

#	Reference	Value	Qty	DigiKey	Mouser	TME	LCSC
1	C14	270n	1				
2	C42	33p	1	1276-1105-1-ND	C0805C330K5GACTU	CL21C330JBANNNC	
3	C66	15p	1	399-C0603C150J5GAC7867TR-ND	80-C0603C150J5G	C0603C150J5GAC	
4	C79	EEEFK1J101P	1	PCE3819CT-ND	667-EEE-FK1J101P	EEEFK1J101P	
5	C80	470p	1	732-7837-1-ND	710-885012007038	CC0805JRNPO9BN471	
6	C95	6n8	1	1276-1799-1-ND	80-C0805C682K5R	CL21B682KBANNNC	
7	C118	33u/50V poly.	1	565-HHXD630ARA330MHA0GCT-ND	661-XD630ARA330MHA0G	-	C2157841
8	C1,C2,C3,C4,C31,C72	1n	6	732-7858-1-ND	80-C0603C102K5R7040	C0805C102J5GAC	
9	C19,C20	10p	2	1276-1069-1-ND	187-CL10C100CB8NNNC	VJ0603A100JXACW1BC	C318677
10	C22,C25,C34,C35,C62	2u2	5	1276-3138-1-ND	187-CL31B225KCHSNNE	C3216X7S2A225KAB	
11	C26,C27	30p	2	1292-1515-1-ND	80-C0603C300G5HACTU	0603N300J500CT	C123555
12	C33,C46,C50,C51,C53	4u7	5	1276-2970-1-ND	963-EMK316B7475ML-T	GCM31CR71E475KA55L	
13	C36,C40,C64,C67,C83,C85,C94,C115,C116	10n	9	490-7194-1-ND	710-885012207122	CC0805KRX7R9103	
14	C44,C100	330p	2	1276-1189-1-ND	80-C0805C331J5G	CL21C331JBANNNC	
15	C45,C47	22u	2				
16	C5,C7,C8,C9,C10,C15,C17,C18,C21,C23,C24,C28,C32,C38,C39,C41,C43,C52,C54,C55,C56,C57,C65,C87,C88,C90,C91,C92,C93,C102,C103,C108,C109,C111,C112,C121,C122,C124	100n	38	490-4774-1-ND	80-C0603C104M4R	CL10B104KA8NNNC	
17	C59,C61,C63,C119,C120	10n/200V	5	311-4491-1-ND	603-C1206KRX7RABB103	VJ1206Y103KXCTW1BC	
18	C6,C11,C12,C13,C16,C29,C30,C37,C48,C49,C58,C82,C84,C86	1u	14	587-1283-1-ND	603-CC805MKX7R7BB105	CL21B105KOFNNNE	
19	C60,C73,C117	470n	3	1276-6482-1-ND	603-CC805KKX7R9BB474	CL21B474KBFNNNE	
20	C68,C101	150p	2	1276-1828-1-ND	80-C0805C151J5G	CC0805JRNPO9BN151	
21	C69,C70,C71,C89	4u7/100V	4	587-5034-1-ND	810-CGA6M3X7S2A475K	-	
22	C74,C81	EEEFK1H470P	2	PCE3815CT-ND	667-EEE-FK1H470P	EEEFK1H470P	
23	C75,C76,C78	10u	3	1276-6736-1-ND	810-C3216X7R1HK160AC	CL31A106KBHNNNE	
24	C96,C123,C125	4n7	3	732-12255-1-ND	810-C2012C0G1H472J-1	GRM2165C1H472JA01D	
25	C97,C113,C114	100p	3	399-15000-1-ND	80-C0805C101K5G	CL21C101JBANNNC	
26	C98,C99,C110	2n2	3	399-C0805C222K5RAC7210TR-ND	80-C0805C222K5RACLR		
27	D19	SK55	1	SK56A-LTPMSCT-ND	833-SK56A-LTP	SK55-DIO	
28	D2,D3,D8,D10,D11,D12,D13,D14,D15,D16,D17,D18,D20,D21,D22,D23	BAS316	16	1727-7370-1-ND	771-BAS316-T/R	BAS316,115	
29	D4,D5,D6,D7,D9	SKL16	5	RB160MM-60CT-ND	755-RB160MM-60TR	SKL16-DIO	
30	F1	ZH32	1	732-11370-ND	710-696101000002	ZH32	
31	FB1,FB2,FB3,FB4	BLM18AG102SH1D	4	490-7809-1-ND	81-BLM18AG102SH1D	BLM18AG102SH1D	
32	IC3	ADS131A04IPBSR	1	296-44202-1-ND	595-ADS131A04IPBSR	-	C882747
33	IC4	STM32H503CBT6	1	497-STM32H503CBT6-ND	511-STM32H503CBT6	STM32H503CBT6	C17700273
34	IC5	M24C32-DFDW6TP	1	497-16067-1-ND	511-M24C32-DFDW6TP	M24C32-DFDW6TP	C2971426

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35	IC6	DAC8552IDGKR	1	296-46082-1-ND	595-DAC8552IDGKR	-	C136020
36	IC7	74AUP1G74DC,125	1	1727-6029-2-ND	771-AUP1GDC125	74AUP1G74DC.125	C458192
37	IC8	TPS54060DGQ	1	296-37148-1-ND	TPS54060ADGQR	-	C12382
38	IC9	TC77-5.0MCTTR	1	TC77-5.0MCTTRCT-ND	579-TC77-5.0MCTTR	TC77-5.0MCTTR	C145382
39	IC10	REF5025AIDR	1	296-39165-1-ND	595-REF5025AIDR	-	C11341
40	IC11	MC79L05	1	MC79L05ABDGOS-ND	863-MC79L05ACDR2G	MC79L05ACDG	C232661
41	IC12	MC78L05	1	MC78L05ACDR2GOSCT-ND	863-MC78L05ACDR2G	MC78L05ACDG	C7371
42	IC13	PCAL9722HNMP	1	568-PCAL9722HNMPTR-ND	771-PCAL9722HNMP	-	C24212503
43	IC14	TPS7A2033PDBVR	1	296-TPS7A2033PDBVRCT-ND	595-TPS7A2033PDBVR	TPS7A2033PDBVR	C2862740
44	IC15	LM5145RGYR	1	296-47661-1-ND	595-LM5145RGYR	-	C485912
45	IC16	LTC2050HVCS8#PBF	1	LTC2050HVCS8#PBF-ND	584-LTC2050HVCS8#PBF	-	C679141
46	IC20	SN74LVC2G08DCTR	1	296-13263-2-ND	595-SN74LVC2G08DCTR	SN74LVC2G08DCTR	C352973
47	IC22	OPA376AIDBVR	1	296-39130-2-ND	595-OPA376AIDBVR	OPA376AIDBVR	C42134
48	IC26	MAX9141ESA	1	MAX9141ESA+-ND	700-MAX9141ESA	-	C3658498
49	IC1,IC2	ISO6762FDWR	2	296-ISO6762FDWRCT-ND	595-ISO6762FDWR	-	C5216396
50	IC17,IC18	TL072D	2	296-1282-1-ND	595-TL072CDR	TL072CD-ST	C67473
51	IC19,IC23,IC24	SN74LVC1G3157DC KR	3	296-14909-1-ND	595- SN74LVC1G3157DCK	SN74LVC1G3157DCKR	C38663
52	IC21,IC25	LM293D	2	LM293DR2GOSCT-ND	863-LM293DR2G	LM293DR	C76509
53	J1	572-0500	1	-	164-6221	572-0500	-
54	J2	572-0100	1	-	164-6220	572-0100	-
55	K1	FTR-C1GA012G-B05 or EE2-12NU-L	1	399-10997-1-ND	80-EE2-12NU-L	FTR-C1GA012G-B05	C147864
56	KK7	SK96/84	1	5496-SK9684SA-ND	-	SK96/84SA	-
57	KK8	SP400-0.007-00-104	1	BER204-ND	951-SP400-007-00-104		
58	KK1,KK2	PCB-MB-01	2	RPC1760-ND	144-PCB-MB-01	RI-PCB-MB-01	
59	KK3,KK4,KK5,KK9	M3X8/D7985B	4	-	-	M3X8/D7985B	
60	KK6,KK10	B3/BN2842	2	-	-	B3/BN2842	
61	L1	RN112-4-02-0M7	1	817-2100-ND	631-RN112-4-02-0M7	-	
62	L2	ETQ-P4M100KFM	1	P124167CT-ND	667-ETQ-P4M100KFM	-	
63	L3	HPI0630-3R3	1	445-180834-1-ND	810-VLS6045AF-3R3N	HPI0630-3R3	
64	LED1	WP42WUM/EGW	1	754-1718-ND	604-WP42WUM/EGW	L-42WUM/1EGWT	
65	LED2	SSF-LXH340LYGID	1	SSF-LXH340LYGID-ND	696-SSFLXH340LYGID	-	C17285042
66	LED3	WP934MD/LYLID	1	350-2716-ND	604-WP934MDLYLID	-	-
67	Q4	BSC117N08NS5ATM A1	1	BSC117N08NS5ATMA1CT-ND	726- BSC117N08NS5ATMA	BSC117N08NS5ATMA1	C3278730
68	Q5	BSC039N06NSATMA 1	1	BSC039N06NSATMA1CT-ND	726- BSC039N06NSATMA1	BSC039N06NS	C6471340
69	Q14	IRFP250NPBF	1	IRFP250NPBF-ND	942-IRFP250NPBF	IRFP250NPBF	
70	Q16	BC857C	1	4878-BC857CCT-ND	637-BC857C	BC857C-DIO	C8666
71	Q17	IRFI9Z34GPBF	1	IRFI9Z34GPBF-ND	844-IRFI9Z34GPBF	IRFI9Z34GPBF	C222460
72	Q29	FMMT493TA	1	FMMT493CT-ND	522-FMMT493TA	FMMT493TA	
73	Q30	BT139B-600E	1	1740-1053-1-ND	771-BT139B-600E118	BT139B-600E.118	C6533556
74	Q31	PSMN013-60YL	1	1727-2589-1-ND	771-PSMN013-60YLY	PSMN013-60YLY	C503662
75	Q1,Q2,Q3	BSS84	3	BSS84LT1GOSCT-ND	863-BSS84LT1G	BSS84LT1G	C82079

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76	Q12,Q15	BCP56-16.115	2	BCP5616QTADICT-ND	621-BCP5616QTA	BCP56-16T1G	
77	Q18,Q19	PSMN0R9-25YLC	2	1727-5292-1-ND	771-PSMN0R925YLC115	PSMN0R9-25YLC.115	
78	Q24,Q25,Q26,Q27	2N7002	4	T2N7002AKLMCT-ND	757-T2N7002AKLM	2N7002LT1G	
79	Q7,Q10,Q11,Q23	MMBT5401	4	MMBT5401-FDICT-ND	621-MMBT5401-F	MMBT5401-DIO	C21488
80	Q9,Q13,Q20,Q21,Q22,Q28	MMBT5551	6	MMBT5551LT1GOSCT-ND	637-MMBT5551	MMBT5551-DIO	C41095
81	R19	330K	1	A126361CT-ND	652-CR0805FX-3303ELF	0805S8F3303T5E	
82	R45	15R	1	A129910CT-ND	603-RC2010FK-0715RL	201007J0150T4E	
83	R53	51K	1				
84	R59	16K	1				
85	R68	6K8	1				
86	R69	3K	1				
87	R78	2R2/2-3W	1	CRM2512-JW-2R2ELFCT-ND	279-35222R2JT	WF25P2R2JTL	
88	R89	1R 0.1%	1	1712-CPF1206B1R0E1CT-ND	279-CPF1206B1R0E1	-	C4106088
89	R93	0R010	1	846-GMR100HJBFA10L0CT-ND	GMR100HJBFA10L0	-	-
90	R141	6R2	1	311-6.20CRCT-ND	603-RC0805FR-076R2L	RC0805JR-076R2	
91	R1,R2,R3,R4,R5,R6,R7,R8,R54	100R	9	13-RC0603FR-10100RLCT-ND	603-RT0603FRE07100RL	RC0603FR-10100RL	C1512171
92	R110,R111,R131	330R	3	A129743CT-ND	652-CR0805FX-3300ELF	0805S8F3300T5E	
93	R116,R117,R134	4K7	3	311-4.70KCRCT-ND	603-RC0805FR-074K7L	0805S8F4701T5E	
94	R12,R13,R15,R18,R31,R32,R36,R39,R43,R47,R65,R76,R90,R99,R101,R102,R103,R106,R107,R128,R129,R130,R132,R133,R135,R142,R143	10K	27	311-10.0KCRCT-ND	603-RC0805FR-0710KL	RC0805FR-1310KL	
95	R14,R28,R46,R120,R138	100K	5	RMCF0805FT100KCT-ND	71-CRCW0805100KFKEAC	0805S8F1003T5E	
96	R17,R37,R57,R70,R96,R98,R100,R104,R105	47K	9	RHM47KKCT-ND	603-RC0805FR-0747KL	RC0805FR-0747K	
97	R20,R60,R109,R112,R126,R127	750R	6	A126385CT-ND	71-CRCW0805750RFKEAC	0805S8F7500T5E	C17818
98	R21,R29,R75,R124,R125	6K2	5				
99	R22,R27	86K6	2	311-86.6KCRCT-ND	603-RT0805FRE0786K6L	CRCW080586K6FKTABC	
100	R23,R24,R25,R30,R40,R49	10R	6			SMD0805-10R-1%	
101	R26,R118	1R	2			-	
102	R38,R55,R61,R119	470R	4	311-470CRCT-ND	71-CRCW0805470RFKEB	RC0805FR-07470R	
103	R41,R122,R123	3K9	3	A126369CT-ND	279-CRGP0805F3K9	SMD0805-3K9-1%	
104	R48,R56,R62,R63,R67,R108,R114,R115,R136,R137,R139,R140	1K	12	RC0805FR-071KL	603-RC0805FR-071KL	RC0805FR-071K	
105	R50,R121	1K2	2				
106	R51,R52,R64,R94	220R	4	RMCF0805FT220RCT-ND	603-RC0805FR-13220RL	0805S8F2200T5E	
107	R79,R82	7K5 0.1%	2	YAG1974CT-ND	279-CPF0805B7K5E1	AR05BTCW7501	
108	R80,R81	36K 0.1%	2	YAG4886CT-ND	603-RT0805BRD0736K5L	-	C865431
109	R83,R84	750R 0.1%	2	YAG4940CT-ND	603-RT0805BRD07750RL	ERA6AEB751V	C728656
110	R86,R87	100K 0.1%	2				
111	R9,R11,R16,R58,R66,R71,R72,R73,R74,R113	2K2	10	311-2.20KCRCT-ND	603-RC0805FR-072K2L	0805S8F2201T5E	

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112	R91,R92	24K 0.1%	2				
113	TR1	SRF0703-821M	1	SRF0703-821MCT-ND	652-SRF0703-821M	-	
114	X1	Edge connector	1	609-1969-ND	649-18783-10101TLF	1001878310101T-0	C4494856
115	X3	B4P-VH (LF)(SN)	1			B4P-VH (LF)(SN)	
116	X4	TBP03R1-350-03BE	1	2223-TBP03R1-350-03BE-ND	179-TBP03R1-350-03BE	-	C3581987
117	X5	ZL263-20DG	1	PPPC102LJBN-RC	-	ZL263-20DG	C239361
118	Y1	ECS-163.84-10-33-JGN-TR	1	535-14398-1-ND	815-ABM825MHZD2XT	-	C1986777
119	Y2	ABM8-25.000MHZ-D2X-T	1	535-14398-1-ND	815-ABM825MHZD2XT	-	C1986777
120	ZD3	BZX384-C15	1	1727-4986-1-ND	78-BZX384C15-E3-08	BZX384-C15.115	C454989
121	ZD4	BZT52C6V2	1	4878-BZT52C6V2CT-ND	621-BZT52C6V2-13-F	BZT52C6V2GW	C397931
122	ZD5	SLVU2.8.TCT	1	CDSOT23-SLVU2.8TR-ND	652-CDSOT23-SLVU2.8	SLVU2.8.TCT	
123	ZD7	MMSZ5230BT1G	1	MMSZ5230BT1GOSCT-ND	863-MMSZ5230BT1G	MMSZ5230BT1G	
124	ZD2,ZD6	P6SMB68A	2	P6SMB68ABBCT-ND	652-P6SMB68A	P6SMB68A-LF	C126829