

6590199 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
+5	1	Green	LTST-C150KGKT	LiteOn	LED, Green, SMD	1.6x3.2mm
+5V	1		RAPC722X	Switchcraft	Power Jack, mini, 2.1mm OD, R/A, TH	Jack, 14.5x11x9mm
C1, C6, C15, C16, C18, C19, C20, C21, C22	9	0.1uF	GRM155R61E104KA87D	MuRata	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X5R, 0402	0402
C2	1	47uF	GRM32ER61A476KE20L	MuRata	CAP, CERM, 47 µF, 10 V, +/- 10%, X5R, 1210	1210
C3	1	22uF	C3225X5R1A226M	TDK	CAP, CERM, 22 µF, 10 V, +/- 20%, X5R, 1210	1210
C4	1	10uF	GRM21BR61E106KA73L	MuRata	CAP, CERM, 10 µF, 25 V, +/- 10%, X5R, 0805_140	0805_140
C5, C8, C9, C10	4	1uF	C1608X5R1E105K080AC	TDK	CAP, CERM, 1 µF, 25 V, +/- 10%, X5R, 0603	0603
C7, C14	2	0.1uF	C1206C104J5RACTU	Kemet	CAP, CERM, 0.1 µF, 50 V, +/- 5%, X7R, 1206	1206
C12	1	1000pF	CC1206KRX7R9BB102	Yageo America	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 1206	1206
C13	1	2.2uF	C3216X7R1E225K	TDK	CAP, CERM, 2.2 µF, 25 V, +/- 10%, X7R, 1206	1206
D1	1	15V	MBRB2515LT4G	ON Semiconductor	Diode, Schottky, 15 V, 25 A, DDPAK	DDPAK
J2, J3	2		142-0701-851	Emerson Network Power	Connector, End launch SMA, 50 ohm, SMT	SMA End Launch
JP1, JP3	2	1x3	PBC03SAAN	Sullins Connector Solutions	Header, 100mil, 3x1, Gold, TH	PBC03SAAN
L1	1	60 ohm	FBMJ3216HM600-T	Taiyo Yuden	Ferrite Bead, 60 ohm @ 100 MHz, 4 A, 1206	1206
Q1	1	60V	CSD18532Q5B	Texas Instruments	MOSFET, N-CH, 60 V, 172 A, SON 5x6mm	SON 5x6mm
R1	1	3.01k	CRCW06033K01FKEA	Vishay-Dale	RES, 3.01 k, 1%, 0.1 W, 0603	0603
R2	1	1.50k	CRCW06031K50FKEA	Vishay-Dale	RES, 1.50 k, 1%, 0.1 W, 0603	0603
R4, R14, R20, R26	4	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R5	1	4.02k	CRCW06034K02FKEA	Vishay-Dale	RES, 4.02 k, 1%, 0.1 W, 0603	0603
R6	1	3.74	CRCW06033R74FKEA	Vishay-Dale	RES, 3.74, 1%, 0.1 W, 0603	0603
R7	1	806	CRCW0603806RFKEA	Vishay-Dale	RES, 806, 1%, 0.1 W, 0603	0603
R11, R15	2	1.00k	ERJ-3EKF1001V	Panasonic	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R12	1	4.99k	CRCW12064K99FKEA	Vishay-Dale	RES, 4.99 k, 1%, 0.25 W, 1206	1206
R13	1	10.0k	ERJ-8ENF1002V	Panasonic	RES, 10.0 k, 1%, 0.25 W, 1206	1206
R17	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
SH-JP1_2-3, SH-JP3_2-3	2	1x2	382811-6	AMP	Shunt, 100mil, Gold plated, Black	
U2	1		TPS2400DBVR	Texas Instruments	OVERVOLTAGE PROTECTION CONTROLLER, DBV0005A	DBV0005A
U3	1		TPS79901DDCT	Texas Instruments	Single Output High PSRR LDO, 200 mA, Adjustable 1.2 to 6.5 V Output, 2.7 to 6.5 V Input, with Low IQ, 5-pin SOT (DDC), -40 to 85 degC, Green (RoHS & no Sb/Br)	DDC0005A
U4	1		SN74LVC1T45DBVR	Texas Instruments	Single-Bit Dual-Supply Bus Transceiver With Configurable Voltage Translation and 3-State Outputs, DBV0006A	DBV0006A
VR1, VR2	2		3299Y-1-501LF	Bourns	TRIMMER, 500 ohm, 0.5W, TH	9.5x10x6.1mm
5V, VDIG	0	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
C11	0	100pF	CC0402JRNPO9BN101	Yageo America	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
C17	0	0.1uF	GRM155R61E104KA87D	MuRata	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X5R, 0402	0402
CI1	0	Yellow	5014	Keystone	Test Point, Multipurpose, Yellow, TH	Yellow Multipurpose Testpoint
CIB	0	Orange	5013	Keystone	Test Point, Multipurpose, Orange, TH	Orange Multipurpose Testpoint
F1	0		1206SFF200F/63-2	TE Connectivity	Fuse, 2 A, 63 V, SMD	1206
GND	0	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
H1, H2, H3, H4	0		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw

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H5, H6, H7, H8	0		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
J1, J4, J5, J6	0		142-0701-851	Emerson Network Power	Connector, End launch SMA, 50 ohm, SMT	SMA End Launch
LD1	0		1437504-5	TE Connectivity	CONN SOCKET TRANSIST 4POS TO-5	TO-5 (4 PIN)
R3, R10, R19, R27	0	1.00k	ERJ-3EKF1001V	Panasonic	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R8	0	4.02k	CRCW04024K02FKED	Vishay-Dale	RES, 4.02 k, 1%, 0.063 W, 0402	0402
R9	0	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
R16	0	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R18, R21, R22, R23, R24, R25	0		Used in BOM report	Used in BOM report	RES, xxx ohm, x%, xW, [PackageReference]	0603
U1	0		IC-HB	IC Haus	Triple 155Mhz Laser Switch	QFN 4X4(24PIN)
U5	0		SN74LVC1T45DBVR	Texas Instruments	Single-Bit Dual-Supply Bus Transceiver With Configurable Voltage Translation and 3-State Outputs, DBV0006A	DBV0006A

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