

Comment	Description	Designator	Quantity
100nF	GRM188R71E104KA01J	C1, C2, C4, C5, C8, C9, C10, C11, C13, C14, C32, C33, C35, C36, C41	15
270pF	CC0603KRX7R9BB271	C3	1
9 pf	GRM1885C1H9R0DA01D	C6, C7	2
220nF	TMK107B7224KA-T	C12, C15, C16, C17, C18, C19, C20, C21, C22, C23, C28, C29, C30, C31	14
220pF	CC0603KRX7R9BB221	C24, C25, C26, C27	4
4.7 uF	293D475X9050D2WE3	C34	1
10 uF	THJA106K010AJN	C37, C40	2
22uF	ZRB18AR61A226ME01L	C38, C42	2
1uF 25V	885012106022	C39	1
Red	150060RS75000	D1, D10, D11, D14, D16	5
YELLOW	150060YS75000	D2	1
BAT54S	TBAT54S,LM	D3, D4, D5, D6, D7	5
Schotky	PMEG4010ETR,115	D8, D9, D13, D15	4
5V1	MMSZ4689-E3-08	D12	1
TVS_diode	SMAJ17CA	D17	1
BAT54C	BAT54C-G	D18	1
Zener	BZT52C10T-7	D19	1
BAT54A	TBAT54A,LM	D20	1
GREEN	150060VS75000	D21	1
NCP1117ST50	NCP1117LPST50T3G	DA1	1
NCP1117ST33	NCP1117LPST33T3G	DA2	1
PTC_Fuse	RUEF250	F1	1
Resettable fuse	OZCJ0050AF2E	F2	1
ACS711	ACS711ELCTR-12AB-T	IC1	1
USBLC6-2	USBLC6-2SC6	IC2	1
DC/DC	PDO30-Q24-S3-D	IC3	1
USB-Micro-47346	47346-0001	J1	1
DFU	pl5	JP1, JP2	2
Rele_RTE24012	RTE24012	K1, K2, K3, K4	4
10 uH	KLZ1608MHR100WTD25	L1, L2, L3, L4	4
16 Mhz	TSX-3225 16.0000MF18X-AC3	Q1	1
MOSFET-N	NTR4003NT3G	Q2, Q3, Q4, Q5	4
IRLML6401	IRLML6401TRPBF	Q6	1
P-Channel	FDS6681Z	Q7	1
MOSFET-N	NTR4170NT1G	Q8	1
110R	RC0603FR-07110RL	R1	1
10k	RC0603FR-0710KL	R2, R40	2
2K	RC0603FR-072KL	R3, R5, R6, R21, R22, R23, R24, R25, R26, R34, R35, R37, R43, R44, R45, R46	16
120R	RC0603FR-07120RL	R4	1
4k99 0.1%	ERA-3AEB4991V	R7, R9, R10, R11, R12, R13, R14, R15, R16	9
1k 0.1%	ERA-3AEB102V	R8	1
10k 0.1%	ERA-3AEB103V	R17, R18, R19, R20	4
470R	RC0603FR-07470RL	R27, R28	2
4k7	RC0603FR-074K7L	R29, R30, R31, R32, R33, R36, R38, R39, R47, R48, R49	11
100R	RC0603FR-07100RL	R41, R42	2
SW DIP-4_1.27	218-4LPSTR	S1	1
PTS840 GKP SMTR LFS	PTS840 GKP SMTR LFS	SW1	1
TPP-SMD-15R	tp	T1, T2, T3	3
LM4040AIM3-3.0	LM4040AIM3-3.0	U1	1
SN65HVD232D	SN65HVD232D	U2	1
MCP1501T-10E	MCP1501T-10E/CHY	U3	1
STM32F072RBT6	STM32F072RBT6	U4	1
AD629	AD629ARZ	U5, U6, U7, U8	4
Optron	LTV-816S	U9, U10, U11, U12, U13, U14, U17, U18, U19	9
MAX5402EUA	MAX5402EUA+	U15	1
LTC1754ES6-5	LTC1754ES6-5	U16	1
VDD, GND, RL5	NC	X1, X3, X5	3
Micro_Fit_2	0430450200	X2, X7	2
Mini-Fit 0039301101	0039301101	X4	1
Analog	0430450800	X6	1



