

MOUNT	Designator	Comment	Layer	Footprint	Center-X(mil)	Center-Y(mil)	Rotation	Description
YES	B1	DLP11SN201HL2L	TopLayer	PAS_EMI_MRT_DLP11SA350HL2B	1287.008	308.268	90	EMI Filter DLP11SN_L2L Series 200 at 100MHz 110mA 5V
YES	C1	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	2559.055	562.992	270	Ceramic Capacitor (Surface Mount)
YES	C10	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	2285.888	3885.827	270	Ceramic Capacitor (Surface Mount)
YES	C11	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	2078.176	3890.564	270	Ceramic Capacitor (Surface Mount)
YES	C12	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	1381.496	3315.941	180	Ceramic Capacitor (Surface Mount)
YES	C13	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	2137.402	3315.941	180	Ceramic Capacitor (Surface Mount)
YES	C14	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	2118.110	2607.087	360	Ceramic Capacitor (Surface Mount)
YES	C15	0603 1u	TopLayer	CAP_CER_0603L(1608mm)	2118.110	2657.481	360	Ceramic Capacitor (Surface Mount)
YES	C16	0603 470n	BottomLayer	CAP_CER_0603L(1608mm)	371.654	3024.803	180	Ceramic Capacitor (Surface Mount)
YES	C17	0603 470n	BottomLayer	CAP_CER_0603L(1608mm)	242.126	3131.496	270	Ceramic Capacitor (Surface Mount)
YES	C18	0805 47u	BottomLayer	CAP_CER_0805L(2012mm)	175.197	3247.638	90	Ceramic Capacitor (Surface Mount)
YES	C19	0603 3u3	BottomLayer	CAP_CER_0603L(1608mm)	218.504	3334.251	360	Ceramic Capacitor (Surface Mount)
YES	C2	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	2224.410	881.889	180	Ceramic Capacitor (Surface Mount)
YES	C20	0805 4u7 10V	TopLayer	CAP_CER_0805L(2012mm)	1275.295	969.882	360	Ceramic Capacitor (Surface Mount)
YES	C21	0805 4u7 10V	TopLayer	CAP_CER_0805L(2012mm)	1036.713	1084.842	270	Ceramic Capacitor (Surface Mount)
YES	C22	0603 4u7	TopLayer	CAP_CER_0603L(1608mm)	1464.960	1553.543	90	Ceramic Capacitor (Surface Mount)
YES	C23	0402 47p	TopLayer	CAP_CER_0402L(1005mm)	1325.739	247.369	180	Ceramic Capacitor (Surface Mount)
YES	C24	0402 47p	TopLayer	CAP_CER_0402L(1005mm)	1248.339	247.369	360	Ceramic Capacitor (Surface Mount)
YES	C25	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	1070.866	173.228	90	Ceramic Capacitor (Surface Mount)
YES	C26	0603 220n	TopLayer	CAP_CER_0603L(1608mm)	2135.039	1571.260	180	Ceramic Capacitor (Surface Mount)
YES	C27	0603 470n	TopLayer	CAP_CER_0603L(1608mm)	2135.039	1520.079	180	Ceramic Capacitor (Surface Mount)
YES	C28	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	1689.764	1341.338	90	Ceramic Capacitor (Surface Mount)
YES	C29	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	1739.975	1341.339	90	Ceramic Capacitor (Surface Mount)
YES	C3	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	2227.100	291.100	180	Ceramic Capacitor (Surface Mount)
YES	C30	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	1774.803	1953.150	360	Ceramic Capacitor (Surface Mount)
YES	C31	0603 4u7	TopLayer	CAP_CER_0603L(1608mm)	1476.772	1805.118	270	Ceramic Capacitor (Surface Mount)
YES	C32	0603 22p	TopLayer	CAP_CER_0603L(1608mm)	1224.410	1579.134	90	Ceramic Capacitor (Surface Mount)
YES	C33	0603 22p	TopLayer	CAP_CER_0603L(1608mm)	1331.078	1444.725	360	Ceramic Capacitor (Surface Mount)
YES	C34	0603 15p	TopLayer	CAP_CER_0603L(1608mm)	1268.085	1816.969	90	Ceramic Capacitor (Surface Mount)
YES	C35	0603 15p	TopLayer	CAP_CER_0603L(1608mm)	1268.085	1710.473	270	Ceramic Capacitor (Surface Mount)
YES	C36	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	2107.481	1646.063	270	Ceramic Capacitor (Surface Mount)
YES	C37	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	1690.945	1983.858	270	Ceramic Capacitor (Surface Mount)
YES	C38	0603 4u7	BottomLayer	CAP_CER_0603L(1608mm)	2658.267	3656.693	270	Ceramic Capacitor (Surface Mount)
YES	C39	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	385.040	1246.457	270	Ceramic Capacitor (Surface Mount)
YES	C4	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	1925.197	165.354	90	Ceramic Capacitor (Surface Mount)
YES	C40	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	251.969	4253.149	180	Ceramic Capacitor (Surface Mount)
YES	C41	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	193.307	4519.291	180	Ceramic Capacitor (Surface Mount)
YES	C42	0805 47u	BottomLayer	CAP_CER_0805L(2012mm)	372.835	2964.961	180	Ceramic Capacitor (Surface Mount)
YES	C43	0805 47u	BottomLayer	CAP_CER_0805L(2012mm)	175.197	3113.779	270	Ceramic Capacitor (Surface Mount)
YES	C44	0603 470n	BottomLayer	CAP_CER_0603L(1608mm)	240.552	3239.370	90	Ceramic Capacitor (Surface Mount)
YES	C45	0603 1u	TopLayer	CAP_CER_0603L(1608mm)	1350.972	1340.945	90	Ceramic Capacitor (Surface Mount)
YES	C46	0603 100n	BottomLayer	CAP_CER_0603L(1608mm)	511.024	2198.819	90	Ceramic Capacitor (Surface Mount)
YES	C47	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	822.835	350.393	90	Ceramic Capacitor (Surface Mount)
YES	C48	0603 100n	BottomLayer	CAP_CER_0603L(1608mm)	771.654	1175.000	90	Ceramic Capacitor (Surface Mount)
YES	C49	0805 22u 6V3	TopLayer	CAP_CER_0805L(2012mm)	1059.055	689.370	180	Ceramic Capacitor (Surface Mount)
YES	C5	0603 4u7	TopLayer	CAP_CER_0603L(1608mm)	1964.567	645.669	90	Ceramic Capacitor (Surface Mount)
YES	C50	0805 22u 6V3	BottomLayer	CAP_CER_0805L(2012mm)	1232.284	609.449	360	Ceramic Capacitor (Surface Mount)
YES	C51	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	1876.378	1988.976	180	Ceramic Capacitor (Surface Mount)
YES	C52	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	824.803	168.898	90	Ceramic Capacitor (Surface Mount)
YES	C6	0603 100n	TopLayer	CAP_CER_0603L(1608mm)	1964.567	535.433	270	Ceramic Capacitor (Surface Mount)
YES	C7	0402 22p 50V	BottomLayer	CAP_CER_0402L(1005mm)	1208.267	511.024	90	Ceramic Capacitor (Surface Mount)
YES	C8	0805 22u 6V3	TopLayer	CAP_CER_0805L(2012mm)	1250.000	507.087	360	Ceramic Capacitor (Surface Mount)
YES	C9	0805 22u 6V3	TopLayer	CAP_CER_0805L(2012mm)	1059.055	599.606	180	Ceramic Capacitor (Surface Mount)
YES	D1	DFLS130L-7	TopLayer	DIS_DIO_DIO_DFLS130L	1846.457	203.740	270	Diode SCHOTTKY SMD 1A
YES	D2	DFLS130L-7	TopLayer	DIS_DIO_DIO_DFLS130L	1000.000	203.740	270	Diode SCHOTTKY SMD 1A
YES	D3	DFLS130L-7	TopLayer	DIS_DIO_DIO_DFLS130L	2905.315	1575.984	360	Diode SCHOTTKY SMD 1A

YES	D4	DFLS130L-7	TopLayer	DIS_DIO_DIO_DFLS130L	2880.315	924.606	270	Diode SCHOTTKY SMD 1A
YES	D5	DFLS130L-7	TopLayer	DIS_DIO_DIO_DFLS130L	2996.653	3311.811	360	Diode SCHOTTKY SMD 1A
YES	FB1	BLM15PX471SN1D	BottomLayer	RES_0402L(1005mm)	277.953	2963.779	180	Inductor Ferrite Cored (Surface Mount)
YES	FB2	BLM15PX471SN1D	BottomLayer	RES_0402L(1005mm)	116.142	3116.142	90	Inductor Ferrite Cored (Surface Mount)
YES	FB3	BLM15PX471SN1D	BottomLayer	RES_0402L(1005mm)	116.142	3247.638	90	Inductor Ferrite Cored (Surface Mount)
YES	J1	20021121-00010C4LF	TopLayer	CON_DBG_FCI_20021121-00010C4LF	2304.724	1092.518	180	Conn Pin 10p DL 1.27mm SMD
YES	J10	61300211121	TopLayer	CON_MAL_WRT_61300211121	2185.039	3572.047	90	Conn Pin 2p SL 2.54mm TH
YES	J11	61300211121	TopLayer	CON_MAL_WRT_61300211121	2085.039	3572.047	90	Conn Pin 2p SL 2.54mm TH
YES	J12	61300211121	TopLayer	CON_MAL_WRT_61300211121	2285.039	3572.047	90	Conn Pin 2p SL 2.54mm TH
YES	J13	61300211121	TopLayer	CON_MAL_WRT_61300211121	1337.897	3965.748	270	Conn Pin 2p SL 2.54mm TH
YES	J14	61300211121	TopLayer	CON_MAL_WRT_61300211121	1337.897	2929.528	90	Conn Pin 2p SL 2.54mm TH
YES	J15	61300211121	TopLayer	CON_MAL_WRT_61300211121	1437.897	2929.528	90	Conn Pin 2p SL 2.54mm TH
YES	J16	61300211121	TopLayer	CON_MAL_WRT_61300211121	1537.897	2929.528	90	Conn Pin 2p SL 2.54mm TH
YES	J17	61300211121	TopLayer	CON_MAL_WRT_61300211121	2085.039	2929.528	90	Conn Pin 2p SL 2.54mm TH
YES	J18	61300211121	TopLayer	CON_MAL_WRT_61300211121	2185.039	2929.528	90	Conn Pin 2p SL 2.54mm TH
YES	J19	61300211121	TopLayer	CON_MAL_WRT_61300211121	2285.039	2929.528	90	Conn Pin 2p SL 2.54mm TH
YES	J20	61300211121	TopLayer	CON_MAL_WRT_61300211121	2185.039	2241.339	90	Conn Pin 2p SL 2.54mm TH
YES	J21	61300211121	TopLayer	CON_MAL_WRT_61300211121	2285.039	2241.339	90	Conn Pin 2p SL 2.54mm TH
YES	J22	61300211121	TopLayer	CON_MAL_WRT_61300211121	2085.039	2241.339	90	Conn Pin 2p SL 2.54mm TH
YES	J23	61300211121	TopLayer	CON_MAL_WRT_61300211121	865.354	3083.070	180	Conn Pin 2p SL 2.54mm TH
YES	J24	61300211121	TopLayer	CON_MAL_WRT_61300211121	865.355	3183.070	180	Conn Pin 2p SL 2.54mm TH
YES	J25	61300211121	TopLayer	CON_MAL_WRT_61300211121	865.355	3283.071	180	Conn Pin 2p SL 2.54mm TH
YES	J26	61300211121	TopLayer	CON_MAL_WRT_61300211121	2880.315	1111.024	270	Conn Pin 2p SL 2.54mm TH
YES	J27	61300211121	TopLayer	CON_MAL_WRT_61300211121	1408.759	991.732	90	Conn Pin 2p SL 2.54mm TH
YES	J28	61300211121	TopLayer	CON_MAL_WRT_61300211121	2930.315	753.543	360	Conn Pin 2p SL 2.54mm TH
YES	J29	61300211121	TopLayer	CON_MAL_WRT_61300211121	2880.315	1349.606	90	Conn Pin 2p SL 2.54mm TH
YES	J3	ZX62-B-5PA(33)	TopLayer	CON_USB_HRS_ZX62-B-5PA(33)	2165.354	124.508	360	Conn Micro USB SMT Type B
YES	J30	61300211121	TopLayer	CON_MAL_WRT_61300211121	2420.276	1525.000	90	Conn Pin 2p SL 2.54mm TH
YES	J31	61300211121	TopLayer	CON_MAL_WRT_61300211121	1658.100	596.851	270	Conn Pin 2p SL 2.54mm TH
YES	J32	61300421121	TopLayer	CON_MAL_WRT_61300421121	1717.717	1085.433	360	Conn Pin 4p DL-RA 2.54mm TH
YES	J33	61303421021	TopLayer	CON_MAL_WRT_612034235121	175.984	1424.409	90	Conn Pin 34p DL-RA 2.54mm TH
YES	J34	61300211121	TopLayer	CON_MAL_WRT_61300211121	925.197	4251.968	90	Conn Pin 2p SL 2.54mm TH
YES	J35	61300311121	TopLayer	CON_MAL_WRT_61300311121	825.197	4301.968	90	Conn Pin 3p SL 2.54mm TH
YES	J36	61300211121	TopLayer	CON_MAL_WRT_61300211121	875.197	3926.377	180	Conn Pin 2p SL 2.54mm TH
YES	J37	61300211121	TopLayer	CON_MAL_WRT_61300211121	875.196	4026.379	180	Conn Pin 2p SL 2.54mm TH
YES	J38	61300211121	TopLayer	CON_MAL_WRT_61300211121	2202.362	1344.094	180	Conn Pin 2p SL 2.54mm TH
YES	J39	61300411121	TopLayer	CON_MAL_WRT_61300411121	484.842	1703.543	90	Conn Pin 4p SL 2.54mm TH
NO	J4	61301011821	TopLayer	CON_FEM_WRT_61301011821	835.236	975.000	90	Conn Socket 10p SL 2.54mm TH
YES	J40	61300411121	TopLayer	CON_MAL_WRT_61300411121	658.071	1703.543	90	Conn Pin 4p SL 2.54mm TH
YES	J41	613012243121	TopLayer	CON_FEM_WRT_613012243121	2785.236	3858.268	90	PMOD HOST Conn Socket 12p DL-RA 2.54mm TH
YES	J42	61300311121	TopLayer	CON_MAL_WRT_61300311121	2763.780	3438.189	180	Conn Pin 3p SL 2.54mm TH
YES	J43	61301221021	TopLayer	CON_MAL_WRT_61301221021	2948.425	2887.795	90	PMOD PERIPHERAL Conn Pin 12p DL-RA 2.54mm TH
YES	J44	61300311121	TopLayer	CON_MAL_WRT_61300311121	2764.173	3311.811	180	Conn Pin 3p SL 2.54mm TH
NO	J5	61300811821	TopLayer	CON_FEM_WRT_61300811821	2735.236	1225.000	90	Conn Socket 8p SL 2.54mm TH
NO	J6	61300811821	TopLayer	CON_FEM_WRT_61300811821	835.236	1925.000	90	Conn Socket 8p SL 2.54mm TH
NO	J7	61300611821	TopLayer	CON_FEM_WRT_61300611821	2735.236	2025.000	90	Conn Socket 6p SL 2.54mm TH
YES	J8	ZX62-B-5PA(33)	TopLayer	CON_USB_HRS_ZX62-B-5PA(33)	1299.213	124.508	360	Conn Micro USB SMT Type B
YES	J9	61300211121	TopLayer	CON_MAL_WRT_61300211121	1406.693	625.984	90	Conn Pin 2p SL 2.54mm TH
YES	L1	74437324022	TopLayer	PAS_IND_WRT_74437324022	1240.158	652.756	360	Power Inductor
YES	L2	74437324022	TopLayer	PAS_IND_WRT_74437324022	1095.767	927.559	360	Power Inductor
YES	LED_TOF	SFH4550	TopLayer	OPT_LED_OSR_SFH4550	381.890	2821.260	270	Led Diode TH 5mm SFH4550
YES	LED0	Led Diode SMD Blue	TopLayer	OPT_LED_0603_BLUE	416.142	863.386	270	Led Diode SMD Blue
YES	LED1	Led Diode SMD Blue	TopLayer	OPT_LED_0603_BLUE	506.037	863.386	270	Led Diode SMD Blue
YES	LED2	Led Diode SMD Blue	TopLayer	OPT_LED_0603_BLUE	595.932	863.386	270	Led Diode SMD Blue
YES	LED3	Led Diode SMD Blue	TopLayer	OPT_LED_0603_BLUE	685.827	863.386	270	Led Diode SMD Blue
YES	LED4	Led Diode SMD Blue	TopLayer	OPT_LED_0603_BLUE	416.142	682.283	270	Led Diode SMD Blue
YES	LED5	Led Diode SMD Blue	TopLayer	OPT_LED_0603_BLUE	507.349	679.921	270	Led Diode SMD Blue

YES	LED6	Led Diode SMD Blue	TopLayer	OPT_LED_0603_BLUE	596.588	679.921	270	Led Diode SMD Blue
YES	LED7	Led Diode SMD Blue	TopLayer	OPT_LED_0603_BLUE	685.827	679.921	270	Led Diode SMD Blue
YES	LED8	Led Diode SMD Green	TopLayer	OPT_LED_0603_GREEN	2503.937	216.929	270	Led Diode SMD Green
YES	PHD_TOF	SFH213FA	TopLayer	OPT_PHD_OSR_SF213FA	380.337	3516.929	180	Photo Diode TH 5mm SFH213FA
YES	R1	0603 4k7	TopLayer	RES_0603L(1608mm)	2330.709	291.100	0	Resistor (Surface Mount)
YES	R10	0603 30k	TopLayer	RES_0603L(1608mm)	1913.386	350.394	90	Resistor (Surface Mount)
YES	R100	0402 0R0	TopLayer	RES_0402L(1005mm)	1858.661	2030.709	360	Resistor (Surface Mount)
YES	R101	0402 0R0	TopLayer	RES_0402L(1005mm)	1629.528	2024.720	180	Resistor (Surface Mount)
YES	R102	0402 0R0	TopLayer	RES_0402L(1005mm)	1937.402	2030.709	360	Resistor (Surface Mount)
YES	R103	0603 0R0	TopLayer	RES_0603L(1608mm)	483.465	1968.504	180	Resistor (Surface Mount)
YES	R11	0603 30k	TopLayer	RES_0603L(1608mm)	1964.567	350.394	90	Resistor (Surface Mount)
YES	R12	0603 30k	TopLayer	RES_0603L(1608mm)	2015.748	350.394	90	Resistor (Surface Mount)
YES	R13	0402 0R0	TopLayer	RES_0402L(1005mm)	1011.811	512.402	180	Resistor (Surface Mount)
YES	R14	0402 450k	BottomLayer	RES_0402L(1005mm)	1244.094	511.024	90	Resistor (Surface Mount)
YES	R15	0402 0R0	TopLayer	RES_0402L(1005mm)	2171.260	1673.228	180	Resistor (Surface Mount)
YES	R16	0402 100k	BottomLayer	RES_0402L(1005mm)	1149.606	514.961	270	Resistor (Surface Mount)
YES	R17	0402 0R0	TopLayer	RES_0402L(1005mm)	1802.756	2006.693	90	Resistor (Surface Mount)
YES	R18	0603 10k	TopLayer	RES_0603L(1608mm)	1488.583	4015.748	270	Resistor (Surface Mount)
YES	R19	0603 10k	TopLayer	RES_0603L(1608mm)	1551.575	4015.748	270	Resistor (Surface Mount)
YES	R2	0603 470R	TopLayer	RES_0603L(1608mm)	2503.937	350.787	270	Resistor (Surface Mount)
YES	R20	0603 499k	TopLayer	RES_0603N(1608mm)	2082.677	2511.811	270	Resistor (Surface Mount)
YES	R21	0603 10k	BottomLayer	RES_0603L(1608mm)	606.299	3196.850	360	Resistor (Surface Mount)
YES	R22	0603 10k	BottomLayer	RES_0603L(1608mm)	606.299	3000.787	360	Resistor (Surface Mount)
YES	R23	0603 10k	BottomLayer	RES_0603L(1608mm)	496.850	3320.079	360	Resistor (Surface Mount)
YES	R24	0603 523k	TopLayer	RES_0603N(1608mm)	1261.122	1145.079	270	Resistor (Surface Mount)
YES	R25	0603 100k	TopLayer	RES_0603N(1608mm)	1162.697	1176.575	360	Resistor (Surface Mount)
YES	R26	0805 0R0	TopLayer	RES_0805L(2012mm)	1092.520	263.779	180	Resistor (Surface Mount)
YES	R27	0603 10k	TopLayer	RES_0603L(1608mm)	1867.323	1342.520	360	Resistor (Surface Mount)
YES	R28	0603 0R0	BottomLayer	RES_0603L(1608mm)	2620.472	3987.716	180	Resistor (Surface Mount)
YES	R29	0603 0R0	BottomLayer	RES_0603L(1608mm)	2620.472	3867.559	180	Resistor (Surface Mount)
YES	R3	0603 0R0	TopLayer	RES_0603L(1608mm)	2409.449	881.890	180	Resistor (Surface Mount)
YES	R30	0603 0R0	BottomLayer	RES_0603L(1608mm)	2620.472	4107.874	180	Resistor (Surface Mount)
YES	R31	0603 0R0	BottomLayer	RES_0603L(1608mm)	2651.575	2640.213	180	Resistor (Surface Mount)
YES	R32	0603 0R0	BottomLayer	RES_0603L(1608mm)	2795.276	2592.520	360	Resistor (Surface Mount)
NO	R33	0603 0R0	BottomLayer	RES_0603L(1608mm)	2651.575	2762.992	180	Resistor (Surface Mount)
YES	R34	0603 0R0	BottomLayer	RES_0603L(1608mm)	2795.276	2693.419	360	Resistor (Surface Mount)
NO	R35	0603 0R0	BottomLayer	RES_0603L(1608mm)	2651.575	2868.110	180	Resistor (Surface Mount)
YES	R36	0603 0R0	BottomLayer	RES_0603L(1608mm)	2795.276	2794.319	360	Resistor (Surface Mount)
YES	R37	0603 0R0	BottomLayer	RES_0603L(1608mm)	2651.575	2944.881	180	Resistor (Surface Mount)
YES	R38	0603 0R0	BottomLayer	RES_0603L(1608mm)	2795.276	2895.219	360	Resistor (Surface Mount)
NO	R39	0603 DNP	TopLayer	RES_0603L(1608mm)	384.646	1153.149	270	Resistor (Surface Mount)
YES	R4	0603 0R0	TopLayer	RES_0603L(1608mm)	2515.748	881.889	180	Resistor (Surface Mount)
YES	R40	0603 10k	TopLayer	RES_0603L(1608mm)	1565.354	1076.378	270	Resistor (Surface Mount)
YES	R41	0603 1k50	TopLayer	RES_0603L(1608mm)	1772.047	943.701	180	Resistor (Surface Mount)
YES	R42	0603 10k	TopLayer	RES_0603L(1608mm)	767.716	169.291	270	Resistor (Surface Mount)
NO	R43	0603 DNP	TopLayer	RES_0603L(1608mm)	1507.874	3088.189	360	Resistor (Surface Mount)
NO	R44	0603 DNP	BottomLayer	RES_0603L(1608mm)	606.299	3245.866	360	Resistor (Surface Mount)
NO	R45	0603 DNP	BottomLayer	RES_0603L(1608mm)	606.299	3049.803	360	Resistor (Surface Mount)
YES	R46	0603 2k2	TopLayer	RES_0603L(1608mm)	2132.607	3712.598	180	Resistor (Surface Mount)
YES	R47	0603 2k2	TopLayer	RES_0603L(1608mm)	2245.344	3712.598	360	Resistor (Surface Mount)
NO	R48	0603 DNP	TopLayer	RES_0603L(1608mm)	1389.764	3088.189	180	Resistor (Surface Mount)
NO	R49	0603 DNP	TopLayer	RES_0603L(1608mm)	2263.780	3088.189	360	Resistor (Surface Mount)
YES	R5	0603 150R	TopLayer	RES_0603L(1608mm)	2515.748	830.709	360	Resistor (Surface Mount)
NO	R50	0603 DNP	TopLayer	RES_0603L(1608mm)	2145.669	3088.189	180	Resistor (Surface Mount)
YES	R51	0603 10k	TopLayer	RES_0603L(1608mm)	2330.709	2498.957	360	Resistor (Surface Mount)
YES	R52	0603 10k	TopLayer	RES_0603L(1608mm)	2330.709	2553.032	360	Resistor (Surface Mount)
YES	R53	0603 10k	TopLayer	RES_0603L(1608mm)	2330.709	2444.882	360	Resistor (Surface Mount)

NO	R54	0603 DNP	TopLayer	RES_0603L(1608mm)	643.307	4055.905	90	Resistor (Surface Mount)
NO	R55	0603 DNP	TopLayer	RES_0603L(1608mm)	587.795	4055.906	90	Resistor (Surface Mount)
YES	R56	0603 10k	TopLayer	RES_0603L(1608mm)	409.449	4304.331	270	Resistor (Surface Mount)
YES	R57	0603 10k	BottomLayer	RES_0603L(1608mm)	606.300	3294.881	180	Resistor (Surface Mount)
YES	R58	0603 10k	BottomLayer	RES_0603L(1608mm)	606.299	2902.756	180	Resistor (Surface Mount)
YES	R59	0603 10k	BottomLayer	RES_0603L(1608mm)	606.299	2951.772	180	Resistor (Surface Mount)
YES	R6	0603 0R0	TopLayer	RES_0603L(1608mm)	2094.488	932.284	0	Resistor (Surface Mount)
YES	R60	0603 10k	BottomLayer	RES_0603L(1608mm)	606.300	3147.834	180	Resistor (Surface Mount)
YES	R61	0603 10k	BottomLayer	RES_0603L(1608mm)	606.300	3098.819	180	Resistor (Surface Mount)
YES	R62	0603 4k7	TopLayer	RES_0603L(1608mm)	1224.409	2240.157	90	Resistor (Surface Mount)
YES	R63	0603 4k7	TopLayer	RES_0603L(1608mm)	1280.652	2240.157	90	Resistor (Surface Mount)
YES	R64	0603 4k7	TopLayer	RES_0603L(1608mm)	1336.895	2240.157	90	Resistor (Surface Mount)
YES	R65	0603 4k7	TopLayer	RES_0603L(1608mm)	1393.138	2240.157	90	Resistor (Surface Mount)
YES	R66	0603 4k7	TopLayer	RES_0603L(1608mm)	1449.381	2240.157	90	Resistor (Surface Mount)
YES	R67	0603 4k7	TopLayer	RES_0603L(1608mm)	1505.624	2240.157	90	Resistor (Surface Mount)
YES	R68	0603 4k7	TopLayer	RES_0603L(1608mm)	1561.867	2240.157	90	Resistor (Surface Mount)
YES	R69	0603 4k7	TopLayer	RES_0603L(1608mm)	1618.110	2240.157	90	Resistor (Surface Mount)
YES	R7	0603 150R	TopLayer	RES_0603L(1608mm)	2094.488	881.890	180	Resistor (Surface Mount)
YES	R70	0603 15k	TopLayer	RES_0603L(1608mm)	1402.337	1340.945	90	Resistor (Surface Mount)
YES	R71	0603 30k	TopLayer	RES_0603L(1608mm)	1299.606	1340.945	270	Resistor (Surface Mount)
YES	R72	0603 0R0	BottomLayer	RES_0603L(1608mm)	2959.842	4108.268	180	Resistor (Surface Mount)
NO	R73	0603 0R0	BottomLayer	RES_0603L(1608mm)	2620.472	4047.795	180	Resistor (Surface Mount)
YES	R74	0603 0R0	BottomLayer	RES_0603L(1608mm)	2959.842	4008.268	180	Resistor (Surface Mount)
NO	R75	0603 0R0	BottomLayer	RES_0603L(1608mm)	2620.472	3927.638	180	Resistor (Surface Mount)
NO	R76	0603 DNP	BottomLayer	RES_0603L(1608mm)	511.024	2094.882	90	Resistor (Surface Mount)
YES	R77	0603 2k2	BottomLayer	RES_0603L(1608mm)	457.480	753.149	270	Resistor (Surface Mount)
YES	R78	0603 2k2	BottomLayer	RES_0603L(1608mm)	547.375	753.149	270	Resistor (Surface Mount)
YES	R79	0603 10k	TopLayer	RES_0603L(1608mm)	767.716	350.394	270	Resistor (Surface Mount)
YES	R8	0805 0R0	TopLayer	RES_0805L(2012mm)	1952.756	259.842	180	Resistor (Surface Mount)
YES	R80	0603 2k2	BottomLayer	RES_0603L(1608mm)	637.270	753.149	270	Resistor (Surface Mount)
YES	R81	0603 2k2	BottomLayer	RES_0603L(1608mm)	727.165	753.149	270	Resistor (Surface Mount)
YES	R82	0603 2k2	BottomLayer	RES_0603L(1608mm)	456.299	572.047	270	Resistor (Surface Mount)
YES	R83	0603 2k2	BottomLayer	RES_0603L(1608mm)	546.194	572.047	270	Resistor (Surface Mount)
YES	R84	0603 2k2	BottomLayer	RES_0603L(1608mm)	636.089	572.047	270	Resistor (Surface Mount)
NO	R85	0603 DNP	BottomLayer	RES_0603L(1608mm)	725.591	976.771	360	Resistor (Surface Mount)
YES	R86	0603 2k2	BottomLayer	RES_0603L(1608mm)	725.984	572.047	270	Resistor (Surface Mount)
YES	R87	0402 0R0	TopLayer	RES_0402L(1005mm)	1747.244	2006.693	90	Resistor (Surface Mount)
YES	R88	0603 0R0	TopLayer	RES_0603L(1608mm)	953.150	2145.276	180	Resistor (Surface Mount)
YES	R89	0603 0R0	TopLayer	RES_0603L(1608mm)	951.968	2202.756	360	Resistor (Surface Mount)
YES	R9	0402 0R0	TopLayer	RES_0402L(1005mm)	2172.441	1616.929	180	Resistor (Surface Mount)
NO	R90	0603 DNP	TopLayer	RES_0603L(1608mm)	1744.094	4174.015	90	Resistor (Surface Mount)
NO	R91	0603 DNP	TopLayer	RES_0603L(1608mm)	1688.976	4174.016	270	Resistor (Surface Mount)
YES	R92	0603 4k7	TopLayer	RES_0603L(1608mm)	1037.401	1599.606	90	Resistor (Surface Mount)
YES	R93	0603 4k7	TopLayer	RES_0603L(1608mm)	1091.339	1599.606	90	Resistor (Surface Mount)
YES	R94	0603 0R0	BottomLayer	RES_0603L(1608mm)	2959.842	3908.268	180	Resistor (Surface Mount)
YES	R95	0603 0R0	BottomLayer	RES_0603L(1608mm)	2620.472	3807.480	180	Resistor (Surface Mount)
YES	R96	0603 0R0	BottomLayer	RES_0603L(1608mm)	2959.842	3808.268	180	Resistor (Surface Mount)
YES	R97	0603 0R0	BottomLayer	RES_0603L(1608mm)	2651.575	2711.417	180	Resistor (Surface Mount)
YES	R98	0603 0R0	BottomLayer	RES_0603L(1608mm)	2651.575	2816.535	180	Resistor (Surface Mount)
YES	R99	0402 0R0	TopLayer	RES_0402L(1005mm)	1629.528	1986.992	360	Resistor (Surface Mount)
YES	S1	416131160808	TopLayer	EMC_SWI_WRT_416131160808	1421.260	2496.063	0	Switch Dip Flat Actuator, pitch 1.27mm, 8p
YES	SW1	434121025816	TopLayer	EMC_BUT_WRT_434121025816	566.929	472.441	180	Switch Tact SMD 6.0X3.8 mm
YES	SW2	434121025816	TopLayer	EMC_BUT_WRT_434121025816	566.929	196.850	180	Switch Tact SMD 6.0X3.8 mm
YES	U1	R7FS124773A01CFM	TopLayer	IC_MIC_REN_64LQFP	2263.780	586.614	360	IC MCU 32bit 128KB-Flash 16kB-RAM 64LQFP 32MHz
YES	U10	ISL33003	TopLayer	IC_DIG_I2C_ISL_ISL3303	1515.748	4155.119	180	IC Translator I2C
YES	U11	ZMOD4510	TopLayer	IC_SEN_AIR_IDT_ZMOD4410A1V	2188.977	3214.173	0	IC Sensor Air Quality TVOC IAQ
YES	U12	ISL9113A	TopLayer	IC_POW_SDR_RNS_ISL9113A	1167.027	1084.842	180	IC Regulator Boost 1.3A

YES	U13	MCP23017	TopLayer	IC_DIG_IOX_MIC_MCP23017	590.158	1225.000	0	IC DIG I/O Expander I2C 16-bit
YES	U14	MCP23017	TopLayer	IC_DIG_IOX_MIC_MCP23017	570.866	2236.220	0	IC DIG I/O Expander I2C 16-bit
YES	U15	MCP23017	BottomLayer	IC_DIG_IOX_MIC_MCP23017	561.220	1225.000	180	IC DIG I/O Expander I2C 16-bit
YES	U2	R7FA2A1AB3CFM	TopLayer	IC_MIC_REN_64LQFP	1768.898	1661.811	0	IC MCU 32bit 256KB-Flash 32kB-RAM 64LQFP 48MHz
YES	U3	FS2012	TopLayer	CON_FEM_WRT_61300611821	1574.803	4311.024	0	IC Sensor Module Flow
YES	U4	ZMOD4410AI1V	TopLayer	IC_SEN_AIR_IDT_ZMOD4410AI1V	1433.465	3214.173	0	IC Sensor Air Quality TVOC IAQ
YES	U5	ISL29501	BottomLayer	IC_SEN_TOF_IDT_ISL29501	392.520	3168.898	180	IC Time of Flight (ToF) Signal Processing
YES	U6	HS3001	TopLayer	IC_SEN_ENV_IDT_HS3001	2188.976	3885.827	90	IC Sensor Humidity
YES	U7	OB1203	TopLayer	IC_SEN_RGB_IDT_OB1203	232.283	4366.338	270	IC Sensor Digital RGB / IR / Proximity / Pulse Oximeter / Heart-Rate
YES	U8	ISL29033	TopLayer	IC_SEN_LIG_IDT_ISL29033	2188.977	2527.559	0	IC Sensor Light
YES	U9	ISL80015A	TopLayer	IC_POW_SDR_RNS_ISL80020	1110.236	509.055	360	IC Regulator Synchronous Buck 2A
YES	Y1	ABM8-12M-B2-T	TopLayer	PAS_XTL_ABR_ABM8-12.000MHZ-B2-T	1331.077	1554.961	360	Oscillator 12 MHz ABM8
YES	Y2	ABS07-32.768KHZ-T	TopLayer	PAS_XTL_ABR_ABS07-32.768KHZ-T	1350.762	1765.591	270	Oscillator 32KHz 12.5pF ABS07