

Quantity	Designator	Description	Manufacturer	Manufacturer PN	Manufacturer1	Manufacturer1 PN	Manufacturer2	Manufacturer2 PN
7	C100, C101, C137, C202, C203, C204, C210	Capacitor 0603 - 10uF - 16V - XSR - 20%	Murata	GRM188R61C108AA73D	TDK	C160BX581C106M080AB	Taiyo Yuden	EMK107BU108AA-T
49	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, C138, C139, C141, C142, C147, C148, C149, C150, C151, C152, C153, C154, C205, C401	Capacitor 0603 - 100pF - 16V - X7R - 10%	Wurth	885012206045	Yageo	CC0603KXV7078B104	Multicomp	MCC4080T59
1	C140	Capacitor 0603 - 4.7uF - 16V - X5R - 10%	Murata	GRM188R61C475KE11	TDK	C160BX581C475K080AC		
4	C143, C144, C145, C146	Capacitor 0603 - 10pF - 100V - C0G - 5%	TDK	C160BC062A1000	Murata	GCM1885CA100J	Samsung	CL10C100IC81P8
14	C206, C208, C207, C208, C211, C212, C213, C214, C215, C216, C217, C219, C220, C400	Capacitor 0603 - 1uF - 16V - X7R - 10%	Kemet	C0603C105K48ACTJ	Murata	GCM188R71C105K	Wurth	885012206052
3	C201, C209, C210	Capacitor 0603 - 2.2uF - 16V - X5R - 20%	Wurth	885012106018	Murata	GRM188R61C225KE15		
16	CN100, CN200, CN300, CN301, CN302, CN303, CN304, CN305, CN306, CN307, CN308, CN309, CN310, CN311, CN312, CN500	Connector - SMA - Female - Horizontal - Molex - 0731000114	Molex	0731000114				
6	CN101, CN102, CN103, CN201, CN203, CN206	Connector - Header - 3-Pin - single row - Male - Molex - 90120-0123	Molex	90120-0123				
3	CN200, CN202, CN204	Connector - Wire to Board Terminal Block - 2-Positions - Wurth - 691213710002	Wurth	691213710002				
8	D100, D101, D102, D103, D200, D201, D205, D206	BA140	STMicroelectronics	BA140				
3	D202, D203, D204	ESDAXL6-18T2	STMicroelectronics	ESDAXL6-18T2				
2	D400, D401	Opto - DEL - RG 630/570nm 30/50 mcd	Kingbright	APH01224LSURCKGC				
19	D402, D403, D404, D405, D406, D407, D408, D409, D410, D411, D412, D413, D414, D416, D417, D418, D419, D420, D421	Opto - DEL - Yellow 590nm - 2mA - 30 mcd	Kingbright	AA352BL5VCKT/J3				
1	D415	Opto - DEL - Red 630nm - 2mA - 45 mcd	Kingbright	APH010RBLSURCK				
1	L200	Connector - USB - Micro-B - Wurth	Wurth	629-105-150-S21				
4	J500, J501, J502, J503	Connector - Board to Board - 40 positions - 0.8mm - High speed - Samtec - QTE-020-04-F-D	Samtec	QTE-020-04-F-D				
3	L100, L101, L200	Ferrite - Bead - 0603 BLM18	MURATA	BLM18KG101TN1D				
1	P100	Connector - Header - 10 Pins - Dual row - Male	Samtec	TSW-105-07-G-D				
2	Q200, Q203	Switch - NMOS 30V - ST6SP3LLH6 - SOT23	STMicroelectronics	ST6SP3LLH6	ON Semiconductor	CPH3355-1L-W	MCC	52207-TP
4	Q201, Q202, Q304, Q305	Switch - NMOS 30V - ST16N3LLH6 - SOT23-6	STMicroelectronics	ST16N3LLH6				
1	R100	Resistor 0603 - 47KOhm - 1/10W - 1%	YAGEO	RC0603FR-0747KXL				
49	R101, R102, R103, R104, R105, R107, R108, R109, R201, R209, R301, R304, R305, R306, R307, R308, R309, R312, R313, R316, R317, R318, R319, R320, R321, R322, R323, R326, R327, R328, R329, R330, R331, R332, R333, R334, R335, R336, R339, R340, R341, R342, R343, R346, R347, R348, R349, R350, R351	Resistor 0603 - 10KOhm - 1/10W - 1%	Yageo	RC0603FR-0710KL	Panasonic	ERJ3EK71002	KOA Speer	8K73H14HT-1002P
2	R106, R400	Resistor 0603 - 4.75KOhm - 1/10W - 1%	Vishay	CR060304075RKEA				
2	R200, R207, R216	Potentiometer - 50 kOhms - 10% - 0.5W - Bourns - 3296W-1-503RLF	Bourns Electronics	3296W-1-503RLF				
2	R302, R211	Resistor 0603 - 15KOhm - 1/10W - 1%	Yageo	RC0603FR-1015KL	Panasonic	ERJ3EK71502	KOA Speer	8K73H14HT-1502P
4	R203, R204, R212, R213	Resistor 0603 - 20Ohm - 1/10W - 1%	Vishay	CR0603020R0FKEA				
3	R205, R214, R215	Resistor 0603 - 1KOhm - 1/10W - 1%	Yageo	RC0603FR-071KL				
15	R206, R300, R302, R303, R310, R311, R314, R315, R324, R325, R336, R337, R344, R345, R500	Resistor 0603 - 10Ohm - 1/10W - 1%	Vishay	CR06030010000FKEA				
1	R308	Resistor 0603 - 100Ohm - 1/10W - 1%	Vishay	CR060301000RKEA				
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	ERJ3EK72802	KOA Speer	8K73H14HT-2802P
1	S100	Misc - Button - WURTH 4301S2080826	Wurth Elektronik	4301S2080826				
1	S200	Slide switch - 4A - 30VDC - APEM - 25136NAH	APEM	25136NAH				
4	S300, S301, S302, S303	Misc - DIP switch - 8 rows - TE connectivity - 1825057-7	TE Connectivity	1825057-7				
21	THP100, THP101, THP102, THP103, THP200, THP201, THP202, THP203, THP300, THP301, THP302, THP303, THP304, THP305, THP306, THP307, THP308, THP309, THP310, THP311, THP312	Misc - Test pin - Through hole - Millmax - 6621-0-00-15-00-00-08-0	Mill-max	6621-0-00-15-00-00-08-0				
1	U100	FRGA - 1.2V - Altera - EP4KCE22K25C5	Altera	EP4KCE22K25C5				
3	U101, U103, U104	Logic - Level Shifter - 1.2V - 5.5V - 420Mbps - 3-state - VSSOP - Nexperia - 74LVC2T45DC	Nexperia	74LVC2T45DC				
1	U102	I ² C - USB-to-UART - CH 256Byte FIFO - 5V - 28-Pin SSOP	FTDI	FT232RL				
1	U105	Serial configuration device - 16Mbits - SOIC8 - Altera - EP4K168N	Altera	EP4K168N				
3	U200, U202, U205	Power - LDO - Adj - 500 mA - MSP-8	Microchip	MCP1825TMM				
3	U201, U204, U208	Power - LDO - 3.3V - 300 mA - SOT23-SL	STMicroelectronics	LDK130M43R				
1	U203	Power - Operational amplifier - ADA4895-1	Analog Device	ADA4895-1ARZ-R				
1	U206	Power - LDO - 1.2V - 300 mA - SOT23-SL	STMicroelectronics	LDK130M12R				
1	U207	Power - LDO - 3.3V - 300 mA - SOT23-SL	STMicroelectronics	LDK130M25R				
1	U400	Power - LED Driver - 24 LEDs - TLC5952 - HTSSOP92	Texas Instruments	TLC5952DAP				
1	Y100	Oscillator - 25MHz - 3.3V - HCMOS - ECS-2520533-250-PN-TR	ECS	ECS-2520533-250-PN-TR				