

Comment	Description	Designator	Quantity
Printed Circuit Board	Printed Circuit Board	!PCB1	1
AFK227M63H32T-F	CAP, AL, 220 µF, 63 V,	C1, C2, C12, C13, C19, C20, C23, C24	8
GRM32ER71K475KE14	CAP, CERM, 4.7 µF, 80	C3, C4, C5, C6, C7, C8, C9, C10, C14, C28, C31, C32, C33, C34, C35, C36, C37, C38	18
GRM32ER71K475KE14	CAP, CERM, 4.7 µF, 80	C11, C22, C25, C26, C39, C111, C112, C113, C114, C115, C116, C117, C118, C120	14
GCM188R71C105KA64	CAP, CERM, 1 µF, 16 V,	C15, C21, C27, C29, C40, C41, C45, C47, C106, C107	10
GRM188R72A104KA35	CAP, CERM, 0.1 µF, 100	C16, C43, C70	3
06035A330JAT2A	CAP, CERM, 33 pF, 50 V	C17, C18, C30, C42, C44, C46	6
06035C104KAT2A	CAP, CERM, 100 pF, 50	C48, C51, C52, C55, C57, C62, C89, C91, C93, C98, C123	11
06035A220JAT2A	CAP, CERM, 22 pF, 50 V	C49, C54, C60	3
06035A101FAT2A	CAP, CERM, 100 pF, 50	C50, C56, C61, C97	4
C0603C472J5RACTU	CAP, CERM, 4700 pF, 50	C53	1
C0603C103K5RACTU	CAP, CERM, 0.01 µF, 50	C58, C59, C63, C79, C81	5
GRM155R71E822KA01	CAP, CERM, 0.1µF, 100	C64, C69	2
GRM32ER71E226KE15	CAP, CERM, 22 µF, 25 V	C65, C67	2
GRM32ER71C226KE18	CAP, CERM, 22 µF, 16 V	C66	1
C0402C103J5RACTU	CAP, CERM, 0.01 µF, 50	C68, C90, C102, C105, C108, C110	6
GRM155R71H153KA12	CAP, CERM, 0.015 µF, 50	C71, C73	2
GRM32ER72A225KA35	CAP, CERM, 2.2 µF, 100	C72	1
GRM155C1H102JA01	CAP, CERM, 1000 pF, 50	C74	1
GRM188R71E105KA12	CAP, CERM, 1µF, 25V, +	C75	1
C0805C472K2RACTU	CAP, CERM, 4700 pF, 25	C76	1
GRM31CR71E106KA12	CAP, CERM, 10 µF, 25 V	C77, C78	2
C0603C225K9PACTU	CAP, CERM, 2.2 µF, 6.3	C80, C82, C103	3
C0603C472K5RACTU	CAP, CERM, 22 pF, 50 V	C83	1
C0603C472K5RACTU	CAP, CERM, 22 pF, 50 V	C84, C86, C92, C95, C96	5
0805YD225KAT2A	CAP, CERM, 2.2 µF, 16	C85	1
C0603C223K5RACTU	CAP, CERM, 0.022 µF, 50	C87, C88, C94	3
GRM188C81A225KE34	CAP, CERM, 2.2 µF, 10	C99	1
C1005X7R1H104K050B	CAP, CERM, 0.1 µF, 50	C100, C101	2
C0603C475K8PACTU	CAP, CERM, 4.7 µF, 10	C104, C109	2
C1608X7R1E105K080A	CAP, CERM, 1 µF, 25 V,	C119, C121, C125, C127	4
C0603C470K5RACAUT	C0603 47 pF X7R 30ppm	C122, C124	2
06035A221JAT2A	CAP, CERM, 220 pF, 50	C126	1
BAV21WS-7-F	Diode, Switching, 250 V	D1, D6, D17	3
MBR0540T1G	Diode, Schottky, 40 V, 0	D2, D3, D5, D7, D8, D10, D18, D19, D21, D22	10
RB058LAM150TR	Diode, Schottky, 150 V,	D4, D9, D20	3
MMBD7000LT1G	Diode, Switching, 100V	D11	1
SML-LX0603GW-TR	LED, Green, SMD	D12	1
MBR1H100SFT3G	Diode, Schottky, 100V,	D13, D14	2
SM05T1G	Diode, TVS, Uni, 5V, 30	D15, D16	2
Fiducial	Fiducial mark. There is	FID1, FID2, FID3	3
NY PMS 440 0025 PH	Machine Screw, Round	H1, H2, H3, H4	4
1902C	Standoff, Hex, 0.5"L #4	H5, H6, H7, H8	4
GND	Terminal 50A Lug	J1	1
Vout1	Standard Banana Jack,	J2	1
-Vsupply	Terminal 50A Lug	J3	1
GND	Standard Banana Jack,	J4	1
131-5031-00	Compact Probe Tip Circ	J5	1
61300111121	Header, 2.54 mm, 1x1,	J6, J7, J8, J9, J14, J15, J16, J17, J18, J20, J21	11
PBC02SAAN	Header, 2.54mm, 2x1,	J10	1
PRPC005SBAN-M71RC	Header, 2.54mm, 5x1,	J11	1
N2510-6002-RB	Header (shrouded), 100	J12	1
TSW-102-17-G-S	Header, 2.54mm, 2x1,	J13, J19	2
PEC07DAAN	Header, 100mil, 7x2, Ti	J22	1
7443642200	Inductor, Shielded, Ferr	L1, L5	2
744301033	SMD Flat Wire Inductor	L2	1
XGL6030-221MEC	Shielded Power Inducto	L3, L6, L9	3
744308040	Inductor, Shielded Drur	L4	1
MSD7342-224MLB	Coupled inductor, 220	L7	1
7443641000	Inductor, Shielded, Ferr	L8	1
BSC074N15NS5ATMA1	N-Channel 150 V 114A	Q1, Q2, Q3, Q4, Q6, Q7, Q8, Q9, Q12, Q13, Q14, Q15	12
BSC360N15NS3 G	MOSFET, N-CH, 150 V,	Q5, Q10, Q16	3
MMBT3904	Transistor, NPN, 40V, 0	Q11	1
RC0603FR-0715RL	RES, 15.0, 1%, 0.1 W, 0	R1, R12	2
CRE2512-FZ-R001E-3	RES, 0.001, 1%, 3 W, A	R2, R20, R118	3
CRCW060310R0JNEAHI	RES, 10, 5%, 0.25 W, 0	R3, R5, R8, R13, R16, R21, R23, R26, R33	9
CRCW060310K0FKEA	RES, 10.0 k, 1%, 0.1 W,	R4, R11, R19, R22, R29, R36, R75, R78, R91, R92, R93, R94, R99, R100, R101, R102, R103	17
RMCF0603ZTOR00	RES, 0, 1%, 0.1 W, AEC	R6, R14, R15, R25, R32, R127, R132	7
RC0805FR-074R7L	RES, 4.70, 1%, 0.125 W	R7, R24	2
CRCW06033K30JNEA	RES, 2.00 k, 1%, 0.1 W,	R9, R18, R27, R34	4
RC0805FR-071RL	RES, 1.00, 1%, 0.125 W	R10, R17, R28, R35, R128, R135	6
RC0603FR-0710RL	RES, 10.0, 1%, 0.1 W, 0	R30, R109, R119, R121, R124, R130	6
ERJ3EKF2001V	RES, 2.00 k, 1%, 0.1 W,	R31, R125, R131, R133	4

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CRCW06031K50FKEA	RES, 1.00 k, 1%, 0.1 W,	R37, R38, R39, R43, R44, R45, R46, R48, R53, R54, R55, R56, R58, R61, R63, R70, R72	17
RC0603FR-0720K5L	RES, 20.5 k, 1%, 0.1 W,	R40, R57, R67	3
RT0603BRD07499RL	RES, 499, 0.1%, 0.1 W,	R41, R47, R59, R62, R68, R71	6
CRCW08051R00JNEA	RES, 1.0, 5%, 0.125 W,	R42, R60, R69, R79, R82	5
CRCW0603649KFKEA	RES, 649 k, 1%, 0.1 W,	R49, R64, R73	3
CRCW06031R00FKEA	RES, 1.00, 1%, 0.1 W, A	R50	1
RC0603FR-071KL	RES, 1.00 k, 1%, 0.1 W,	R51	1
CRCW06032K67FKEA	RES, 2.67 k, 1%, 0.1 W,	R52	1
CRCW06031K00FKEA	RES, 1.00 k, 1%, 0.1 W,	R65, R66	2
CRCW0603499RFKEA	RES, 499, 1%, 0.1 W, 06	R74, R76	2
CRCW06033K32FKEA	RES, 3.32 k, 1%, 0.1 W,	R77	1
CRCW08050000Z0EA	RES, 0, 5%, 0.125 W, 08	R80, R81, R87	3
CRCW0402110KJNED	RES, 110 k, 5%, 0.063 W	R83	1
CRCW0402499KFKEA	RES, 499 k, 1%, 0.063 W	R84	1
CRCW040230K0JNED	RES, 30 k, 5%, 0.063 W	R85	1
CRCW040215K8FKED	RES, 15.8 k, 1%, 0.063 W	R86	1
CRCW04024K30JNED	RES, 4.3k ohm, 5%, 0.063 W	R88	1
CRCW04023K92FKED	RES, 3.92 k, 1%, 0.063 W	R89	1
CRCW060333R2FKEA	RES, 33.2, 1%, 0.1 W, 0	R90, R95, R96, R98	4
CRCW060351K1FKEA	RES, 51.1 k, 1%, 0.1 W,	R97	1
CRCW06030000Z0EA	RES, 1.00, 1%, 0.1 W, 0	R104, R116, R117	3
CRCW06031R50FKEA	RES, 1.50, 1%, 0.1 W, A	R105, R106, R107, R108, R110, R111, R112, R113, R114	9
CRCW06032K20JNEA	RES, 2.2 k, 5%, 0.1 W, 0	R115	1
CRCW060310K5FKEA	RES, 10.5 k, 1%, 0.1 W,	R120, R123, R126, R129, R136	5
RC0805FR-074R7L	RES, 4.70, 1%, 0.125 W	R122	1
CRCW06031K33FKEA	RES, 1.33 k, 1%, 0.1 W,	R134	1
G12AP	Switch, Toggle, SPDT 1P	S1	1
GND	Test Point, Multipurpose	TP1, TP3	2
VOUT1	Test Point, Multipurpose	TP2	1
-Vs	Test Point, Multipurpose	TP4	1
-Vin	Terminal, Turret, TH, D	TP5	1
SGND	Terminal, Turret, TH, D	TP6	1
5012	Test Point, Multipurpose	TP7	1
UCC21225ANPL	4A/6A Isolated Dual-Ch	U1, U2, U3, U4, U14, U15	6
OPA365AIDBVR	50 MHz, Low-Noise, Sin	U5, U6, U7, U10	4
LM60CIM3X	2.7V Temperature Sens	U8, U9	2
LP2985AIM5-3.3	Micropower 150 mA Ld	U11	1
LM5161PWPR	Wide Input 65V, 1.5A S	U12	1
UCD3138064ARGCR	Highly Integrated Digit	U13	1

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