

Quantity	Designator	Value	Manufacturer	Manufacturer Order Number	Part Type	SheetNumber
2	U500, U520	LM339PWR	Texas Instruments	LM339PWR	Analog Parts	6
1	U501	MCP6567-E/MS	Microchip Technology	MCP6567-E/MS	Analog Parts	6
1	U600	MAX4073FAUT+T	Maxim Integrated Products	MAX4073FAUT+T	Analog Parts	7
1	U610	MAX40056TAUA+	Maxim Integrated Products	MAX40056TAUA+	Analog Parts	7
1	U620	INA180A1IDBVR	Texas Instruments	INA180A1IDBVR	Analog Parts	7
1	U630	TLV197QDGKRQ1	Texas Instruments	TLV197QDGKRQ1	Analog Parts	7
3	C204, C411, C441	10nF	TDK Corporation	C1608X8R1H103K080AA	Capacitor	3, 5
Don't place	C210	1mF	Kemet	ESY108M035AL4AA	Capacitor	3
3	C211, C702, C710	220uF	Würth Elektronik	865080657018	Capacitor	3, 8
8	C212, C300, C313, C404, C434, C701, C712, C713	10uF	Taiyo Yuden	UMK316BBJ106ML-T	Capacitor	3, 4, 5, 8
40	C213, C214, C215, C301, C302, C311, C312, C400, C402, C403, C410, C430, C432, C433, C440, C500, C501, C503, C505, C510, C514, C520, C523, C526, C530, C533, C540, C562, C570, C600, C610, C620, C630, C700, C750, C751, C752, C811, C813, C814	100nF	AVX	06035C104KAT2A	Capacitor	3, 4, 5, 6, 7, 8, 9
5	C221, C412, C442, C722, C723	1nF	Würth Elektronik	885012206083	Capacitor	3, 5, 8
1	C303	22uF	Taiyo Yuden	TMK325BJ226KM-P	Capacitor	4
5	C310, C405, C435, C506, C507	2.2uF	MuRata	GRM188R61E225KA12D	Capacitor	4, 5, 6
Don't place	C511, C515	22pF	AVX	06035A220K4T2A	Capacitor	6
1	C711	47uF	Würth Elektronik	865080645012	Capacitor	8
1	JP110	61301221121	Würth Elektronik	61301221121	Connector	2
1	JP111	61302021121	Würth Elektronik	61302021121	Connector	2
1	JP112	61301621121	Würth Elektronik	61301621121	Connector	2
7	JP120, JP121, JP122, JP123, JP124, JP128, JP130	61300311121	Würth Elektronik	61300311121	Connector	2
5	JP125, JP126, JP127, X720, X723	61300211121	Würth Elektronik	61300211121	Connector	2, 8
1	JP710	61300621121	Würth Elektronik	61300621121	Connector	8
7	TP103, TP202, TP300, TP421, TP503, TP710, TP802	5011	Keystone Electronics Corp.	5011	Connector	2, 3, 4, 5, 6, 8, 9
44	TP200, TP201, TP203, TP205, TP210, TP220, TP400, TP401, TP411, TP412, TP430, TP431, TP441, TP442, TP500, TP501, TP502, TP504, TP506, TP507, TP508, TP511, TP520, TP522, TP525, TP526, TP528, TP532, TP540, TP541, TP542, TP543, TP570, TP600, TP601, TP602, TP610, TP611, TP612, TP620, TP621, TP622, TP630, TP721	S1751-46R	Harwin	S1751-46R	Connector	3, 5, 6, 7, 8
4	X100, X101, X102, X103	575-8	Keystone Electronics Corp.	575-8	Connector	2
1	X140	61301211121	Würth Elektronik	61301211121	Connector	2
1	X150	61201021621	Würth Elektronik	61201021621	Connector	2
3	D110, D111, D112	BAT54-05W	Infineon	BAT54-05W	Diode	2
3	D200, D201, D202	12V	Nexperia	BZX84-C12,215	Diode	3
1	D203	20V	Nexperia	BZX84-C20,215	Diode	3
1	D211	SMDJ20A	Littelfuse	SMDJ20A	Diode	3
14	D320, D330, D340, D550, D551, D552, D553, D741, D743, D745, D801, D803, D805, D807	Red	Würth Elektronik	150060RS75000	Diode	4, 6, 8, 9

Quantity	Designator	Value	Manufacturer	Manufacturer Order Number	Part Type	SheetNumber
12	D402, D404, D405, D411, D432, D434, D435, D441, D442, D443, D511, D515	BAS70-04	Infineon	BAS70-04	Diode	5, 6
3	D410, D433, D440	15V	Nexperia	BZX84-C15,215	Diode	5
4	D620, D740, D742, D744	BAT54-06W	Infineon	BAT54-06W	Diode	7, 8
1	D730	SMC5K40A-M3/I	Vishay	SMC5K40A-M3/I	Diode	8
1	D731	PMEG6030ETPX	Nexperia	PMEG6030ETPX	Diode	8
4	S110, S560, S810, S812	1301.9314	Schurter	1301.9314	Electro Mechanic	2, 6, 9
5	S200, S750, S751, S752, S814	CL-SB-12A-01T	NIDEC COPAL ELECTRONICS, Inc.	CL-SB-12A-01T	Electro Mechanic	3, 8, 9
1	L420	27uH	Wurth Elektronik	7447709270	Inductor	5
1	L421	15uH	Bourns	SRP6060FA-150M	Inductor	5
1	D204	ATL431AQDBZR	Texas Instruments	ATL431AQDBZR	Integrated Circuit	3
2	U410, U440	ICM7555IBAZ	Renesas	ICM7555IBAZ	Integrated Circuit	5
1	U540	HEF4043BT,653	Nexperia	HEF4043BT,653	Integrated Circuit	6
1	U570	74HC4002PW,118	Nexperia	74HC4002PW,118	Integrated Circuit	6
1	G300	TLE42764GV	Infineon	TLE42764GV	Power Supply	4
1	G310	TLE4266-2GS V33	Infineon	TLE4266-2GS V33	Power Supply	4
2	U400, U430	IRS2184SPBF	Infineon	IRS2184SPBF	Power Supply	5
4	R103, R211, R420, R421	15mR	Ohmite	L4T12FR015FER	Resistor	2, 3, 5
22	R110, R111, R112, R130, R200, R202, R203, R205, R209, R220, R411, R441, R503, R504, R508, R512, R521, R528, R800, R802, R804, R806	47k	Vishay	CRCW060347K0FK	Resistor	2, 3, 5, 6, 9
9	R122, R123, R173, R505, R506, R507, R740, R742, R744	100k	Vishay	CRCW0603100KFK	Resistor	2, 6, 8
8	R124, R131, R132, R410, R440, R631, R633, R722	1.3k	Vishay	CRCW06031K30FK	Resistor	2, 5, 7, 8
4	R160, R524, R531, R611	10k	Bourns	3361P-1-103GLF	Resistor	2, 6, 7
15	R170, R207, R300, R320, R330, R500, R522, R529, R621, R622, R721, R741, R743, R745, R814	17.8k	Vishay	CRCW060317K8FK	Resistor	2, 3, 4, 6, 7, 8, 9
6	R171, R400, R401, R430, R431, R720	20R	Vishay	CRCW060320R0FK	Resistor	2, 5, 8
24	R172, R221, R301, R404, R405, R434, R501, R502, R510, R511, R514, R515, R520, R523, R525, R527, R530, R532, R561, R750, R751, R752, R810, R812	4.7k	Vishay	CRCW06034K70FK	Resistor	2, 3, 4, 5, 6, 8, 9
2	R204, R208	2MEG	Vishay	CRCW06032M00FK	Resistor	3
6	R206, R562, R632, R634, R811, R813	64.9k	Vishay	CRCW060364K9FK	Resistor	3, 6, 7, 9
12	R340, R402, R403, R435, R550, R551, R552, R553, R801, R803, R805, R807	2.2k	Vishay	CRCW06032K20FK	Resistor	4, 5, 6, 9
Don't place	R509, R513	100k	Vishay	CRCW0603100KFK	Resistor	6
1	R526	10k	MuRata	NCP18XH103F03RB	Resistor	6
13	Q124, Q130, Q550, Q551, Q552, Q553, Q740, Q742, Q744, Q800, Q802, Q804, Q806	BSS816NW	Infineon	BSS816NW	Transistor FET	2, 6, 8, 9
2	Q170, Q202	BSS84PH6327XTSA2	Infineon	BSS84PH6327XTSA2	Transistor FET	2, 3
2	Q200, Q201	IPD650P06NM	Infineon	IPD650P06NM	Transistor FET	3
7	Q400, Q401, Q430, Q431, Q741, Q743, Q745	BSZ100N06NS	Infineon	BSZ100N06NS	Transistor FET	5, 8