

Quantity	Designator	Description	Manufacturer	Manufacturer PN	Manufacturer1	Manufacturer1 PN	Manufacturer2	Manufacturer2 PN
13	C100, C101, C137, C180, C201, C202, C203, C204, C208, C209, C210, C217, C218	Capacitor 0603 - 10uF - 16V - X5R - 20%	Murata	GRM188R1C106M08A73D	TDK	C1608X5R1C106M080A8	Taiyo Yuden	EMX107B8109MAA-T
51	C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C126, C127, C128, C129, C130, C131, C132, C133, C134, C135, C136, C137, C138, C139, C140, C401, C400, C501, C602, C603, C605, C606, C607, C608, C609, C610	Capacitor 0603 - 100nF - 16V - X7R - 10%	Wurth	RS012206046	Yageo	CC0603K957R78B104	Multicomp	MCCAD00119
4	C143, C144, C145, C146	Capacitor 0603 - 10uF - 100V - CGC - 5%	TDK	C1608CG2A100D	Murata	GCM1885C2A100J	Samsung	CL10C100J81PB
1	C206, C207, C211, C212, C213, C214, C215, C216, C219, C220, C400	Capacitor 0603 - 1uF - 16V - X7R - 10%	Kemet	C0603C105K4RACU1	Murata	GCM188R1C105K	Wurth	885012206052
1	C504	Capacitor 0603 - 4.7uF - 16V - X2R - 10%	Murata	GRM188R1C475K08AC1	TDK	C1608X5R1C475K080AC		
13	CN100, CN205, CN300, CN301, CN302, CN303, CN304, CN305, CN306, CN309, CN310, CN311, CN312	Connector - SMA - Female - Horizontal - Mid Mount - Samtec - SMA-J-P-4H-ST-EM3	Samtec	SMA-J-P-4H-ST-EM3				
3	CN200, CN202, CN204	Connector - Wire to Board Terminal Block - 2-Positions - Wurth - 691213710002	Wurth	691213710002				
7	CN201, CN203, CN205, CN206, CN601, CN602, CN603	Connector - Header - 3-Pin - single row - Male - Molex 90120-0123	Molex	90120-0123				
1	CN207	Connector - Header - 2-Pin - single row - Male - Molex	Molex	90120-0122				
6	D100, D101, D102, D103, D200, D201, D205, D206	BAT101	STMicroelectronics	BAT10J				
3	D202, D203, D204	Diode - ISD -15kV - 100Hz - ES0AXLC6 - 18T2	STMicroelectronics	ES0AXLC6 - 18T2				
2	D403, D401	Opto - DEL - RG 630/72nm 250/60 mcd - 20mA	Wurth	115014RVF1100				
19	D402, D403, D404, D405, D406, D407, D408, D409, D410, D411, D412, D416, D417, D418, D419, D420, D421, D422, D423	Opto - DEL - Yellow 940nm - 2mA - 10 mcd	Kingbright	AA312BL5YCKTJ33				
1	D415	Opto - DEL - Red 625nm - 2mA - 120 mcd	Kingbright	AA312BL5ECKTJ33				
4	F200, F201, F202, F203	Fuse 0805 - PTC Resettable - 1A - 0.5A - 6VDC - 0.9Ohms	Bul Fuse	GZCXX0509F2E	Bourns	MF-PSMF050X-2	Littelfuse	0805L050WR
1	J200	Connector - USB - Micro B - Wurth	Wurth	629-105-110-521				
4	J500, J501, J502, J503	Connector - Header - 20 Pins - Dual row - Shrouded - Male	Samtec	HT55-110-01-G-D				
3	L100, L101, L100	Femte - Bead - 0603 BLM18	MURATA	BLM18KG101TN1D				
1	P100	Connector - Header - 40 Pins - Dual row - Male	Samtec	TSW-405-07-G-D				
2	Q200, Q203	Switch - PMOS 30V - STTB6LLH6 - SOT23	STMicroelectronics	STTB6LLH6	ON Semiconductor	CPH3355-TL-W	MCC	52307-TP
4	Q201, Q202, Q204, Q205	Switch - NMOS 30V - STTB6LLH6 - SOT23-6	STMicroelectronics	STTB6LLH6				
1	R100	Resistor 0603 - 47KOhm - 1/10W - 1%	YAGEO	RC0603FR-0747KL				
20	R101, R102, R103, R104, R105, R107, R108, R110, R111, R112, R201, R230, R239, R340, R349, R600, R601, R602, R604, R605	Resistor 0603 - 10KOhm - 1/10W - 1%	Yageo	RC0603FR-0710KL	Panasonic	ERJ6KF1002	KOA Speer	RK73H1JHT-1002F
3	R200, R207, R216	Potentiometer - 50 KOhms - 10% - 0.5W - Bourns - 3296W-1-503RUF	Bourns Electronics	3296W-1-503RUF				
2	R201, R209	Resistor 0603 - 470KOhm - 1/10W - 1%	Yageo	RC0603FR-07470RP	Panasonic	ERJ6KF4700	KOA Speer	RK73H1JTD4700F
2	R202, R211	Resistor 0603 - 15KOhm - 1/10W - 1%	Yageo	RC0603FR-1015KL	Panasonic	ERJ6KF1502	KOA Speer	RK73H1JHT-1502F
4	R203, R204, R212, R213	Resistor 0603 - 20KOhm - 1/10W - 1%	Vishay	CR0603-20K09KEA				
16	R205, R214, R215, R304, R306, R308, R312, R316, R318, R320, R322, R326, R330, R332, R334, R340, R342, R346, R350	Resistor 0603 - 1KOhm - 1/10W - 1%	Yageo	RC0603FR-071KL				
1	R206	Resistor 0603 - 500Ohm - 1/10W - 1%	Vishay	CR0603-500K9KEA				
1	R208	Resistor 0603 - 100KOhm - 1/10W - 1%	Vishay	CR0603-100K9KEA				
1	R210	Potentiometer - 100 Ohms - 25 turns - 10% - 0.5W - Bourns - 3296W-1-101LF	Bourns Electronics	3296W-1-101LF				
1	R217	Resistor 0603 - 28KOhm - 1/10W - 1%	Yageo	AC0603FR-0728KL	Panasonic	ERJ6KF2802	KOA Speer	RK73H1JHT-2802F
11	R300, R302, R303, R310, R311, R314, R315, R316, R337, R344, R345	Resistor 0603 - 600hm - 1/10W - 1%	Vishay	CR0603-600K9KEA				
2	R400, R403	Resistor 0603 - 4.7KOhm - 1/10W - 1%	Vishay	CR0603-4.7K9KEA				
1	S100	Misc - Button - WURTH 430152008026	Wurth Elektronik	430152008026				
1	S200	Slide switch - 4A - 30VDC - APEM - 25138NAH	APEM	25138NAH				
4	S400, S401, S402, S403	Misc - DIP switch - 8-ways - TE connectivity - 1802007-7	TE Connectivity	1802007-7				
22	THP200, THP201, THP202, THP203, THP204, THP205, THP206, THP207, THP208, THP209, THP210, THP300, THP301, THP302, THP303, THP304, THP305, THP306, THP309, THP310, THP311, THP312	Misc - Test pin - Through hole - Millmax - 6821-0-00-15-00-00-00-08-0	Mill-max	6821-0-00-15-00-00-08-0				
1	U100	FPGA - 1.2V - Altera - EP4KCE22E2C6	Altera	EP4KCE22E2C6				
1	U105	IC - Serial configuration device - 16MbIts - SOIC8 - Altera - EPC316BN	Altera / Intel	EPC3160BN	Altera / Intel	EPCQ16AS0N		
2	U200, U202, U205	Power - LDO - Adj - 20V - 1.5A - SOT23-6	Texas Instruments	TL1106A02CR				
3	U201, U204, U208	Power - LDO - 3.3V - 300 mA - SOT23-5L	STMicroelectronics	L0K120M33R				
1	U203	Power - Operational amplifier - ADA4895-1	Analog Device	ADA4895-1ARZ-R				
1	U206	Power - LDO - 1.2V - 300 mA - SOT23-5L	STMicroelectronics	L0K120M12R				
1	U207	Power - LDO - 2.5V - 300 mA - SOT23-5L	STMicroelectronics	L0K120M25R				
1	U400	Power - LED Driver - 24 LEDs - TLC5952 - HTSSOP32	Texas Instruments	TLC5952DAP				
4	U600, U601, U602, U604	Logic - Level Shifter - 1.65V - 5.5V - 420Mbps 3-state - SOT23-6 - Texas Instruments - SN74LVCT145DBVR	Texas Instruments	SN74LVCT145DBVR				
1	U607	IC - USB-to-UART 1-Ch 256Byte FIFO - 18-Pin SSOP	FTDI	FT232RL				
1	Y100	Oscillator - 5MHz - 3.3V - HCMOS - ECL-252033-250-PN-T8	ICS	ECS-252033-250-PN-T8				