BOM for LAUNCHXL-CC1310
(LaunchPad Compatible with TIDC-01004)

Part Number	Quantity	Part Reference	Value	Description	Vendor	Vendor Part Number	PCB Package	Max Oper Temp	RoHS Status
DNM	0	A1	DNM	DNM	DNM	DNM		DNM	DNM
02-07610	19	C3 C4 C5 C7 C9 C16 C20 C30 C32 C38 C39 C43 C46 C52 C53 C54 C55 C56 C57	100nF	CAPACITOR, CERAMIC X7R, 100nF, 6.3V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM155R70J104KA01D	0402	+125DEGC	ROHS_COMPLIANT
02-07053	2	C6 C8	22uF	CAPACITOR, CERAMIC, X5R, 22uF, 6.3V, -20%/+20%, -55DEGC/+85DEGC, 0603, SMD	MURATA	GRM188R60J226MEA0D	0603	+85DEGC	ROHS_COMPLIANT
02-07631	2	C11 C22	3.6pF	CAPACITOR, CERAMIC C0G/NP0, 3.6pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM1555C1H3R6CA01D	0402	+125DEGC	ROHS_COMPLIANT
02-07628	1	C12	2.7pF	CAPACITOR, CERAMIC C0G/NP0, 2.7pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM1555C1H2R7CA01D	0402	+125DEGC	ROHS_COMPLIANT
02-07626	1	C13	6.2pF	CAPACITOR, CERAMIC C0G/NP0, 6.2pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM1555C1H6R2CA01D	0402	+125DEGC	ROHS_COMPLIANT
02-07625	1	C14	3pF	CAPACITOR, CERAMIC C0G/NP0, 3pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM1555C1H3R0CA01D	0402	+125DEGC	ROHS_COMPLIANT
02-07619	2	C15 C21	100pF	CAPACITOR, CERAMIC C0G/NP0, 100pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM1555C1H101JA01D	0402	+125DEGC	ROHS_COMPLIANT
02-07617	4	C17 C18 C33 C34	12pF	CAPACITOR, CERAMIC C0G/NP0, 12pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM1555C1H120JA01D	0402	+125DEGC	ROHS_COMPLIANT
02-07611	4	C19 C40 C42 C44	1uF	CAPACITOR, CERAMIC X5R, 1uF, 10V, -10%/+10%, -55DEGC/+85DEGC, 0402, SMD	MURATA	GRM155R61A105KE15D	0402	+85DEGC	ROHS_COMPLIANT
DNM	0	C24 C58	DNM	DNM	DNM	DNM	DNM	DNM	DNM
02-07615	5	C35 C36 C37 C41 C50	10nF	CAPACITOR, CERAMIC X7R, 10nF, 25V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	MANUFACTURER SELECTION	CAPACITOR_0402_10nF_X7R_M_+/-10%_25V	0402	+125DEGC	ROHS_COMPLIANT
02-07624	3	C45 C48 C49	2.2uF	CAPACITOR, CERAMIC X5R, 2.2uF, 6.3V, -10%/+10%, -55DEGC/+85DEGC, 0402, SMD	MURATA	GRM155R60J225KE95D	0402	+85DEGC	ROHS_COMPLIANT
02-07613	1	C47	15pF	CAPACITOR, CERAMIC C0G/NP0, 15pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	MANUFACTURER SELECTION	CAPACITOR_0402_15pF_C0G/NP0_M_+/-5%_50V	0402	+125DEGC	ROHS_COMPLIANT
02-07614	1	C59	100nF	CAPACITOR, CERAMIC X7R, 100nF, 10V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	MANUFACTURER SELECTION	CAPACITOR_0402_100nF_X7R_M_+/-10%_10V	0402	+125DEGC	ROHS_COMPLIANT
15-01023	2	CR1 CR5	LPL296-J2L2-25	OPTO, LED, GREEN COLOR, 562nm, 0.02A, 0.08W, 0603, SMD	OSRAM	LP L296-J2L2-25	0603	+100DEGC	ROHS_COMPLIANT
15-01169	2	CR2 CR4	LS L296-P2Q2-1	OPTO, LED, SUPER RED COLOR, 630nm, 1.8V TO 2.3V, 0.06A, 0603, SMD	OSRAM	LS L296-P2Q2-1	0603	+100DEGC	ROHS_COMPLIANT
14-06172	1	CR6	TPD4E004DRY	DIODE, PROTECTION, ESD ARRAY, 4 CHANNEL, 6V TO 8V, -40DEGC/+85DEGC, SON6, SMD	TEXAS INSTRUMENTS	TPD4E004DRYR	SON6	+85DEGC	ROHS_COMPLIANT
14-05493	2	CR7 CR8	TPD6E004RSER	DIODE, PROTECTION, ESD, 7V, -40DEGC/+85DEGC, QFN8, SMD	TEXAS INSTRUMENTS	TPD6E004RSER	QFN8	+85DEGC	ROHS_COMPLIANT
DNM	0	FIDU1 FIDU2 FIDU3 FIDU4 FIDU5 FIDU6	DNM	DNM					
04-00470	1	FL1	BLM18HE152SN1	FILTER, EMI, 1500@100MHz, -55DEGC/+125DEGC, 0603, SMD	MURATA	BLM18HE152SN1D	0603	+125DEGC	ROHS_COMPLIANT
06-04997	2	J1 J2	SSQ-110-23-L-D	CONNECTOR, HEADER, FEMALE, STRAIGHT, 2 ROWS, 20 ROWS, 2.54mm, PTH	SAMTEC	SSQ-110-23-L-D		+125DEGC	ROHS_COMPLIANT
06-04998	1	J6	105164-0001	CONNECTOR, USB, FEMALE, RIGHT ANGLE, 1 ROW, 5 PINS, PITCH 0.65mm, SMD	MOLEX	105164-0001		+85DEGC	ROHS_COMPLIANT
03-07266	1	L1	6.8uH	INDUCTOR, STANDARD, CHIP, FERRITE CORE, SHIELDED, 6.8uH, -20%/+20%, 1.1A, -55DEGC/+125DEGC, 0805, SMD	TDK	MLZ2012N6R8LT000	0805	+125DEGC	ROHS_COMPLIANT
03-07533	2	L12 L23	7.5nH	INDUCTOR, RF, CHIP, NON-MAGNETIC CORE, 7.5nH, -5%/+5%, 0.3A, -55DEGC/+125DEGC, 0402, SMD	MURATA	LQG15HS7N5J02D	0402	+125DEGC	ROHS_COMPLIANT
03-07532	2	L13 L14	6.8nH	INDUCTOR, RF, CHIP, NON-MAGNETIC CORE, 6.8nH, -5%/+5%, 0.3A, -55DEGC/+125DEGC, 0402, SMD	MURATA	LQG15HS6N8J02D	0402	+125DEGC	ROHS_COMPLIANT
03-07528	1	L22	27nH	INDUCTOR, RF, CHIP, NON-MAGNETIC CORE, 27nH, -5%/+5%, 0.3A, -55DEGC/+125DEGC, 0402, SMD	MURATA	LQG15HS27NJ02D	0402	+125DEGC	ROHS_COMPLIANT
19-00498	14	M1 M2 M3 M4 M5 M6 M7 M8 M9 M10 M11 M12 M13 M14	SNT-100-BK-G	MECHANIC, SHUNT, CURRENT RATING 4.3A PER PIN, 2.54 X 5.08 X 6.1mm, BLACK	SAMTEC	SNT-100-BK-G		+125DEGC	ROHS_COMPLIANT
DNM	0	MH1 MH2	DNM	DNM					
DNM	0	MH3 MH4	DNM	DNM					
DNM	0	MH5	DNM	DNM					
06-05038	3	P1 P2 P10	BB02-HC031-KB1-603000	CONNECTOR, HEADER, MALE, STRAIGHT, 1 ROW, 3 PINS, PITCH 2.54mm, PTH	GRADCONN	BB02-HC031-KB1-603000		+105DEGC	ROHS_COMPLIANT
06-05049	1	P4	BB02-HJ221-KB1-603000	CONNECTOR, HEADER, MALE, STRAIGHT, 2 ROWS, 22 PINS, PITCH 2.54mm, PTH	GRADCONN	BB02-HJ221-KB1-603000		+105DEGC	ROHS_COMPLIANT
06-00166	2	P5 P7	FTSH-105-01-F-DV-K	CONNECTOR, HEADER, MALE, STRAIGHT, 10 PINS, 2 ROWS, PITCH 1.27mm, SMD	SAMTEC	FTSH-105-01-F-DV-K		+125DEGC	ROHS_COMPLIANT
06-04999	1	P6	BB02-HJ041-KB1-603000	CONNECTOR, HEADER, MALE, STRAIGHT, 2 ROWS, 4 PINS, PITCH 2.54mm, PTH	GRADCONN	BB02-HJ041-KB1-603000		+105DEGC	ROHS_COMPLIANT
DNM	0	P8	DNM	DNM					
06-05051	1	P11	MM5829-2700	CONNECTOR, COAX, MALE, UP TO 12GHz, 30V, SMD	MURATA	MM5829-2700RJ4		+85DEGC	ROHS_COMPLIANT
01-22356	5	R1 R61 R62 R63 R65	100k	RESISTOR, THICK FILM, 100k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_100k_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22351	3	R2 R3 R58	3.3k	RESISTOR, THICK FILM, 3.3k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_3.3k_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22350	1	R11	2.2k	RESISTOR, THICK FILM, 2.2k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_2.2k_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
02-01199	1	R12	1.8pF	CAPACITOR, CERAMIC C0G/NP0, 1.8pF, 50V, -0.1pF/+0.1pF, -55DEGC/+125DEGC, 0402, SMD	MURATA	GJM1555C1H1R8BB01D	0402	+125DEGC	ROHS_COMPLIANT
DNM	0	R13	DNM	DNM	DNM	DNM	DNM	DNM	DNM
01-22346	2	R14 R25	220	RESISTOR, THICK FILM, 220, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_220_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22345	2	R15 R23	180	RESISTOR, THICK FILM, 180, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_180_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22353	1	R17	10k	RESISTOR, THICK FILM, 10k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_10k_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22352	1	R18	4.7k	RESISTOR, THICK FILM, 4.7k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_4.7k_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
DNM	0	R19 R21 R59 R60	DNM	DNM	DNM	DNM	DNM	DNM	DNM
01-22357	1	R20	100	RESISTOR, THICK FILM, 100, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_100_+/-1%_50V_0.063W_M_+/-100ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22362	1	R22	330k	RESISTOR, THICK FILM, 330k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_330k_+/-1%_50V_0.063W_M_+/-100ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22361	1	R24	220k	RESISTOR, THICK FILM, 220k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_220k_+/-1%_50V_0.063W_M_+/-100ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22349	4	R27 R29 R30 R39	1k	RESISTOR, THICK FILM, 1k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_1k_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22358	1	R28	4.87k	RESISTOR, THICK FILM, 4.87k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_4.87k_+/-1%_50V_0.063W_M_+/-100ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22342	1	R31	51	RESISTOR, THICK FILM, 51, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_51_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22359	1	R32	33k	RESISTOR, THICK FILM, 33k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_33k_+/-1%_50V_0.063W_M_+/-100ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22355	1	R33	51k	RESISTOR, THICK FILM, 51k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_51k_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22354	1	R34	30k	RESISTOR, THICK FILM, 30k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_30k_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
DNM	0	R46 R47 R48 R49 R51	DNM	DNM	DNM	DNM	DNM	DNM	DNM
01-11757	1	R52	0	RESISTOR, THICK FILM, 0, 0.1W, 75V, -55DEGC/+155DEGC, 0603, SMD	MANUFACTURER SELECTION	RESISTOR_0603_0_+/-5%_75V_0.1W_M_+/-200ppm	0603	+155DEGC	ROHS_COMPLIANT
01-22343	4	R55 R56 R57 R66	100	RESISTOR, THICK FILM, 100, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_100_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
08-00293	3	SW1 SW2 SW3	1188E-1K2-V	SWITCH, TACT, 0.05A@250VAC, 0.05A@12VDC, 0.05A, 250V, SMD	DIPTRONICS	1188E-1K2-V-TR		+70DEGC	ROHS_COMPLIANT
18-32855	1	U1	CC1310F128RGZT	IC, MICROCONTROLLER, 128kB, 1.8V TO 3.8V, VQFN48-EP, SMD	TEXAS INSTRUMENTS	CC1310F128RGZT	VQFN48-EP	+85DEGC	ROHS_COMPLIANT
18-31726	1	U4	MX25R8035FZUIL0	IC, MEMORY, FLASH, SERIAL, 8Mbit, 1.65V TO 3.6V, USON8, SMD	MACRONIX	MX25R8035FZUIL0	USON8	+85DEGC	ROHS_COMPLIANT
18-29511	1	U5	TM4C1294NCPDTT3R	IC, MICROPROCESSOR, TIVA C SERIES MICROCONTROLLER, ARM CRTEX-M4, 2.97V TO 3.63V, TQFP128, SMD	TEXAS INSTRUMENTS	TM4C1294NCPDTT3R	TQFP128	+85DEGC	ROHS_COMPLIANT
18-29558	1	U6	LM4040B25IDCK	IC, ANALOG, PRECISION MICROPOWER SHUNT VOLTAGE REFERENCE, 2.5V, SC70-5, SMD	TEXAS INSTRUMENTS	LM4040B25IDCKR	SC70-5	+85DEGC	ROHS_COMPLIANT
18-29530	1	U7	TPS79601DR	IC, ANALOG, ULTRALOW-NOISE, HIGH PSRR, FAST, RF, 1A LOW-DROPOUT LINEAR REGULATORS, VIN:2.7V TO 5.5V, VOUT:1.2V TO 5.5V, SON8, SMD	TEXAS INSTRUMENTS	TPS79601DRBR	SON8	+125DEGC	ROHS_COMPLIANT
18-29288	3	U8 U9 U10	SN74AVC4T245RSV	IC, DIGITAL, LOGIC, 4bit DUAL-SUPPLY BUS TRANSCEIVER 3 STATE OUTPUT, 1.2V TO 3.6V, UQFN16, SMD	TEXAS INSTRUMENTS	SN74AVC4T245RSVR	UQFN16	+85DEGC	ROHS_COMPLIANT
12-00546	1	Y1	32.768kHz	CRYSTAL, RESONATOR, 32.768kHz, -20PPM/+20PPM, -40DEGC/+85DEGC, SMD	EPSON	FC-135 32.7680KA-AG0		+85DEGC	ROHS_COMPLIANT
12-00757	1	Y2	24MHz	CRYSTAL, CRYSTAL OSCILLATOR, 24MHz, -15PPM/DEGC/+15PPM/DEGC, -40DEGC/+85DEGC, SMD	EPSON	TSX-3225 24.0000MF15X-AC3		+85DEGC	ROHS_COMPLIANT
12-00745	1	Y3	16MHz	CRYSTAL, OSCILLATOR, 16MHz, -30PPM/DEGC/+30PPM/DEGC, -40DEGC/+85DEGC, SMD	NIHON DEMPA KOGYO	NX3225GA-16.000M-STD-CRG-1		+85DEGC	ROHS_COMPLIANT

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