

TIDA-01547 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference	Comments
1	A1	0	DNM	DNM	DNM	DNM		LAUNCHXL-CC1310
2	C3 C4 C5 C7 C9 C16 C20 C30 C32 C38 C39 C43 C46 C52 C53 C54 C55 C56 C57	19	100nF	GRM155R70J104KA01D	MURATA	CAPACITOR, CERAMIC X7R, 100nF, 6.3V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
3	C6 C8	2	22uF	GRM188R60J226MEA0D	MURATA	CAPACITOR, CERAMIC, X5R, 22uF, 6.3V, -20%/+20%, -55DEGC/+85DEGC, 0603, SMD	0603	LAUNCHXL-CC1310
4	C11 C22	2	3.6pF	GRM1555C1H3R6CA01D	MURATA	CAPACITOR, CERAMIC C0G/NP0, 3.6pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
5	C12	1	2.7pF	GRM1555C1H2R7CA01D	MURATA	CAPACITOR, CERAMIC C0G/NP0, 2.7pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
6	C13	1	6.2pF	GRM1555C1H6R2CA01D	MURATA	CAPACITOR, CERAMIC C0G/NP0, 6.2pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
7	C14	1	3pF	GRM1555C1H3R0CA01D	MURATA	CAPACITOR, CERAMIC C0G/NP0, 3pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
8	C15 C21	2	100pF	GRM1555C1H101JA01D	MURATA	CAPACITOR, CERAMIC C0G/NP0, 100pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
9	C17 C18 C33 C34	4	12pF	GRM1555C1H120JA01D	MURATA	CAPACITOR, CERAMIC C0G/NP0, 12pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
10	C19 C40 C42 C44	4	1uF	GRM155R61A105KE15D	MURATA	CAPACITOR, CERAMIC X5R, 1uF, 10V, -10%/+10%, -55DEGC/+85DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
11	C24 C58	0	DNM	DNM	DNM	DNM	DNM	LAUNCHXL-CC1310
12	C35 C36 C37 C41 C50	5	10nF	CAPACITOR_0402_10nF_X7R_M_+/-10%_25V	MANUFACTURER SELECTION	CAPACITOR, CERAMIC X7R, 10nF, 25V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
13	C45 C48 C49	3	2.2uF	GRM155R60J225KE95D	MURATA	CAPACITOR, CERAMIC X5R, 2.2uF, 6.3V, -10%/+10%, -55DEGC/+85DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
14	C47	1	15pF	CAPACITOR_0402_15pF_C0G/NP0_M_+/-5%_50V	MANUFACTURER SELECTION	CAPACITOR, CERAMIC C0G/NP0, 15pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
15	C59	1	100nF	CAPACITOR_0402_100nF_X7R_M_+/-10%_10V	MANUFACTURER SELECTION	CAPACITOR, CERAMIC X7R, 100nF, 10V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
16	CR1 CR5	2	LPL296-J2L2-25	LP L296-J2L2-25	OSRAM	OPTO, LED, GREEN COLOR, 562nm, 0.02A, 0.08W, 0603, SMD	0603	LAUNCHXL-CC1310
17	CR2 CR4	2	LS L296-P2Q2-1	LS L296-P2Q2-1	OSRAM	OPTO, LED, SUPER RED COLOR, 630nm, 1.8V TO 2.3V, 0.06A, 0603, SMD	0603	LAUNCHXL-CC1310
18	CR6	1	TPD4E004DRY	TPD4E004DRYR	TEXAS INSTRUMENTS	DIODE, PROTECTION, ESD ARRAY, 4 CHANNEL, 6V TO 8V, -40DEGC/+85DEGC, SON6, SMD	SON6	LAUNCHXL-CC1310
19	CR7 CR8	2	TPD6E004RSER	TPD6E004RSER	TEXAS INSTRUMENTS	DIODE, PROTECTION, ESD, 7V, -40DEGC/+85DEGC, QFN8, SMD	QFN8	LAUNCHXL-CC1310
20	FIDU1 FIDU2 FIDU3 FIDU4 FIDU5 FIDU6	0	DNM			DNM		LAUNCHXL-CC1310

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21	FL1	1	BLM18HE152SN1	BLM18HE152SN1D	MURATA	FILTER, EMI, 1500@100MHZ, -55DEGC/+125DEGC, 0603, SMD	0603	LAUNCHXL-CC1310
22	J1 J2	2	SSQ-110-23-L-D	SSQ-110-23-L-D	SAMTEC	CONNECTOR, HEADER, FEMALE, STRAIGHT, 2 ROWS, 20 ROWS, 2.54mm, PTH		LAUNCHXL-CC1310
23	J6	1	105164-0001	105164-0001	MOLEX	CONNECTOR, USB, FEMALE, RIGHT ANGLE, 1 ROW, 5 PINS, PITCH 0.65mm, SMD		LAUNCHXL-CC1310
24	L1	1	6.8uH	MLZ2012N6R8LT000	TDK	INDUCTOR, STANDARD, CHIP, FERRITE CORE, SHIELDED, 6.8uH, -20%/+20%, 1.1A, -55DEGC/+125DEGC, 0805, SMD	0805	LAUNCHXL-CC1310
25	L12 L23	2	7.5nH	LQG15HS7N5J02D	MURATA	INDUCTOR, RF, CHIP, NON-MAGNETIC CORE, 7.5nH, -5%/+5%, 0.3A, -55DEGC/+125DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
26	L13 L14	2	6.8nH	LQG15HS6N8J02D	MURATA	INDUCTOR, RF, CHIP, NON-MAGNETIC CORE, 6.8nH, -5%/+5%, 0.3A, -55DEGC/+125DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
27	L22	1	27nH	LQG15HS27NJ02D	MURATA	INDUCTOR, RF, CHIP, NON-MAGNETIC CORE, 27nH, -5%/+5%, 0.3A, -55DEGC/+125DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
28	M1 M2 M3 M4 M5 M6 M7 M8 M9 M10 M11 M12 M13 M14	14	SNT-100-BK-G	SNT-100-BK-G	SAMTEC	MECHANIC, SHUNT, CURRENT RATING 4.3A PER PIN, 2.54 X 5.08 X 6.1mm, BLACK		LAUNCHXL-CC1310
29	MH1 MH2	0	DNM			DNM		LAUNCHXL-CC1310
30	MH3 MH4	0	DNM			DNM		LAUNCHXL-CC1310
31	MH5	0	DNM			DNM		LAUNCHXL-CC1310
32	P1 P2 P10	3	BB02-HC031-KB1-603000	BB02-HC031-KB1-603000	GRADCONN	CONNECTOR, HEADER, MALE, STRAIGHT, 1 ROW, 3 PINS, PITCH 2.54mm, PTH		LAUNCHXL-CC1310
33	P4	1	BB02-HJ221-KB1-603000	BB02-HJ221-KB1-603000	GRADCONN	CONNECTOR, HEADER, MALE, STRAIGHT, 2 ROWS, 22 PINS, PITCH 2.54mm, PTH		LAUNCHXL-CC1310
34	P5 P7	2	FTSH-105-01-F-DV-K	FTSH-105-01-F-DV-K	SAMTEC	CONNECTOR, HEADER, MALE, STRAIGHT, 10 PINS, 2 ROWS, PITCH 1.27mm, SMD		LAUNCHXL-CC1310
35	P6	1	BB02-HJ041-KB1-603000	BB02-HJ041-KB1-603000	GRADCONN	CONNECTOR, HEADER, MALE, STRAIGHT, 2 ROWS, 4 PINS, PITCH 2.54mm, PTH		LAUNCHXL-CC1310
36	P8	0	DNM			DNM		LAUNCHXL-CC1310
37	P11	1	MM5829-2700	MM5829-2700RJ4	MURATA	CONNECTOR, COAX, MALE, UP TO 12GHz, 30V, SMD		LAUNCHXL-CC1310
38	R1 R61 R62 R63 R65	5	100k	RESISTOR_0402_100k_+/-5%_50V_0.063W_M_+/-200ppm	MANUFACTURER SELECTION	RESISTOR, THICK FILM, 100k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
39	R2 R3 R58	3	3.3k	RESISTOR_0402_3.3k_+/-5%_50V_0.063W_M_+/-200ppm	MANUFACTURER SELECTION	RESISTOR, THICK FILM, 3.3k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
40	R11	1	2.2k	RESISTOR_0402_2.2k_+/-5%_50V_0.063W_M_+/-200ppm	MANUFACTURER SELECTION	RESISTOR, THICK FILM, 2.2k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
41	R12	1	1.8pF	GJM1555C1H1R8BB01D	MURATA	CAPACITOR, CERAMIC COG/NP0, 1.8pF, 50V, -0.1pF/+0.1pF, -55DEGC/+125DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
42	R13	0	DNM	DNM	DNM	DNM	DNM	LAUNCHXL-CC1310

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43	R14 R25	2	220	RESISTOR_0402_220_+/-5%_50V_0.063W_M_+/-200ppm	MANUFACTURER SELECTION	RESISTOR, THICK FILM, 220, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
44	R15 R23	2	180	RESISTOR_0402_180_+/-5%_50V_0.063W_M_+/-200ppm	MANUFACTURER SELECTION	RESISTOR, THICK FILM, 180, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
45	R17	1	10k	RESISTOR_0402_10k_+/-5%_50V_0.063W_M_+/-200ppm	MANUFACTURER SELECTION	RESISTOR, THICK FILM, 10k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
46	R18	1	4.7k	RESISTOR_0402_4.7k_+/-5%_50V_0.063W_M_+/-200ppm	MANUFACTURER SELECTION	RESISTOR, THICK FILM, 4.7k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
47	R19 R21 R59 R60	0	DNM	DNM	DNM	DNM	DNM	LAUNCHXL-CC1310
48	R20	1	100	RESISTOR_0402_100_+/-1%_50V_0.063W_M_+/-100ppm	MANUFACTURER SELECTION	RESISTOR, THICK FILM, 100, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
49	R22	1	330k	RESISTOR_0402_330k_+/-1%_50V_0.063W_M_+/-100ppm	MANUFACTURER SELECTION	RESISTOR, THICK FILM, 330k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
50	R24	1	220k	RESISTOR_0402_220k_+/-1%_50V_0.063W_M_+/-100ppm	MANUFACTURER SELECTION	RESISTOR, THICK FILM, 220k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
51	R27 R29 R30 R39	4	1k	RESISTOR_0402_1k_+/-5%_50V_0.063W_M_+/-200ppm	MANUFACTURER SELECTION	RESISTOR, THICK FILM, 1k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
52	R28	1	4.87k	RESISTOR_0402_4.87k_+/-1%_50V_0.063W_M_+/-100ppm	MANUFACTURER SELECTION	RESISTOR, THICK FILM, 4.87k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
53	R31	1	51	RESISTOR_0402_51_+/-5%_50V_0.063W_M_+/-200ppm	MANUFACTURER SELECTION	RESISTOR, THICK FILM, 51, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
54	R32	1	33k	RESISTOR_0402_33k_+/-1%_50V_0.063W_M_+/-100ppm	MANUFACTURER SELECTION	RESISTOR, THICK FILM, 33k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
55	R33	1	51k	RESISTOR_0402_51k_+/-5%_50V_0.063W_M_+/-200ppm	MANUFACTURER SELECTION	RESISTOR, THICK FILM, 51k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
56	R34	1	30k	RESISTOR_0402_30k_+/-5%_50V_0.063W_M_+/-200ppm	MANUFACTURER SELECTION	RESISTOR, THICK FILM, 30k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
57	R46 R47 R48 R49 R51	0	DNM	DNM	DNM	DNM	DNM	LAUNCHXL-CC1310
58	R52	1	0	RESISTOR_0603_0_+/-5%_75V_0.1W_M_+/-200ppm	MANUFACTURER SELECTION	RESISTOR, THICK FILM, 0, 0.1W, 75V, -55DEGC/+155DEGC, 0603, SMD	0603	LAUNCHXL-CC1310
59	R55 R56 R57 R66	4	100	RESISTOR_0402_100_+/-5%_50V_0.063W_M_+/-200ppm	MANUFACTURER SELECTION	RESISTOR, THICK FILM, 100, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	0402	LAUNCHXL-CC1310
60	SW1 SW2 SW3	3	1188E-1K2-V	1188E-1K2-V-TR	DIPTRONICS	SWITCH, TACT, 0.05A@250VAC, 0.05A@12VDC, 0.05A, 250V, SMD		LAUNCHXL-CC1310
61	U1	1	CC1310 F128RGZT	CC1310F128RGZT	TEXAS INSTRUMENTS	IC, MICROCONTROLLER, 128kB, 1.8V TO 3.8V, VQFN48-EP, SMD	VQFN48-EP	LAUNCHXL-CC1310

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62	U4	1	MX25R8035FZUILO	MX25R8035FZUILO	MACRONIX	IC, MEMORY, FLASH, SERIAL, 8Mbit, 1.65V TO 3.6V, USON8, SMD	USON8	LAUNCHXL-CC1310
63	U5	1	TM4C1294NCPDTT3R	TM4C1294NCPDTT3R	TEXAS INSTRUMENTS	IC, MICROPROCESSOR, TIVA C SERIES MICROCONTROLLER, ARM CRTEX-M4, 2.97V TO 3.63V, TQFP128, SMD	TQFP128	LAUNCHXL-CC1310
64	U6	1	LM4040B25IDCKR	LM4040B25IDCKR	TEXAS INSTRUMENTS	IC, ANALOG, PRECISION MICROPOWER SHUNT VOLTAGE REFERENCE, 2.5V, SC70-5, SMD	SC70-5	LAUNCHXL-CC1310
65	U7	1	TPS79601DR	TPS79601DRBR	TEXAS INSTRUMENTS	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	SON8	LAUNCHXL-CC1310
66	U8 U9 U10	3	SN74AVC4T245RSV	SN74AVC4T245RSVR	TEXAS INSTRUMENTS	IC, DIGITAL, LOGIC, 4bit DUAL-SUPPLY BUS TRANSCEIVER 3 STATE OUTPUT, 1.2V TO 3.6V, UQFN16, SMD	UQFN16	LAUNCHXL-CC1310
67	Y1	1	32.768kHz	FC-135 32.7680KA-AG0	EPSON	CRYSTAL, RESONATOR, 32.768kHz, -20PPM/+20PPM, -40DEGC/+85DEGC, SMD		LAUNCHXL-CC1310
68	Y2	1	24MHz	TSX-3225 24.0000MF15X-AC3	EPSON	CRYSTAL, CRYSTAL OSCILLATOR, 24MHz, -15PPM/DEGC/+15PPM/DEGC, -40DEGC/+85DEGC, SMD		LAUNCHXL-CC1310
69	Y3	1	16MHz	NX3225GA-16.000M-STD-CRG-1	NIHON DEMPAA KOGYO	CRYSTAL, OSCILLATOR, 16MHz, -30PPM/DEGC/+30PPM/DEGC, -40DEGC/+85DEGC, SMD		LAUNCHXL-CC1310
70	C1	1	100n		Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND	402	MSP-EXP432P401R
71	C2	1	100n		Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND	402	MSP-EXP432P401R
72	C3	1	10u		Standard	CAP TANT 10UF 10V 20% 1206,Digikey 493-2351-1-ND	TANT_3216	MSP-EXP432P401R
73	C4	1	100n		Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND	402	MSP-EXP432P401R
74	C5	1	22p		Standard	CAP CER 22PF 50V 5% NP0 0402, Digikey 445-1239-1-ND	402	MSP-EXP432P401R
75	C6	1	22p		Standard	CAP CER 22PF 50V 5% NP0 0402, Digikey 445-1239-1-ND	402	MSP-EXP432P401R
76	C7	1	100n		Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND	402	MSP-EXP432P401R
77	C8	1	100n		Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND	402	MSP-EXP432P401R
78	C10	1	4.7u		Standard	CAP CER 4.7UF 10V Y5V 0805, Digikey 445-1370-1-ND	805	MSP-EXP432P401R
79	C11	1	22p		Standard	CAP CER 22PF 50V 5% NP0 0402, Digikey 445-1239-1-ND	402	MSP-EXP432P401R
80	C12	1	22p		Standard	CAP CER 22PF 50V 5% NP0 0402, Digikey 445-1239-1-ND	402	MSP-EXP432P401R
81	C13	1	1n		Standard	CAP CER 1000PF 50V 10% X7R 0402,Digikey 445-1256-1-ND	402	MSP-EXP432P401R
82	C101	1	12p		Standard	CAP CER 12PF 50V 5% NP0 0402,Digikey 445-1236-1-ND	402	MSP-EXP432P401R
83	C102	1	12p		Standard	CAP CER 12PF 50V 5% NP0 0402,Digikey 445-1236-1-ND	402	MSP-EXP432P401R
84	C103	1	100n		Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND	402	MSP-EXP432P401R
85	C104	1	10n		Standard	CAP CER 10000PF 10V 10% X7R 0402, Digikey 478-7890-1-ND	402	MSP-EXP432P401R
86	C105	1	2.2u		Standard	CAP CER 2.2UF 10V 10% X5R 0603, Digikey 587-1253-1-ND	603	MSP-EXP432P401R
87	C106	1	4.7u		Standard	CAP TANT 4.7UF 10V 10% 1206,Digikey 478-8221-1-ND	TANT_3216	MSP-EXP432P401R
88	C107	1	1u		Standard	CAP CER 1UF 10V 10% X5R 0603, Digikey 445-1321-1-ND	603	MSP-EXP432P401R
89	C108	0	dnp		Standard		402	MSP-EXP432P401R
90	C110	1	10n		Standard	CAP CER 10000PF 10V 10% X7R 0402, Digikey 478-7890-1-ND	402	MSP-EXP432P401R
91	C111	1	100n		Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND	402	MSP-EXP432P401R
92	C112	1	10n		Standard	CAP CER 10000PF 10V 10% X7R 0402, Digikey 478-7890-1-ND	402	MSP-EXP432P401R
93	C113	1	100n		Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND	402	MSP-EXP432P401R
94	C114	1	10n		Standard	CAP CER 10000PF 10V 10% X7R 0402, Digikey 478-7890-1-ND	402	MSP-EXP432P401R
95	C115	1	33p		Standard	CAP CER 33PF 50V 5% NP0 0402,Digikey 445-1241-1-ND	402	MSP-EXP432P401R
96	C116	1	33p		Standard	CAP CER 33PF 50V 5% NP0 0402,Digikey 445-1241-1-ND	402	MSP-EXP432P401R
97	C117	1	4.7u		Standard	CAP CER 4.7UF 10V 10% X5R 0603,Digikey 445-5170-1-ND	603	MSP-EXP432P401R
98	C118	1	100n		Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND	402	MSP-EXP432P401R
99	C119	1	4.7u	C1608X5R1A475K080AC	TDK	CAP CER 4.7UF 10V 10% X5R 0603, Digikey 445-5170-1-ND	603	MSP-EXP432P401R
100	C120	1	100n		Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND	402	MSP-EXP432P401R
101	C121	1	100n		Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND	402	MSP-EXP432P401R
102	C123	1	10n		Standard	CAP CER 10000PF 10V 10% X7R 0402, Digikey 478-7890-1-ND	402	MSP-EXP432P401R

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103	C124	1	100n		Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND	402	MSP-EXP432P401R
104	C126	1	220n		Standard	CAP CER 0.22UF 16V 10% X5R 0402,Digikey 445-4972-1-ND	402	MSP-EXP432P401R
105	C127	1	220n		Standard	CAP CER 0.22UF 16V 10% X5R 0402,Digikey 445-4972-1-ND	402	MSP-EXP432P401R
106	C128	1	47u		Standard	CAP CER 47UF 10V 20% X5R 1206, Digikey 445-6006-1-ND	TANT_3216	MSP-EXP432P401R
107	C129	1	100n		Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND	402	MSP-EXP432P401R
108	C130	1	1u		Standard	CAP CER 1UF 10V 10% X5R 0603, Digikey 445-1321-1-ND	603	MSP-EXP432P401R
109	C131	1	100n		Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND	402	MSP-EXP432P401R
110	C132	1	1u		Standard	CAP CER 1UF 10V 10% X5R 0603, Digikey 445-1321-1-ND	603	MSP-EXP432P401R
111	C133	1	2.2u		Standard	CAP CER 2.2UF 10V 10% X5R 0603, Digikey 587-1253-1-ND	603	MSP-EXP432P401R
112	C140	1	4.7u		Standard	CAP TANT 4.7UF 10V 10% 1206,Digikey 478-8221-1-ND	TANT_3216	MSP-EXP432P401R
113	C141	1	1u		Standard	CAP CER 1UF 10V 10% X5R 0603, Digikey 445-1321-1-ND	603	MSP-EXP432P401R
114	C150	1	100n		Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND	402	MSP-EXP432P401R
115	D101	1	BAS40-05	BAS40-05 215	NXP	DIODE SCHOTTKY 40V 120MA TO236AB,Digikey 568-4862-1-ND	SOT-23	MSP-EXP432P401R
116	D102	1	BAS40-05	BAS40-05 215	NXP	DIODE SCHOTTKY 40V 120MA TO236AB,Digikey 568-4862-1-ND	SOT-23	MSP-EXP432P401R
117	IC101	1	TPS73533DRB	TPS73533DRB	TI	IC REG LDO 3.3V 0.5A 8SON,Digikey 296-24854-1-ND		MSP-EXP432P401R
118	IC102	1	TPD4E004DRY	TPD4E004DRY	TI	IC 4CH ESD-PROT ARRAY 6-SON,Digikey 296-23618-1-ND	USON	MSP-EXP432P401R
119	IC103	1	TPS2012DBV	TPS2012DBV	TI	IC OR CTRLR SRC SELECT SOT23-5, Digikey 296-10880-1-ND	SOT23-5	MSP-EXP432P401R
120	IC106	1	TM4C1294NCPDT	TM4C1294NCPDT	TI	IC MCU 32BIT		MSP-EXP432P401R
121	IC107	1	LM4040B25DCK	LM4040B25DCK	TI	IC VREF SHUNT PREC 2.5V SC-70-5, Digikey 296-20873-1-ND	SC70-5	MSP-EXP432P401R
122	J1/J3	1		CNT-F254-2*10-GS-850-9	CM	CONN HEADER 20POS .100" DUAL, FEMALE with long male leads	2X10	MSP-EXP432P401R
123	J2/J4	1		CNT-F254-2*10-GS-850-9	CM	CONN HEADER 20POS .100" DUAL, FEMALE with long male leads	2X10	MSP-EXP432P401R
124	J5	0	dnp		Standard	CONN HEADER .100 DUAL STR 40POS,Digikey S2012E-20-ND	0.100 inch x 2 x 20	MSP-EXP432P401R
125	J6	1			Standard	CONN HEADER .100 SINGL STR 3POS,Digikey S1012E-03-ND	0.100 inch x 3	MSP-EXP432P401R
126	J7	1			Standard	CONN HEADER .100 SINGL STR 3POS,Digikey S1012E-03-ND	0.100 inch x 3	MSP-EXP432P401R
127	J8	1		FTSH-105-01-F-D-K	Samtec	CONN HEADER 10POS DUAL VERT, Digikey FTSH-105-01-F-D-K-ND		MSP-EXP432P401R
128	JP8	1	Place Jumper		Standard	CONN HEADER .100 SINGL STR 2POS,Digikey S1012E-02-ND	0.100 inch x 2	MSP-EXP432P401R
129	JP9	1	Place Jumper		Standard	CONN HEADER .100 SINGL STR 2POS,Digikey S1012E-02-ND	0.100 inch x 2	MSP-EXP432P401R
130	JP10	1	Place Jumper		Standard	CONN HEADER .100 SINGL STR 2POS,Digikey S1012E-02-ND	0.100 inch x 2	MSP-EXP432P401R
131	JP11	1	Place Jumper		Standard	CONN HEADER .100 SINGL STR 2POS,Digikey S1012E-02-ND	0.100 inch x 2	MSP-EXP432P401R
132	JP102	0	No Jumper, DNP		Standard	CONN HEADER .100 SINGL STR 2POS,Digikey S1012E-02-ND	0.100 inch x 2	MSP-EXP432P401R
133	J101	1			Standard	CONN HEADER .100 DUAL STR 20POS,Digikey S2012E-10-ND		MSP-EXP432P401R
134	J102	1		FTSH-105-01-F-D-K	Samtec	CONN HEADER 10POS DUAL VERT, Digikey FTSH-105-01-F-D-K-ND		MSP-EXP432P401R
135	L1	1	4.7uH	LQH2MCN4R7M02L	Murata	INDUCTOR 4.7UH 300MA 0806, Digikey 490-4044-1-ND	806	MSP-EXP432P401R
136	L101	1	2.2uH	CBC2518T2R2M	Taiyo Yuden	2.2uH, Tayo Yuden CBC2518T2R2M, Digikey 587-1618-1-ND	1007	MSP-EXP432P401R

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference	Comments
137	LED1	1	Low Current Red		Standard	LED RED CLEAR 0603 SMD,Digikey 160-1181-1-ND	603	MSP-EXP432P401R
138	LED2	1		19-337/R6GHBHC-A01/2T or EAST1616RGBA3	Everlight	LED RGB CLEAR SMD, Everlight 19-337/R6GHBHC-A01/2T or EAST1616RGBA3		MSP-EXP432P401R
139	LED101	1	Low Current Red		Standard	LED RED CLEAR 0603 SMD,Digikey 160-1181-1-ND	603	MSP-EXP432P401R
140	LED102	1	Low Current Green		Standard	LED GREEN CLEAR 0603 SMD,Digikey 160-1183-1-ND	603	MSP-EXP432P401R
141	MSP1	1		MSP432P401RIPZ	TI	IC MCU 32BIT		MSP-EXP432P401R
142	MSP101	1	MSP430 G2452RSA	MSP430G2452RSA	TI	IC MCU 16BIT 8KB FLASH 16QFN,Digikey 296-28129-1-ND	QFN 16	MSP-EXP432P401R
143	Q1	1	32.7638 kHz, 12.5pF	X1A0001410014	Epson	CRYSTAL 32.7680KHZ 12.5PF SMT, Digikey SER4071CT-ND	FC-135R	MSP-EXP432P401R
144	Q2	1	48MHz, 12pF	Q22FA2380185214	Epson	CRYSTAL 48.00 MHZ 12.0PF SMD, Digikey FA-238 48.0000MB-W0-ND	FA238	MSP-EXP432P401R
145	Q101	1	16MHz, 8pF	NX3225GA-16.000M-STD-CRG-1	Standard	CRYSTAL 16MHZ 8PF SMD, Digikey 644-1174-1-ND		MSP-EXP432P401R
146	R1	1	0		Standard	RES 0.0 OHM 1/16W 0402 SMD,Digikey 311-0.0JRTR-ND	402	MSP-EXP432P401R
147	R2	1	110		Standard	RES 110 OHM 1/16W 1% 0402 SMD,Digikey 311-110LRCT-ND	402	MSP-EXP432P401R
148	R3	1	16		Standard	RES 16 OHM 1/10W 5% 0402 SMD, Digikey P16JCT-ND	402	MSP-EXP432P401R
149	R4	1	24		Standard	RES 24 OHM 1/16W 5% 0402 SMD, Digikey 311-24JRCT-ND	402	MSP-EXP432P401R
150	R5	1	91kOhm , 0.1%, 25ppm/°C	ERA-6AEB913V	Panasonic	RES 91K OHM 1/8W 0.1% 0805 SMD, Digikey P91KDACT-ND	805	MSP-EXP432P401R
151	R6	1	47k		Standard	RES 47.0K OHM 1/16W 1% 0402 SMD,Digikey 311-47.0KLRCT-ND	402	MSP-EXP432P401R
152	R7	1	470		Standard	RES 470 OHM 1/16W 1% 0402 SMD,Digikey 311-470LRCT-ND	402	MSP-EXP432P401R
153	R101	0	dnp		Standard	RES 220K OHM 1/16W 1% 0402 SMD,Digikey 311-220KLRCT-ND	402	MSP-EXP432P401R
154	R102	1	100		Standard	RES 100 OHM 1/16W 1% 0402 SMD, Digikey 311-100LRCT-ND	402	MSP-EXP432P401R
155	R103	1	10k		Standard	RES 10.0K OHM 1/16W 1% 0402 SMD,Digikey 311-10.0KLRCT-ND	402	MSP-EXP432P401R
156	R104	1	51		Standard	RES 51 OHM 1/16W 5% 0402 SMD, Digikey 311-51JRCT-ND	402	MSP-EXP432P401R
157	R105	1	1k		Standard	RES 1.00K OHM 1/16W 1% 0402 SMD, Digikey 311-1.00KLRCT-ND	402	MSP-EXP432P401R
158	R106	1	2		Standard	RES 2.0 OHM 1/16W 5% 0402 SMD, Digikey 311-2.0JRCT-ND	402	MSP-EXP432P401R
159	R107	1	47k		Standard	RES 47.0K OHM 1/16W 1% 0402 SMD,Digikey 311-47.0KLRCT-ND	402	MSP-EXP432P401R
160	R108	1	1k		Standard	RES 1.0K OHM 1/16W 5% 0402 SMD, Digikey 311-1.0KJRCT-ND	402	MSP-EXP432P401R
161	R109	1	1k		Standard	RES 1.0K OHM 1/16W 5% 0402 SMD, Digikey 311-1.0KJRCT-ND	402	MSP-EXP432P401R
162	R110	1	1k		Standard	RES 1.0K OHM 1/16W 5% 0402 SMD, Digikey 311-1.0KJRCT-ND	402	MSP-EXP432P401R
163	R111	1	470		Standard	RES 470 OHM 1/16W 1% 0402 SMD,Digikey 311-470LRCT-ND	402	MSP-EXP432P401R
164	R112	1	220k		Standard	RES 220K OHM 1/16W 1% 0402 SMD,Digikey 311-220KLRCT-ND	402	MSP-EXP432P401R
165	R113	1	220k		Standard	RES 220K OHM 1/16W 1% 0402 SMD,Digikey 311-220KLRCT-ND	402	MSP-EXP432P401R
166	R114	1	220k		Standard	RES 220K OHM 1/16W 1% 0402 SMD,Digikey 311-220KLRCT-ND	402	MSP-EXP432P401R
167	R115	1	220k		Standard	RES 220K OHM 1/16W 1% 0402 SMD,Digikey 311-220KLRCT-ND	402	MSP-EXP432P401R
168	R116	1	4k7		Standard	RES 4.7K OHM 1/16W 5% 0402 SMD,Digikey 311-4.7KJRCT-ND	402	MSP-EXP432P401R
169	R117	1	4k7		Standard	RES 4.7K OHM 1/16W 5% 0402 SMD,Digikey 311-4.7KJRCT-ND	402	MSP-EXP432P401R
170	R118	1	820		Standard	RES 820 OHM 1/16W 1% 0402 SMD,Digikey 311-820LRCT-ND	402	MSP-EXP432P401R
171	R119	1	0		Standard	RES 0.0 OHM 1/16W 0402 SMD,Digikey 311-0.0JRTR-ND	402	MSP-EXP432P401R

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference	Comments
172	R120	1	470		Standard	RES 470 OHM 1/16W 1% 0402 SMD,Digikey 311-470LRCT-ND	402	MSP-EXP432P401R
173	R123	1	33		Standard	RES 33 OHM 1/16W 5% 0402 SMD,Digikey 311-33JRCT-ND	402	MSP-EXP432P401R
174	R124	1	470		Standard	RES 470 OHM 1/16W 1% 0402 SMD,Digikey 311-470LRCT-ND	402	MSP-EXP432P401R
175	R125	1	10k		Standard	RES 10.0K OHM 1/16W 1% 0402 SMD,Digikey 311-10.0KLRCT-ND	402	MSP-EXP432P401R
176	R126	1	2k2		Standard	RES 2.20K OHM 1/16W 1% 0402 SMD,Digikey 311-2.20KLRCT-ND	402	MSP-EXP432P401R
177	R127	1	3k3		Standard	RES 3.30K OHM 1/16W 1% 0402 SMD,Digikey 311-3.30KLRCT-ND	402	MSP-EXP432P401R
178	R128	1	6k8		Standard	RES 6.80K OHM 1/16W 1% 0402 SMD,Digikey 311-6.80KLRCT-ND	402	MSP-EXP432P401R
179	R129	1	10k		Standard	RES 10.0K OHM 1/16W 1% 0402 SMD,Digikey 311-10.0KLRCT-ND	402	MSP-EXP432P401R
180	R131	1	0		Standard	RES 0.0 OHM 1/16W 0402 SMD,Digikey 311-0.0JRTR-ND	402	MSP-EXP432P401R
181	R132	1	330k		Standard	RES 330K OHM 1/16W 1% 0402 SMD, Digikey 311-330KLRCT-ND	402	MSP-EXP432P401R
182	R133	1	220k		Standard	RES 220K OHM 1/16W 1% 0402 SMD,Digikey 311-220KLRCT-ND	402	MSP-EXP432P401R
183	R134	0	dnp		Standard	RES 220K OHM 1/16W 1% 0402 SMD,Digikey 311-220KLRCT-ND	402	MSP-EXP432P401R
184	R135	1	220k		Standard	RES 220K OHM 1/16W 1% 0402 SMD,Digikey 311-220KLRCT-ND	402	MSP-EXP432P401R
185	R136	1	220k		Standard	RES 220K OHM 1/16W 1% 0402 SMD,Digikey 311-220KLRCT-ND	402	MSP-EXP432P401R
186	R137	1	0		Standard	RES 0.0 OHM 1/16W 0402 SMD,Digikey 311-0.0JRTR-ND	402	MSP-EXP432P401R
187	R138	1	0		Standard	RES 0.0 OHM 1/16W 0402 SMD,Digikey 311-0.0JRTR-ND	402	MSP-EXP432P401R
188	R139	0	4k87		Standard	RES 4.87K OHM 1/16W 1% 0402 SMD, Digikey 541-4.87KLCT-ND	402	MSP-EXP432P401R
189	R140	1	51		Standard	RES 51 OHM 1/16W 5% 0402 SMD, Digikey 311-51JRCT-ND	402	MSP-EXP432P401R
190	S1	1		TS-1188E-1K2-V-TR	Best Inc	SWITCH TACTILE RA Side,Digikey		MSP-EXP432P401R
191	S2	1		TS-1188E-1K2-V-TR	Best Inc	SWITCH TACTILE RA Side,Digikey		MSP-EXP432P401R
192	S3	1		TS-1188E-1K2-V-TR	Best Inc	SWITCH TACTILE RA Side,Digikey		MSP-EXP432P401R
193	T101	1	DMG1013UW-7	DMG1013UW-7	Diodes	MOSFET P-CH 20V 820MA SOT323,Digikey DMG1013UW-7DICT-ND	SOT-323	MSP-EXP432P401R
194	T102	1	BC850CW-115	BC850CW-115	NXP	TRANSISTOR NPN 45V 100MA SOT323,Digikey 568-6076-1-ND	SOT-323	MSP-EXP432P401R
195	TP101	1	TPD4E004DRY		Standard	Test Point,Hole, Digikey nothing-to-purchase	TP	MSP-EXP432P401R
196	TP102	1	STD		Standard	Test Point,Hole, Digikey nothing-to-purchase		MSP-EXP432P401R
197	TP103	1	STD		Standard	Test Point,Hole, Digikey nothing-to-purchase		MSP-EXP432P401R
198	TP104	1	STD		Standard	Test Point,Hole, Digikey nothing-to-purchase		MSP-EXP432P401R
199	TP105	1	STD		Standard	Test Point,Hole, Digikey nothing-to-purchase		MSP-EXP432P401R
200	TP106	1	STD		Standard	Test Point,Hole, Digikey nothing-to-purchase		MSP-EXP432P401R
201	TP108	1	STD		Standard	Test Point,Hole, Digikey nothing-to-purchase		MSP-EXP432P401R
202	TP109	1	STD		Standard	Test Point,Hole, Digikey nothing-to-purchase		MSP-EXP432P401R
203	TP110	1	STD		Standard	Test Point,Hole, Digikey nothing-to-purchase		MSP-EXP432P401R
204	TP111	1	STD		Standard	Test Point,Hole, Digikey nothing-to-purchase		MSP-EXP432P401R
205	USB101	1		105164-0001	Molex	USB B REC TOP MT TH/SMT 0.80, Digikey WM11263CT-ND		MSP-EXP432P401R

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