1679  C16149  C21895  C23969  C37474  C46219  C1788  C1800  C1803  C1820  C67560  C1832  C49678	1.5pF (1R5) ±0.25pF 50V 2.2pF (2R2) ±0.25pF 50V 1pF (1R0) ±0.25pF 50V 1.5pF (1R5) ±0.25pF 50V 4.7pF (4R7) ±0.25pF 50V 2.7pF (2R7) ±0.25pF 50V 2.0pF (020) ±0.25pF 50V 1.0pF (010) ±0.25pF 50V 3pF (3R0) ±0.25pF 50V 1.5pF (1R5) ±0.25pF 50V 2.0pF (2R7) ±0.25pF 50V 3pF (3R0) ±0.25pF 50V 2.0pF (2R0) ±0.25pF 50V 2.0pF (2R7) ±0.25pF 50V 4.7pF (4R7) ±0.25pF 50V 6pF (6R0) ±0.25pF 50V 6pF (6R0) ±0.25pF 50V	Component category SMD Capacitor	O402CG1R5C500N T 0402CG2R2C500N T 0402CG1R0C500N T 0603CG1R5C500N T 0603CG4R7C500N T 0603CG6R8C500N T CL10C2R7CB8NN NC CL10C020CB8NNN C CL10C010CB8NNN C CL10C010CB8NNN C 0603CG6R0C500N T 0603CG3R0C500N T 0805CG1R5C500N T 0805CG2R7C500N T 0805CG2R7C500N T 0805CG2R7C500N T 0805CG4R7C500N T 0805CG4R7C500N T 0805CG6R0C500N		Accuracy  ±0.25pF	Combined match  04021.5pF (1R5) ±0.25pF 50V  04022.2pF (2R2) ±0.25pF 50V  04021pF (1R0) ±0.25pF 50V  06031.5pF (1R5) ±0.25pF 50V  06034.7pF (4R7) ±0.25pF 50V  06032.7pF (2R7) ±0.25pF 50V  06032.0pF (020) ±0.25pF 50V  06031.0pF (010) ±0.25pF 50V  06033pF (6R0) ±0.25pF 50V  06033pF (3R0) ±0.25pF 50V  08051.5pF (1R5) ±0.25pF 50V  08052.0pF (2R7) ±0.25pF 50V  08052.7pF (2R7) ±0.25pF 50V  080552.5pF 50V  08052.7pF (4R7) ±0.25pF 50V  08052.7pF (4R7) ±0.25pF 50V  08054.7pF (4R7) ±0.25pF 50V	Accuracy  ±0.25pF	0.25pF
50686 4516 26533 17853 25819 25835 25860 25863 26484 26487 12256 26535 26539 26610 26622 26633 26643 26826 4579 4591 4623 4682 7726 8708 13081 13967 21904	C49678 C4109 C25790 C17168 C25076 C25092 C25117 C25120 C25741 C25744 C11702 C25792 C25796 C25867 C25867 C25890 C25890 C26083 C4172 C4184 C4216 C4275 C7250 C8218 C12447 C13320 C21190	100nF(104) ±10% 50V $2K\Omega$ (2001) ±1% $470K\Omega$ (4703) ±1% $0\Omega$ (0R0) ±1% $100\Omega$ (1000) ±1% $470\Omega$ (4700) ±1% $49.9\Omega$ (49R9) ±1% $100K\Omega$ (1003) ±1% $10K\Omega$ (1002) ±1% $1K\Omega$ (1001) ±1% $47K\Omega$ (4702) ±1% $1.5K\Omega$ (1501) ±1% $2.2K\Omega$ (2201) ±1% $3.3K\Omega$ (3301) ±1% $4.7K\Omega$ (4701) ±1% $1.5M\Omega$ (1504) ±1% $1.5M\Omega$ (1504) ±1% $1.5M\Omega$ (3302) ±1%	SMD Resistor	CC0805KRX7R9BB 104  2KΩ (2001) ±1%  RTT024703FTH  0402WGF0000TCE  0402WGF1000TCE  0402WGF4700TCE  0402WGF499JTCE  0402WGF1003TCE  0402WGF1001TCE  0402WGF1001TCE  0402WGF5602TCE  0402WGF5602TCE  0402WGF2201TCE  0402WGF3301TCE  0402WGF3301TCE  0402WGF3301TCE  0402WGF4701TCE  0402WGF1004TCE  0402WGF1504T5E  0603WAF1504T5E  0603WAF3302T5E  0603WAF3302T5E  0603WAF300T5E  0603WAF2000T5E  0603WAF2000T5E  0603WAF2000T5E	0402 0402 0402 0402 0402 0402 0402 0402	±10%         ±1%	0805100nF(104) ±10% 50V  04022KΩ (2001) ±1%  0402470KΩ (4703) ±1%  0402100Ω (1000) ±1%  040222Ω (22R0) ±1%  0402470Ω (4700) ±1%  040249.9Ω (49R9) ±1%  040210KΩ (1002) ±1%  04021KΩ (1001) ±1%  040256KΩ (5602) ±1%  040256KΩ (5602) ±1%  04023.3KΩ (3301) ±1%  04023.3KΩ (3301) ±1%  04023.3KΩ (4701) ±1%  04023.3KΩ (4701) ±1%  04023.3KΩ (3301) ±1%  04023.3KΩ (3302) ±1%  04023.3KΩ (3302) ±1%  06031.5MΩ (1504) ±1%  06031.5MΩ (1504) ±1%  060320KΩ (2002) ±1%  060375Ω (75R0) ±1%  060330MΩ (1005) ±1%  060310MΩ (1005) ±1%	±1%  ±1%  ±1%  ±1%  ±1%  ±1%  ±1%  ±1%	0V         1%
23492 23493 23502 23514 23517 23524 23534 23535 23536 23537 23545 23554 23555 23570 4584 23579 23586 23662 23663 4597 23665 23666 23667 13814 23677 23688 23689	C22765 C22766 C22775 C22787 C22790 C22797 C22807 C22808 C22809 C22810 C22818 C22827 C22828 C22828 C22828 C22843 C4177 C22852 C22859 C22935 C22936 C4190 C22938 C22939 C22940 C13167 C22962	1.2KΩ (1201) ±1%  1.2MΩ (1204) ±1%  100Ω (1000) ±1%  12KΩ (1202) ±1%  13KΩ (1302) ±1%  150KΩ (1503) ±1%  150Ω (1500) ±1%  15Ω (15R0) ±1%  16KΩ (1602) ±1%  180KΩ (1803) ±1%  180KΩ (1803) ±1%  1.5KΩ (1501) ±1%  1.8KΩ (1801) ±1%  1.8KΩ (1804) ±1%  10Ω (10R0) ±1%  1Ω (1R00) ±1%  2.2KΩ (2201) ±1%  2.2KΩ (2201) ±1%  2.2KΩ (2201) ±1%  2.4KΩ (2401) ±1%  2.7KΩ (2701) ±1%  20Ω (20R0) ±1%  20Ω (20R0) ±1%  220Ω (2200) ±1%	SMD Resistor	0603WAF1201T5E 0603WAF1204T5E 0603WAF1200T5E 0603WAF1202T5E 0603WAF1302T5E 0603WAF1503T5E 0603WAF1503T5E 0603WAF1502T5E 0603WAF150JT5E 0603WAF1803T5E 0603WAF1803T5E 0603WAF1801T5E 0603WAF1801T5E 0603WAF1801T5E 0603WAF100JT5E 0603WAF10JT5E 0603WAF10JT5E 0603WAF10JT5E	0603 0603 0603 0603 0603 0603 0603 0603	±1%         ±1%	±1%  06031.2KΩ (1201) ±1%  06031.2MΩ (1204) ±1%  0603100Ω (1000) ±1%  060312KΩ (1202) ±1%  060313KΩ (1302) ±1%  0603150KΩ (1503) ±1%  0603150KΩ (1500) ±1%  060315Ω (15R0) ±1%  060315Ω (15R0) ±1%  060316KΩ (1602) ±1%  0603180KΩ (1803) ±1%  06031.5KΩ (1501) ±1%  06031.5KΩ (1501) ±1%  06031.8KΩ (1801) ±1%  06031.8KΩ (1801) ±1%  06031.8KΩ (1804) ±1%  06031.8KΩ (1804) ±1%  06031.8KΩ (1804) ±1%  06031.8KΩ (1801) ±1%  06031.8KΩ (1202) ±1%  06031.8KΩ (1801) ±1%  06031.8KΩ (1801) ±1%  06031.8KΩ (1801) ±1%  06031.8KΩ (1201) ±1%  06031.8KΩ (1202) ±1%	±1% ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±1%	1%   1%
23692 23693 23694 23702 23703 23704 23705 23707 23745 23751 23752 23773 21903 23864 23865 23867 23877 23878 23880 4618 23883	C22965         C22966         C22967         C22975         C22976         C22977         C22980         C23018         C23024         C23025         C23046         C23137         C23138         C23140         C23147         C23150         C23153         C4211         C23156	270ΚΩ (2703) ±1%  270Ω (2700) ±1%  27ΚΩ (2702) ±1%  2ΚΩ (2001) ±1%  2ΜΩ (2004) ±1%  3.3ΚΩ (3301) ±1%  3.6ΚΩ (3601) ±1%  3.9ΚΩ (3901) ±1%  300ΚΩ (3003) ±1%  4.99ΚΩ (4991) ±1%  0Ω (0R0) ±1%  330ΚΩ (3303) ±1%  330ΚΩ (3303) ±1%  330Ω (3300) ±1%  340Ω (3602) ±1%  390ΚΩ (3903) ±1%	SMD Resistor	0603WAF2703T5E 0603WAF2702T5E 0603WAF2001T5E 0603WAF2004T5E 0603WAF200KT5E 0603WAF301T5E 0603WAF3901T5E 0603WAF3003T5E 0603WAF3000T5E 0603WAF3000T5E 0603WAF3303T5E 0603WAF3303T5E 0603WAF3303T5E 0603WAF3303T5E 0603WAF3303T5E 0603WAF3303T5E	0603 0603 0603 0603 0603 0603 0603 0603	±1%         ±1%	0603270KΩ (2703) ±1% 0603270Ω (2700) ±1% 060327KΩ (2702) ±1% 06032KΩ (2001) ±1% 06032Ω (2R00) ±1% 06033.3KΩ (3301) ±1% 06033.9KΩ (3601) ±1% 06033.9KΩ (3901) ±1% 0603300KΩ (3003) ±1% 0603300Ω (3000) ±1% 0603330KΩ (3303) ±1% 0603330KΩ (3303) ±1% 0603330KΩ (3303) ±1% 0603330KΩ (3303) ±1% 0603330KΩ (3300) ±1% 0603330KΩ (3300) ±1% 0603330KΩ (3300) ±1% 0603330KΩ (3300) ±1% 0603330KΩ (3900) ±1% 0603390KΩ (3903) ±1% 0603390KΩ (3903) ±1% 0603390KΩ (3900) ±1% 0603390KΩ (3900) ±1% 060339KΩ (3902) ±1%		1%   1%
23886 23889 23890 23891 23899 23905 23906 23909 23911 23912 23913 23916 23919 23920 23923 23930 23931 23933 23939 23948 23955 23958 23968 23969 23980 23980 23981 23987 23992	C23159         C23162         C23163         C23164         C23172         C23178         C23179         C23182         C23184         C23185         C23186         C23192         C23193         C23196         C23203         C23204         C23205         C23221         C23221         C232231         C23234         C23241         C23242         C23253         C23254         C23265	4.3KΩ (4301) ±1%  4.7KΩ (4701) ±1%  4.7KΩ (4704) ±1%  4.7Ω (4R70) ±1%  43KΩ (4302) ±1%  470KΩ (4703) ±1%  470Ω (47R0) ±1%  49.9KΩ (4992) ±1%  49.9Ω (49R9) ±1%  5.1KΩ (5101) ±1%  510KΩ (5103) ±1%  510KΩ (5102) ±1%  560KΩ (5603) ±1%  560KΩ (5603) ±1%  560KΩ (5602) ±1%  6.8KΩ (6801) ±1%  6.8KΩ (6802) ±1%  68KΩ (6802) ±1%  68KΩ (7501) ±1%  7.5KΩ (7501) ±1%  75KΩ (7501) ±1%  82KΩ (8202) ±1%  82KΩ (8202) ±1%  9.1KΩ (9101) ±1%  9.1KΩ (9101) ±1%	SMD Resistor	0603WAF4301T5E 0603WAF4701T5E 0603WAF470KT5E 0603WAF470KT5E 0603WAF4703T5E 0603WAF470JT5E 0603WAF470JT5E 0603WAF4992T5E 0603WAF499JT5E 0603WAF5101T5E 0603WAF5101T5E 0603WAF5103T5E 0603WAF5103T5E 0603WAF5102T5E 0603WAF5603T5E 0603WAF5603T5E 0603WAF603T5E 0603WAF603T5E 0603WAF603T5E 0603WAF680T5E 0603WAF680T5E 0603WAF680T5E 0603WAF680T5E 0603WAF680T5E 0603WAF680T5E 0603WAF680T5E	0603 0603 0603 0603 0603 0603 0603	#1% #1% #1% #1% #1% #1% #1% #1% #1% #1%	06034.3KΩ (4301) ±1% 06034.7KΩ (4701) ±1% 06034.7MΩ (4704) ±1% 06034.7Ω (4R70) ±1% 060343KΩ (4302) ±1% 0603470KΩ (4703) ±1% 060347Ω (47R0) ±1% 060349.9KΩ (4992) ±1% 060349.9Ω (49R9) ±1% 06035.1KΩ (5101) ±1% 06035.1KΩ (5101) ±1% 0603510KΩ (5103) ±1% 0603510KΩ (5102) ±1% 0603560KΩ (5603) ±1% 0603560KΩ (5603) ±1% 0603560KΩ (5602) ±1% 060368KΩ (6801) ±1% 060368KΩ (6802) ±1% 060368KΩ (6802) ±1% 06037.5KΩ (7501) ±1% 06037.5KΩ (7501) ±1% 06037.5KΩ (7500) ±1% 06037.5KΩ (7501) ±1% 06037.5KΩ (7501) ±1% 06037.5KΩ (7501) ±1% 06037.5KΩ (7501) ±1% 06037.5KΩ (7502) ±1% 060382KΩ (8202) ±1% 06039.1KΩ (9101) ±1%	±1%         ±1%	1%   1%
24078 4604 24083 24085 25933 25939 25940 26546 26548 26551 26553 26554 26562 26565 26693 26724 28341 32812 26547 23924 23982 4717 4767 16467 18067 18086 18095 18096	C23345         C4197         C23350         C23352         C25190         C25196         C25197         C25803         C25805         C25808         C25810         C25811         C25819         C25822         C25950         C25981         C27592         C31850         C25804         C23197         C23255         C4310         C4360         C15785         C17379         C17398         C17407         C17408         C17415	$22\Omega (22R0) \pm 1\%$ $240K\Omega (2403) \pm 1\%$ $240K\Omega (2400) \pm 1\%$ $24K\Omega (2402) \pm 1\%$ $27\Omega (27R0) \pm 1\%$ $56\Omega (56R0) \pm 1\%$ $5.1\Omega (5R10) \pm 1\%$ $100K\Omega (1003) \pm 1\%$ $120K\Omega (1203) \pm 1\%$ $18K\Omega (1802) \pm 1\%$ $200K\Omega (2003) \pm 1\%$ $47K\Omega (4702) \pm 1\%$ $680K\Omega (6803) \pm 1\%$ $11K\Omega (1102) \pm 1\%$ $8.2K\Omega (8201) \pm 1\%$ $68\Omega (68R0) \pm 1\%$ $10K\Omega (1002) \pm 1\%$ $51\Omega (51R0) \pm 1\%$ $15K\Omega (1501) \pm 1\%$ $36K\Omega (3602) \pm 1\%$ $1.5K\Omega (1501) \pm 1\%$ $36K\Omega (3602) \pm 1\%$ $1.2K\Omega (1201) \pm 1\%$ $1.2K\Omega (1201) \pm 1\%$ $1.2K\Omega (1201) \pm 1\%$	SMD Resistor	0603WAF220JT5E 0603WAF2403T5E 0603WAF2402T5E 0603WAF270JT5E 0603WAF560JT5E 0603WAF1003T5E 0603WAF1003T5E 0603WAF1203T5E 0603WAF1203T5E 0603WAF2003T5E 0603WAF4702T5E 0603WAF4702T5E 0603WAF6803T5E 0603WAF820JT5E 0603WAF1002T5E 0603WAF30JT5E 0603WAF1002T5E 0603WAF30JT5E	0805 0805 0805 0805 0805 0805 0805	±1%         ±1%	060322Ω (22R0) ±1% 0603240KΩ (2403) ±1% 0603240Ω (2400) ±1% 060327Ω (27R0) ±1% 060356Ω (56R0) ±1% 06035.1Ω (5R10) ±1% 0603100KΩ (1003) ±1% 0603120KΩ (1203) ±1% 0603120KΩ (1203) ±1% 0603200KΩ (2003) ±1% 060347KΩ (4702) ±1% 0603680KΩ (6803) ±1% 060311KΩ (1102) ±1% 060368Ω (68R0) ±1% 060351Ω (51R0) ±1% 060368Ω (68R0) ±1% 060351Ω (51R0) ±1% 060351Ω (1002) ±1% 060351Ω (1002) ±1% 060351Ω (1002) ±1% 060351Ω (1002) ±1% 08051.2KΩ (1201) ±1% 08051.2KΩ (1201) ±1% 0805100Ω (1000) ±1% 0805100Ω (1000) ±1%	±1% ±1% ±1% ±1% ±1%	1%   1%
18117         18124         18125         18132         18143         18158         18159         18163         18168         18189         18201         18202         18208         18209         18214         18227         18228         4735         18232         18244         18245         18248         18249         18281         18282	C17429 C17436 C17437 C17444 C17455 C17470 C17471 C17475 C17480 C17506 C17506 C17513 C17514 C17520 C17521 C17526 C17530 C17539 C17540 C4328 C17544 C17556 C17557 C17560 C17575 C17589 C17593 C17594	11ΚΩ (1102) ±1%  120ΚΩ (1203) ±1%  120Ω (1200) ±1%  12ΚΩ (1202) ±1%  13ΚΩ (1302) ±1%  150ΚΩ (1503) ±1%  150Ω (1500) ±1%  15ΚΩ (1502) ±1%  18ΚΩ (1803) ±1%  18ΚΩ (1802) ±1%  1ΚΩ (1001) ±1%  1ΚΩ (1004) ±1%  2.2ΚΩ (2201) ±1%  2.2ΚΩ (2401) ±1%  2.7ΚΩ (2701) ±1%  200ΚΩ (2003) ±1%  200ΚΩ (2003) ±1%  20ΚΩ (2002) ±1%  20ΚΩ (2202) ±1%  22ΚΩ (2202) ±1%  22ΚΩ (2202) ±1%  22ΚΩ (2202) ±1%  22ΚΩ (2203) ±1%	SMD Resistor	0805W8F1102T5E 0805W8F1203T5E 0805W8F1200T5E 0805W8F1202T5E 0805W8F1302T5E 0805W8F1503T5E 0805W8F1503T5E 0805W8F1502T5E 0805W8F150JT5E 0805W8F1803T5E 0805W8F1803T5E 0805W8F1001T5E 0805W8F1001T5E 0805W8F220T5E 0805W8F220T5E 0805W8F220T5E 0805W8F240T5E 0805W8F2003T5E	0805 0805 0805 0805 0805 0805 0805 0805	#1% #1% #1% #1% #1% #1% #1% #1% #1% #1%	080511KΩ (1102) ±1% 0805120KΩ (1203) ±1% 080512KΩ (1202) ±1% 080512KΩ (1202) ±1% 0805150KΩ (1302) ±1% 0805150KΩ (1503) ±1% 0805150Ω (1500) ±1% 080515Ω (1502) ±1% 080515Ω (15R0) ±1% 080518KΩ (1802) ±1% 080518KΩ (1001) ±1% 08051MΩ (1004) ±1% 08052.2KΩ (2201) ±1% 08052.2KΩ (2201) ±1% 08052.7KΩ (2701) ±1% 08052.7KΩ (2701) ±1% 0805200KΩ (2003) ±1% 0805200KΩ (2002) ±1% 080520KΩ (2002) ±1% 0805220KΩ (2203) ±1% 0805220KΩ (2203) ±1% 0805220KΩ (2203) ±1% 0805220KΩ (2202) ±1%	±1%  ±1%  ±1%  ±1%  ±1%  ±1%  ±1%  ±1%	1%   1%
18292         18294         18302         18304         18305         18317         18318         18321         18322         18343         18344         18349         18355         18363         18383         18397         18398         18401         18402         18407         18408         18361         18422         18425         18426         18444         18455	C17604 C17606 C17614 C17616 C17617 C17629 C17630 C17633 C17634 C17655 C17656 C17661 C17667 C17675 C17709 C17710 C17713 C17714 C17719 C17720 C17733 C17734 C17737 C17738 C17756 C17756 C17767	$2K\Omega (2001) \pm 1\%$ $2\Omega (2R00) \pm 1\%$ $3.9K\Omega (3901) \pm 1\%$ $3.9K\Omega (3901) \pm 1\%$ $300K\Omega (3000) \pm 1\%$ $330K\Omega (3303) \pm 1\%$ $330K\Omega (3302) \pm 1\%$ $33K\Omega (3302) \pm 1\%$ $390K\Omega (3900) \pm 1\%$ $390K\Omega (3903) \pm 1\%$ $3K\Omega (3001) \pm 1\%$ $4.3K\Omega (4301) \pm 1\%$ $4.7\Omega (4R70) \pm 1\%$ $470K\Omega (4703) \pm 1\%$ $470K\Omega (4702) \pm 1\%$ $470K\Omega (4702) \pm 1\%$ $49.9K\Omega (4992) \pm 1\%$ $49.9K\Omega (4992) \pm 1\%$ $4.7K\Omega (4701) \pm 1\%$ $4.7K\Omega (5101) \pm 1\%$ $5.1C (5R10) \pm 1\%$ $5.1C (5101) \pm 1\%$ $5.1C (5101) \pm 1\%$ $5.1C (5101) \pm 1\%$ $5.1C (5101) \pm 1\%$	SMD Resistor	0805W8F200KT5E 0805W8F3001T5E 0805W8F3003T5E 0805W8F3000T5E 0805W8F3303T5E 0805W8F3300T5E 0805W8F330JT5E 0805W8F330JT5E 0805W8F3900T5E 0805W8F3900T5E 0805W8F3903T5E 0805W8F4301T5E 0805W8F470KT5E 0805W8F470KT5E 0805W8F470T5E 0805W8F470T5E 0805W8F470T5E 0805W8F470T5E 0805W8F470JT5E	0805 0805 0805 0805 0805 0805 0805 0805	±1%         ±1%	08052KΩ (2001) ±1% 08052Ω (2R00) ±1% 08053.9KΩ (3901) ±1% 0805300KΩ (3003) ±1% 0805330KΩ (3000) ±1% 0805330KΩ (3303) ±1% 080533KΩ (3302) ±1% 080533Ω (33R0) ±1% 0805390Ω (3900) ±1% 0805390Ω (3900) ±1% 080534Ω (4301) ±1% 08054.7Ω (4R70) ±1% 08054.7Ω (4R70) ±1% 0805470Ω (4700) ±1% 080547Ω (4702) ±1% 080547Ω (4702) ±1% 080549.9KΩ (4992) ±1% 080549.9Ω (49R9) ±1% 08055.6KΩ (5601) ±1% 08055.1Ω (5R10) ±1% 08055.1Ω (5R10) ±1% 08055.1Ω (5102) ±1%	±1%         ±1%	1%   1%
18460  18471  18485  18486  18489  18495  18506  18507  18516  18525  18528  18529  18543  19056  21350  26013  26014  26569  26753  26851  26855  18102	C17772 C17783 C17797 C17798 C17798 C17801 C17807 C17818 C17819 C17828 C17837 C17840 C17841 C17855 C18359 C20638 C25270 C25271 C25826 C26010 C26108 C26112 C17414	$6.8$ KΩ $(6801) \pm 1\%$ $62$ KΩ $(6202) \pm 1\%$ $680$ KΩ $(6803) \pm 1\%$ $680$ Ω $(6800) \pm 1\%$ $68$ KΩ $(6802) \pm 1\%$ $7.5$ KΩ $(7501) \pm 1\%$ $7.5$ KΩ $(7502) \pm 1\%$ $8.2$ KΩ $(8201) \pm 1\%$ $8.2$ KΩ $(8201) \pm 1\%$ $82$ Ω $(8200) \pm 1\%$ $82$ Ω $(8200) \pm 1\%$ $82$ Ω $(8200) \pm 1\%$ $9.1$ KΩ $(9101) \pm 1\%$ $3.6$ KΩ $(3601) \pm 1\%$ $180$ Ω $(1800) \pm 1\%$ $10$ $(1R00) \pm 1\%$ $3.3$ KΩ $(3301) \pm 1\%$ $3.3$ KΩ $(3301) \pm 1\%$ $3.3$ KΩ $(3301) \pm 1\%$	SMD Resistor	0805W8F6801T5E 0805W8F6202T5E 0805W8F6803T5E 0805W8F6800T5E 0805W8F6802T5E 0805W8F7501T5E 0805W8F7500T5E 0805W8F7502T5E 0805W8F8201T5E 0805W8F8200T5E 0805W8F8203T5E 0805W8F8203T5E 0805W8F8203T5E 0805W8F9101T5E 0805W8F3601T5E 0805W8F7503T5E 0805W8F3601T5E 0805W8F3601T5E 0805W8F3601T5E	0805 0805 0805 0805 0805 0805 0805 0805	±1%         ±1%	08056.8KΩ (6801) ±1%  080562KΩ (6202) ±1%  0805680KΩ (6803) ±1%  080568KΩ (6800) ±1%  08057.5KΩ (7501) ±1%  080575KΩ (7502) ±1%  08058.2KΩ (8201) ±1%  080582Ω (8201) ±1%  080582Ω (8202) ±1%  080582Ω (8202) ±1%  08059.1KΩ (9101) ±1%  08059.1KΩ (3601) ±1%  08051Ω (1R00) ±1%  08051Ω (1R00) ±1%  080539KΩ (3902) ±1%  080539KΩ (3902) ±1%  08053.3KΩ (3301) ±1%  080510MΩ (1005) ±1%  080510MΩ (1002) ±1%	±1%         ±1%	1%   1%
28584 29388 18165 18465 18445 18490 18260 18365 18178 18366 18554 18110 26567 18068 26853 26856 18362 26857 4817 18575 18576 18588	C27834  C28636  C17477  C17757  C17757  C17802  C17572  C17677  C17490  C17678  C17866  C17422  C25824  C17380  C26110  C26113  C17674  C26114  C4410  C17887  C17888  C17900	$5.1$ KΩ ( $5101$ ) $\pm 1\%$ $560$ Ω ( $5600$ ) $\pm 1\%$ $0$ Ω ( $0$ R0) $\pm 1\%$ $56$ Ω ( $56$ R0) $\pm 1\%$ $68$ Ω ( $68$ R0) $\pm 1\%$ $240$ Ω ( $2400$ ) $\pm 1\%$ $4.99$ KΩ ( $4991$ ) $\pm 1\%$ $40.2$ KΩ ( $4022$ ) $\pm 1\%$ $91$ KΩ ( $9102$ ) $\pm 1\%$ $10$ KΩ ( $1103$ ) $\pm 1\%$ $1.2$ MΩ ( $1204$ ) $\pm 1\%$ $1.5$ MΩ ( $1504$ ) $\pm 1\%$ $2.2$ MΩ ( $2204$ ) $\pm 1\%$ $4.7$ MΩ ( $4704$ ) $\pm 1\%$ $5.1$ MΩ ( $5104$ ) $\pm 1\%$ $1$ KΩ ( $1001$ ) $\pm 1\%$ $1$ KΩ ( $1001$ ) $\pm 1\%$	SMD Resistor	0805 F5101T5E  0805W8F5600T5E  0805 F0000T5E  0805W8F560JT5E  0805W8F680JT5E  0805W8F2400T5E  0805W8F4991T5E  0805W8F4022T5E  0805W8F9102T5E  0805W8F9102T5E  0805W8F103T5E  0805W8F1204T5E  0805W8F1204T5E  0805W8F1504T5E  0805W8F304T5E  0805W8F4704T5E  0805W8F4704T5E  1206W4F3000T5E  1206W4F3000T5E  1206W4F1003T5E	0805 0805 0805 0805 0805 0805 0805 0805	±1%  ±1%  ±1%  ±1%  ±1%  ±1%  ±1%  ±1%	08055.1KΩ (5101) ±1% 0805560Ω (5600) ±1% 080556Ω (56R0) ±1% 080556Ω (56R0) ±1% 080568Ω (68R0) ±1% 0805240Ω (2400) ±1% 08054.99ΚΩ (4991) ±1% 080540.2ΚΩ (4022) ±1% 080591ΚΩ (9102) ±1% 0805510ΚΩ (1103) ±1% 08051.2MΩ (1204) ±1% 08051.5MΩ (1504) ±1% 08055.1MΩ (1504) ±1% 08055.1MΩ (5104) ±1% 08055.1MΩ (5104) ±1% 12061ΚΩ (1001) ±1% 1206300Ω (3000) ±1% 12060Ω (0R0) ±1% 1206100ΚΩ (1003)	±1% ±1% ±1% ±1% ±1% ±1%  ±1%  ±1%  ±1%	1%   1%
18589         18590         18591         18612         18616         18624         18632         18643         18646         22832         26077         1875         1877         1883         1889         15869         17456         48344         1940         1946         1947         1955         1956         21834         1965         1972	C17901 C17902 C17903 C17924 C17928 C17936 C17944 C17955 C17958 C22107 C25334 C1523 C1525 C1531 C1537 C15195 C16772 C47339 C1588 C1594 C1595 C1603 C1604 C21122 C1613 C1620	100Ω (1000) ±1%  10KΩ (1002) ±1%  10Ω (10R0) ±1%  180Ω (1800) ±1%  1Ω (1R00) ±1%  4.7KΩ (4701) ±1%  2KΩ (2001) ±1%  20Ω (20R0) ±1%  1.2MΩ (1204) ±1%  1.2MΩ (1204) ±1%  1.0nF (102) ±10% 50V  100nF (104) ±10% 16V  2.2nF (222) ±10% 50V  470pF (471) ±10% 50V  10nF (103) ±10% 50V  10nF (103) ±10% 50V  150pF (151) ±10% 50V  1.5nF (152) ±10% 50V  2.2nF (222) ±10% 50V  2.2nF (222) ±10% 50V  2.2nF (221) ±10% 50V  2.2nF (222) ±10% 50V  2.2nF (222) ±10% 50V  2.2nF (223) ±10% 50V	SMD Resistor  SMD Capacitor	1206W4F1000T5E 1206W4F100JT5E 1206W4F100JT5E 1206W4F1800T5E 1206W4F100KT5E 1206W4F4701T5E 1206W4F200JT5E 1206W4F20JT5E 1206W4F220JT5E 1206W4F220JT5E 1206W4F100LT5E 0402B102K500NT CL05B104KO5NNN C 0402B222K500NT 0402B471K500NT CL05B103KB5NNN C CL05B224KO5NNN C CL05B224KO5NNN C CL05B224KO5NNN C CL10B102KB8NNN C CL10B102KB8NNN C CL10B102KB8NNN C CL10B221KB8NNN C 0603B151K500NT  CL10B221KB8NNN C 0603B222K500NT  CL10B223KB8NNN C CCL10B332KB8NNN C CCL10B332KB8NNN C CCL10B332KB8NNN C CCL10B332KB8NNN C CCL10B332KB8NNN C CCCL10B332KB8NNN C CCCL10B332KB8NNN C CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	1206 1206 1206 1206 1206 1206 1206 1206	±1%  ±1%  ±1%  ±1%  ±1%  ±1%  ±1%  ±1%	±1%  1206100Ω (1000) ±1%  120610ΚΩ (1002) ±1%  1206180Ω (10R0) ±1%  1206180Ω (1800) ±1%  12064.7ΚΩ (4701) ±1%  12062ΚΩ (2001) ±1%  120622Ω (22R0) ±1%  12061.2ΜΩ (1204) ±1%  12060.1Ω (R100) ±1%  12060.1Ω (R100) ±1%  04021nF (102) ±10% 50V  04022.2nF (222) ±10% 50V  0402470pF (471) ±10% 50V  0402220nF (224) ±10% 50V  0402220nF (224) ±10% 16V  0402470pF (474) ±10% 16V  0402470pF (474) ±10% 16V  0402470pF (103) ±10% 50V  040210nF (103) ±10% 50V  040210nF (103) ±10% 50V  040210nF (103) ±10% 50V  040210nF (103) ±10% 50V  040222nF (222) ±10% 50V  04031.5nF (152) ±10% 50V  06031.5nF (152) ±10% 50V  06032.2nF (222) ±10% 50V  06032.2nF (223) ±10% 50V  06032.2nF (222) ±10% 50V  06032.2nF (222) ±10% 50V  06032.2nF (222) ±10% 50V  06032.2nF (223) ±10% 50V	±1%  ±1%  ±1%  ±1%  ±1%  ±1%  ±1%  ±1%	1%         1%         1%         1%         1%         1%         1%         1%         1%         1%         10%         10%         10%         10%         10%         10%         10%         10%         10%         10%         10%         10%         10%         10%         10%         10%         10%
1974 1975 1982 1983 15331 16531 20375 20411 21829 21832 24366 32617 55004 58143 1952 1967 52223 2062 2081 2091 2092 2095 2096 2131 5810 14623 16532 29074 54150	C1622 C1623 C1630 C1631 C14663 C15849 C19666 C19702 C21117 C21120 C23630 C31658 C53987 C57112 C1600 C1615 C51210 C1729 C1739 C1740 C1743 C1744 C1779 C5378 C13967 C15850 C28323 C53134	47nF (473) ±10% 50V  470nF (474) ±10% 25V  680pF (681) ±10% 50V  100nF (104) ±10% 50V  1uF (105) ±10% 50V  4.7uF (475) ±10% 10V  33nF (333) ±10% 50V  220nF (224) ±10% 68nF (683) ±10% 50V  4.7nF (472) ±10% 50V  200pF (201) ±10% 50V  330nF (334) ±10% 50V  10nF (103) ±10% 50V  33nF (333) ±10% 50V  4.7nF (472) ±10% 50V  330nF (334) ±10% 50V  330nF (334) ±10% 50V  4.7nF (472) ±10% 50V  4.7nF (472) ±10% 50V  22nF (223) ±10% 50V  4.7nF (472) ±10% 50V  22nF (223) ±10% 50V  22nF (223) ±10% 50V  22nF (223) ±10% 50V  33nF (333) ±10% 50V  470pF (471) ±10% 50V  470pF (471) ±10% 50V  470pF (471) ±10% 50V  470pF (474) ±10% 50V	SMD Capacitor	CL10B473KB8NNN C CL10B474KA8NNN C 0603B681K500NT 0603B682K500NT CC0603KRX7R9BB 104 CL10A105KB8NNN C CL10A475KO8NNN C CL10B333KB8NNN C CL10B333KB8NNN C CL10B224KA8NNN C CL10B224KA8NNN C CL10B683KB8NNN C CL10B683KB8NNN C 0603B472K500NT 0603B103K500NT 0603B201K500NT 0603B201K500NT CL21B102KBANNN C CL21B102KBANNN C CL21B103KBANNN C CL21B103KBANNN C CL21B223KBANNN C CL21B103KBANNN C CL21B223KBANNN C CL21B223KBANNN C CL21B223KBANNN C CL21B223KBANNN C CL21B223KBANNN C CL21B103KBANNN C CL21B473KBCNNN C CL21B474KBFNNN E CL21B474KBFNNN E CL21B474KBFNNN E CL21B473KBCNNN C CL21B473KBCNNN C CL21B473KBCNNN C	0603 0603 0603 0603 0603 0603 0603 0603	±10%  ±10%	060347nF (473) ±10% 50V 0603470nF (474) ±10% 25V 0603680pF (681) ±10% 50V 06036.8nF (682) ±10% 50V 060310nF (104) ±10% 50V 06031uF (105) ±10% 50V 06031uF (106) ±10% 10V 060333nF (333) ±10% 50V 0603220nF (224) ±10% 25V 06032.2uF (225) ±10% 16V 06036.8nF (683) ±10% 50V 06032.2uF (225) ±10% 16V 06032.2uF (225) ±10% 16V 06036.8nF (683) ±10% 50V 06034.7nF (472) ±10% 50V 060310nF (103) ±10% 50V 0603200pF (201) ±10% 50V 0603200pF (201) ±10% 50V 080533nF (334) ±10% 50V 080533nF (102) ±10% 50V 080522nF (223) ±10% 50V 080533nF (333) ±10% 50V 080533nF (333) ±10% 50V 080533nF (333) ±10% 50V 080533nF (471) ±10% 50V 0805470pF (471) ±10% 50V 0805470pF (471) ±10% 50V 0805470pF (474) ±10% 50V	±10% ±10% ±10% ±10%  ±10%	10%         10%
54188         54191         2068         2076         52220         54166         2069         2107         2108         2198         25237         2200         2206         2209         2223         13292         14236         30577         36187         24469         60514         46786         50225         1898         1899         1900         1901         1907         1914	C53172 C53175 C1716 C1716 C1724 C51207 C53150 C1717 C1755 C1756 C1846 C24497 C1848 C1854 C1857 C1871 C12656 C13585 C29823 C35216 C23733 C59461 C45783 C49217 C1546 C1547 C1548 C1555 C1562	50V  220pF (221) ±10% 50V  3.3nF (332) ±10% 50V  150pF (151) ±10% 50V  200pF (201) ±10% 50V  330pF (331) ±10% 50V  680pF (681) ±10% 50V  6.8nF (682) ±10% 50V  10nF (103) ±10% 50V  10nF (104) ±10% 50V  220pF (221) ±10% 50V  220pF (221) ±10% 50V  220nF (224) ±10% 50V  470nF (474) ±10% 50V  2.2uF (225) ±10% 50V  4.7uF (475) ±20% 6.3v  22uF (226) ±20% 6.3v  22uF (226) ±20% 6.3v  22uF (225) ±20% 50V  100pF (101) ±5% 50V  15pF (150) ±5% 50V  15pF (150) ±5% 50V  22pF (220) ±5% 50V  33pF (330) ±5% 50V	SMD Capacitor	C CL21B221KBANNN C CL21B332KBANNN C 0805B151K500NT 0805B201K500NT CL21B331KBANNN C CL21B681KBANNN C 0805B682K500NT 0805B683K500NT 1206B103K500NT CL31B104KBCNNN C CL31B105KBHNNN E 1206B221K500NT 1206B221K500NT 1206B474K500NT CL31A1225KBHNNN E CL31A106KBHNNN E 1206B475K500NT CL31B102KGFNNN E CL05A475MP5NRN C CL10A226MQ8NR NC CL10A226MQ8NR NC CL21A226MAQNN NE 0805F225M500NT 0402CG120J500NT 0402CG120J500NT 0402CG120J500NT 0402CG180J500NT 0402CG330J500NT	0805 0805 0805 0805 0805 0805 0805 0805	±10%  ±10%  ±10%  ±10%  ±10%  ±10%  ±10%  ±10%  ±10%  ±10%  ±10%  ±10%  ±10%  ±10%  ±10%  ±10%  ±50%  ±20%  ±20%  ±20%  ±20%  ±20%  ±5%  ±5%  ±5%  ±5%  ±5%	±10% 50V  0805220pF (221) ±10% 50V  08053.3nF (332) ±10% 50V  0805150pF (151) ±10% 50V  0805200pF (201) ±10% 50V  0805330pF (331) ±10% 50V  0805680pF (681) ±10% 50V  08056.8nF (682) ±10% 50V  08056.8nF (682) ±10% 50V  120610nF (103) ±10% 50V  120610nF (104) ±10% 50V  1206220pF (221) ±10% 50V  1206220pF (221) ±10% 50V  1206220nF (224) ±10% 50V  1206220nF (224) ±10% 50V  12062.2uF (225) ±10% 50V  12064.7uF (474) ±10% 50V  12064.7uF (475) ±10% 50V  12061.0uF (106) ±10% 50V  12061.0uF (106) ±10% 50V  12062.2uF (225) ±10% 50V  12061.0uF (106) ±10% 50V  12062.2uF (225) ±20% 50V  04024.7uF (475) ±20% 10V  060322uF (226) ±20% 6.3V  08052.2uF (226) ±20% 50V  04021.0uF (101) ±5% 50V  04021.0uF (100) ±5% 50V	±10% ±10% ±10% ±10% ±10% ±10% ±10% ±10%	10%         10%         10%         10%         10%         10%         10%         10%         10%         10%         10%         10%         10%         10%         10%         10%         20%         20%         20%         5%         5%         5%         5%         5%         5%         5%         5%
33914 1986 1999 2000 2005 2008 2015 2016 2023 1996 15530 23122 29012 39506 40131 2137 2142 2146 2149 2150 2156 2161 2166 8509 15529 29010 2144 2180 2186	C32949 C1634 C1647 C1648 C1653 C1656 C1663 C1664 C1671 C1644 C14858 C22397 C28262 C38523 C39148 C1785 C1790 C1794 C1797 C1798 C1804 C1809 C1814 C8031 C14857 C28260 C1792 C1828 C1834	10pF (100) ±5% 50V  10pF (100) ±5% 50V  18pF (180) ±5% 50V  20pF (200) ±5% 50V  22pF (220) ±5% 50V  33pF (330) ±5% 50V  47pF (470) ±5% 50V  15pF (150) ±5% 50V  30pF (300) ±5% 50V  68pF (680) ±5% 50V  10pF (101) ±5% 50V  10pF (100) ±5% 50V  10pF (101) ±5% 50V  10pF (100) ±5% 50V  22pF (220) ±5% 50V	SMD Capacitor  SMD Capacitor	C CL21C150JBANNN C 0805CG180J500NT  CL21C200JBANNN C CL21C220JBANNN C CL21C300JBANNN C CL21C330JBANNN C CL21C370JBANNN C CL21C470JBANNN C CL21C470JBANNN C CL21C470JBANNN C 0805CG120J500NT	0805 0805 0805 0805 0805 0805 0805 0805	±5% ±5% ±5% ±5% ±5% ±5% ±5% ±5% ±5% ±5%	15% 50V  040210pF (100)   15% 50V  060310pF (100)   15% 50V  060318pF (180)   15% 50V  060320pF (200)   15% 50V  060322pF (220)   15% 50V  060333pF (330)   15% 50V  060333pF (331)   15% 50V  060315pF (150)   15% 50V  0603100pF (101)   15% 50V  060330pF (300)   15% 50V  060312pF (120)   15% 50V  060356pF (560)   15% 50V  080510pF (100)   15% 50V  080510pF (101)   15% 50V  080510pF (100)   15% 50V  080510pF (200)   15% 50V	±5%         ±5%	5%         5%