

Quantity	Designator	Placed?	Value	Manufacturer	Manufacturer Order Number	Part Type	Sheet
3	C204, C411, C441		10nF	TDK Corporation	C1608X8R1H103K080AA	Capacitor	3, 5
1	C210		1mF	Kemet	ESY108M035AL4AA	Capacitor	3
3	C212, C701, C715		220uF	Panasonic	EEF1P1H221AV	Capacitor	3, 8
10	C213, C321, C323, C324, C404, C434, C700, C710, C711, C712		10uF	Murata Electronics	GRT31CR61H106ME01L	Capacitor	3, 4, 5, 8
34	C220, C300, C310, C320, C322, C400, C402, C410, C430, C432, C440, C500, C501, C503, C505, C510, C514, C520, C523, C526, C530, C533, C540, C562, C570, C600, C610, C630, 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	885012206083	Capacitor	3, 5, 8
6	C301, C311, C405, C435, C506, C507		2.2uF	MuRata	GRM188R61E225KA12D	Capacitor	4, 5, 6
Don't place	C511, C515		22pF	AVX	06035A220K4T2A	Capacitor	6
2	D110, D111		BAT54-05W	Infineon	BAT54-05W	Diode	2
2	D112, D320		BAS3010A-03W	Infineon	BAS3010A-03W	Diode	2, 4
3	D200, D201, D202		12V	Nexperia	BZX84-C12,215	Diode	3
1	D203		20V	Nexperia	BZX84-C20,215	Diode	3
1	D204		ATL431AQDBZR	Texas Instruments	ATL431AQDBZR	Integrated Circuit	3
12	D210, D550, D551, D552, D553, D741, D743, D745, D801, D803, D805, D807		Red	Würth	150060RS75000	Diode	3, 6, 8, 9
1	D211		SMDJ20A	Littelfuse	SMDJ20A	Diode	3
13	D321, D402, D404, D405, D411, D432, D434, D435, D441, D442, D443, D511, D515		BAS70-04	Infineon	BAS70-04	Diode	4, 5, 6
3	D410, D433, D440		15V	Nexperia	BZX84-C15,215	Diode	5
1	D730		SMC5K40A-M3/I	Vishay	SMC5K40A-M3/I	Diode	8
1	D731		PMEG6030ETPX	Nexperia	PMEG6030ETPX	Diode	8
3	D740, D742, D744		BAT54-06W	Infineon	BAT54-06W	Diode	8
1	G300		TLS805B1LDV	Infineon	TLS805B1LDV	Power Supply	4
1	G310		TPS7B83-Q1	Texas Instruments	TPS7B8333QDCYRQ1	Power Supply	4
1	G320		MCP16301T-E/CH	Microchip	MCP16301T-E/CH	Power Supply	4
1	JP110		61301221121	Würth	61301221121	Connector	2
2	JP111, JP112		61301621121	Würth	61301621121	Connector	2
5	JP120, JP122, JP123, JP124, JP128		61300311121	Würth	61300311121	Connector	2
9	JP125, JP126, JP127, JP212, JP421, JP701, JP723, TP421, X720		61300211121	Würth	61300211121	Connector	2, 3, 5, 8
1	JP710		61300421121	Würth	61300421121	Connector	8
1	L320		22uH	Würth	74404064220	Inductor	4
1	L420		27uH	Würth	7447709270	Inductor	5
1	L421		15uH	Bourns	SRP6060FA-150M	Inductor	5
13	Q124, Q130, Q550, Q551, Q552, Q553, Q740, Q742, Q744, Q800, Q802, Q804, Q806		BSS816NW	Infineon	BSS816NW	Transistor FET	2, 6, 8, 9
2	Q200, Q201		IPD650P06NM	Infineon	IPD650P06NM	Transistor FET	3
1	Q202		BSS84PH6327XTSA2	Infineon	BSS84PH6327XTSA2	Transistor FET	3

7	Q400, Q401, Q430, Q431, Q741, Q743, Q745		BSZ100N06NS	Infineon	BSZ100N06NS	Transistor FET	5, 8
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
11	R122, R123, R320, R505, R506, R507, R509, R513, R740, R742, R744		100k	Vishay	CRCW0603100KFK	Resistor	2, 6, 8
8	R124, R131, R322, 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
6	R170, R400, R401, R430, R431, R720		20R	Vishay	CRCW060320R0FK	Resistor	2, 5, 8
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	R207, R210, R301, R321, R500, R522, R529, R721, R741, R743, R745, R814		17.8k	Vishay	CRCW060317K8FK	Resistor	2, 3, 4, 6, 7, 8, 9
2	R212, R701		300mR	Vishay	WSL2512R3000FEA	Resistor	3, 8
22	R221, 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
13	R302, R303, R402, R403, R435, R550, R551, R552, R553, R801, R803, R805, R807		2.2k	Vishay	CRCW06032K20FK	Resistor	4, 5, 6, 9
1	R526		10k	MuRata	NCU18XH103D60RB	NTC	6
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	CL-SB-12A-01T	Electro Mechanic	3, 8, 9
6	TP100, TP101, TP102, TP103, TP104, TP105		5011	Keystone	5011	Connector	2
18	TP160, TP211, TP320, TP400, TP401, TP430, TP431, TP432, TP525, TP532, TP540, TP541, TP542, TP543, TP600, TP610, TP611, TP630		S1751-46R	Harwin	S1751-46R	Connector	2, 3, 4, 5, 6, 7
2	U400, U430		IRS2184SPBF	Infineon	IRS2184SPBF	Power Supply	5
2	U410, U440		ICM7555IBAZ	Renesas	ICM7555IBAZ	Integrated Circuit	5
2	U500, U520		LM339PWR	Texas Instruments	LM339PWR	Analog Parts	6
1	U501		MCP6567-E/MS	Microchip	MCP6567-E/MS	Analog Parts	6
1	U540		HEF4043BT,653	Nexperia	HEF4043BT,653	Integrated Circuit	6
1	U570		74HC4002PW,118	Nexperia	74HC4002PW,118	Integrated Circuit	6
1	U600		MAX4073FAUT+T	Maxim Integrated	MAX4073FAUT+T	Analog Parts	7
1	U610		MAX40056TAUA+	Maxim Integrated	MAX40056TAUA+	Analog Parts	7
1	U630		TLV197QDGKRQ1	Texas Instruments	TLV197QDGKRQ1	Analog Parts	7
2	X100, X102		973 582-101	Hirschmann	973 582-101	Connector	2
2	X101, X103		973 582-100	Hirschmann	973 582-100	Connector	2
1	X140		61301211121	Würth	61301211121	Connector	2
1	X150		61201021621	Würth	61201021621	Connector	2