

Name	Footprint	Value	Voltage	Precision	Quantity	PCB	Equivalent
10BQ060	DO-214AA				1	POW	VD25
IRFR3706PBF	TO-252				8	POW	STD60N3LH, IRLR2905, IRFR4105ZPBF, IRFR3707ZTRPBF; VT1 - VT8
30BQ100	DO-214AB	PSL-2401			3	OUT	VD15,VD16,VD17 - not installed
74HCT595D	SOIC-16				3	PAN	U2 - U4
ADUM1201AR	SOIC-8				1	PAN	
PS2701-1	SOIC-4W				2	PAN	either U7 or U8,U9
B1S	DB-1MS				1	POW	UB1S, M7, VD11
BAS316	SOD-323				23	PAN	VD1-VD4,VD6-VD10 - OUT; VD1-VD3 - PAN; VD1-VD6,VD18,VD19,VD21,VD23,VD24,VD26 - POW
BC847C	SOT-23				5	PAN	VT1,VT6,VT9 - OUT; VT2,VT3 - PAN;
BC857C	SOT-23				3	OUT	VT10 - OUT; VT1 - PAN; VT15 - POW
BCP56	SOT-223				2	OUT	VT7,VT8
BZV55	MELF	15V			9	POW	VD11 - OUT; VD7 - VD10, VD12 - VD15 - POW
BZV55	MELF	6V8			1	OUT	VD5
C CASE_A	CASE_A	1uF	16V		2	POW	C26,C27
C CASE_B	CASE_B	22uF	16V		9	PAN	C1,C3,C4,C7,C9,C16 - OUT; C8,C10,C14 - PAN;
C1206	C1206	100n	100V		4	OUT	C10 - C13
C0805	C0805	100n			18	PAN	C2,C6,C8,C15,C17 - OUT; C1,C6,C9,C11 - C13,C15,C17,C18 - PAN; C43 - C46 - POW
C0805	C0805	10n			11	PAN	C14 - OUT; C19 - PAN; C22 - C25,C35,C36,C40,C41,C42 - POW
C0805	C0805	120p			1	POW	C31
C0805	C0805	1u			2	PAN	C3 - PAN; C51 - POW
C0805	C0805	1n			3	PAN	C32,C39,C51
C0805	C0805	2.2n			4	POW	C28,C29,C37,C38
C0805	C0805	220p			2	PAN	C2,C4
C0805	C0805	4.7nF			1	OUT	C5
C0805	C0805	47nF			1	OUT	C50
C0805	C0805	47pF			2	OUT	C33,C34
C5-16-2	C5-16-2	0.15			2	POW	R67,R72
Electrolytic capacitor	6 mm	47uF	50V		8	POW	C4 - C9,C47,C48
Electrolytic capacitor	8 mm	220uF	25V		1	POW	C49
Electrolytic capacitor	10 mm	470uF	35V		1	POW	C2
Electrolytic capacitor	10 mm	47uF	100V		2	POW	C1,C3
Electrolytic capacitor	13 mm	1000uF	35V		2	POW	C14,C19
Electrolytic capacitor	16 mm	10000uF	16V		8	POW	C10 - C13,C15 - C18
Electrolytic capacitor	18 mm	2200uF	63V		1	POW	C20
Electrolytic capacitor	18 mm	3300uF	50V		1	POW	C21
Film capacitor	CL21	470n	63V		1	POW	C30
DS18B20	TO-92				1	OUT	U1
ES1D	DO-214AC				2	POW	VD16,VD17
FT232RL	SSOP-28				1	OUT	U6
HC0903A	HC09				1	PAN	either HS1 or HS2
HC12G	HC12G				1	PAN	
IDC-10MS	IDC-10MS				4	PAN	XP1 - OUT; XP4 - PAN; XP2,XP4 - POW
IRF540N	TO-220				4	OUT	VT11-VT14
IRF9Z34	TO-220				1	OUT	VT15
IRLML2803	SOT-23				1	POW	VT14
LED3MM	LED3MM	Red,Green			4	PAN	VD4 - VD6
LM317LZ	TO-92				1	OUT	U4
LM337LZ	TO-92				1	OUT	U2
LM358D	SOIC-8				1	POW	U10
LM393D	SOIC-8				6	POW	U1 - U6
LP2951ACM-3.3	SOIC-8				1	PAN	U5
LQM21F	L0805	22uH			1	PAN	L1
LQM21F	L0805	4.7uH			1	OUT	L3
LT1086CT	TO-220				1	OUT	LD1086V,LD1084V (5A), U5
MBR2045CT	TO-220				3	OUT	VD12,VD13,VD14
MF-25 (R0805)	MF-25 (R0805)	100k		1%	4	POW	R59 - R62 (R159 - R162)
MF-25 (R0805)	MF-25 (R0805)	10k		1%	4	POW	R57,R58,R63,R64 (R157,R158,R163,R164)
MF-25 (R0805)	MF-25 (R0805)	20k		1%	2	POW	R70,R71 (R170,R171)
MMBT5401LT	SOT-23				4	POW	VT2,VT3,VT5 - OUT; VT11 - POW
MMBT5551LT	SOT-23				5	POW	STD60N3LH, VT4 - OUT; VT9,VT10,VT12,VT13 - POW
P6KE47	DO-15				1	POW	VD22
PEC11-4220F-S0024S	PEC11-4-SLOT				1	PAN	either ENC1 or ENC2
PEC16-4220F-S0024S	PEC16-4-SLOT				1	PAN	
PLS-1	PLS-1				2	PAN	XP5 - PAN; XP6 - POW
PLS-4	PLS-4				1	PAN	XP3
PW-2	PW-2				4	PAN	XP1 - PAN; XP1,XP3,XP5 - POW
PW-4	PW-4				2	PAN	XP2 - OUT; XP2 - PAN;
R0805	0805	0			1	POW	R99
R0805	0805	22			4	PAN	R41,R42 - PAN; R68,R69 - POW
R0805	0805	51			1	PAN	R10
R0805	0805	100			27	OUT	R14,R17 - OUT; R2,R5,R12 - R27,R35 - R39,R50 - PAN; R93,R94 - POW
R0805	0805	120			1	OUT	R30
R0805	0805	220			7	OUT	R5,R8,R9 - OUT; R45,R46,R52,R54 - POW
R0805	0805	270			2	OUT	R2,R15
R0805	0805	330			6	POW	R3,R4,R45 - PAN; R77,R83,R86 - POW
R0805	0805	360			1	OUT	R31
R0805	0805	470			9	OUT	R12,R13 - OUT; R30 - R32,R40 - PAN; R65,R66,R90 - POW
R0805	0805	750			2	POW	R84,R85
R0805	0805	820			2	OUT	R3,R16
R0805	0805	1.5k		1%	1	PAN	R28
R0805	0805	1.5k			1	OUT	R6
R0805	0805	10k			25	OUT	R4,R11 - OUT; R1 - R8,R17 - R24,R33,R38,R75,R76,R81,R91,R98 - POW
R0805	0805	1k			5	OUT	R7 - OUT; R8,R33,R34 - PAN; R95 - POW
R0805	0805	1M			1	OUT	R33
R0805	0805	2.2k			14	OUT	R18 - R24 - OUT; R47,R48,R51,R53,R55,R56,R96 - POW
R0805	0805	27k			1	OUT	R10
R0805	0805	3.3k			2	POW	R49,R83
R0805	0805	4.7k			33	OUT	R1 - OUT; R1,R9,R11,R43,R44,R46-R48 - PAN; R9-R16,R25-R32,R34-R37,R73,R74,R88,R97 - POW
R0805	0805	47k			11	OUT	R32 - OUT; R6,R7,R49 - PAN; R40,R42 - R44,R79,R87,R92 - POW
R0805	0805	49.9		1%	1	PAN	R29
R0805	0805	5.1k			1	POW	R89
R1206	1206	1			1	POW	R50
R2512	2512	2.2			1	OUT	R29
R2512	2512	0.1			4	OUT	R25 - R28
RCH8011	L08	470uH			1	POW	L1
REC-S3461CG-G	S3461				1	PAN	HG1
REC-S3461CSR-G	S3461				1	PAN	HG2
DTSM-6	DTSM-6				7	PAN	SB1 - SB7
AT24C04	SOIC-8				1	PAN	U10
STM32F100C8T6B	LQFP-48				1	PAN	U1
TA_H48	TA_H48				28	POW	XT1-XT9 - OUT; XT1 - XT19 - POW
TL082CD	SOIC-8				4	POW	TL082CDR; U7 - U9,U11
TL431CDBZ	SOT-23				1	OUT	U3
USB-B	USB-B				1	OUT	XS1