Bill of Materials TIDESIGNS TIDESIGNS

Reference Value Part Description Digitey Part Number Manufacturer Part	Name	Note
1 2 C37, C40 10 pF CAP CER 10PF 50V COG/NPO 0603 311-1058-1-ND YAGEO CC0603 2 1 C1 10000PF CAP CER 10000PF 50V 10% X7R 0603 445-1311-1-ND TDK C1608X7 3 10 C56, C57, C60, C61, C62, C63, C64, C65, C66, C67 0.01UF CAP CER 0.1UF 25V 10% X7R 0603 445-1316-1-ND TDK C1608X7 4 8 R20, R21, R22, R37, R45, R56, R57, R58 100 RE5 100 OHM 1/10W 5% 0603 SMD RMCF06031T100RCT-ND STACKPOLE RMCF 5 5 R5, R6, R7, R17,R49 100K OHM RE5 100 KOHM 1/8W 5% 0805 SMD RMCF08031T100KCT-ND STACKPOLE RMCF 6 7 C5, C16, C22, C29, C31, C32, C81 0.1 UF CAP CER 0.1UF 50V Y5V 0603 311-1343-1-ND YAGEO CC0603 7 1 R2, R39 10 OHM RE5 100 OHM 1/8W 5% 0805 SMD RMCF08051T100KCT-ND STACKPOLE RMCF 8 3 C35, C44, C48 10 UF CAP, CERM, 10 UF, 16 V, +/- 10%, X5R, 0805 557-1295-1-ND TAIVO EMX2 D2, D3, D4, D5, D10, D11, D12, D2, D4, D5, D10, D11, D12, D6, D7 D10DE D10DE SWITCHING 75V 0.15A S0D523 1N4148XTFMSCT-ND MICRO COMM 1N 10 2 D6, D7 D10DE D10DE D10DE BIODE SWITCHING 75V 0.15A S0D523 1N4148XTFMSCT-ND FARCHILD 1N 11 1 C55 1UF AP CER D1LP 25V 10% X7R 0603 445-5955-1-ND TOK C1608X7	### AUTOMORY CONTINUE ### AUTOMORY CONTINUE ### AUTOMORY	
2 1 C1 10000PF CAP CER 10000PF 50V 10% X7R 0603 445-1311-1-ND TDK C1608X7 3 10 C56, C57, C60, C61, C62, C63, C64, C65, C66, C67 0.1UF CAP CER 0.1UF 25V 10% X7R 0603 445-1316-1-ND TDK C1608X7 4 8 R20, R21, R22, R37, R45, R56, R57, R58 100 RE5 100 0 HM 1/10W 5% 0603 SMD RMCF06037100RCT-ND STACKPOLE RMCF 5 5 R5, R6, R7, R17,R49 100K OHM RE5 100K OHM 1/8W 5% 0805 SMD RMCF080517100KCT-ND STACKPOLE RMCF 6 7 C5, C16, C22, C29, C31, C32, C81 0.1 UF CAP CER 0.1UF 50V Y5V 0603 311-1343-1-ND YAGEO C00603 7 1 R19 10 OHM RE5 100 HM 1/8W 5% 0805 SMD RMCF080517100KCT-ND STACKPOLE RMCF 8 3 C35, C44, C48 10 UF CAP, CERM, 10 µF, 16 V, +/- 10%, X5R, 0805 587-1295-1-ND TAIVO EMX2 D 20, 30, 40, 50, 310, 311, 3143-1-ND TAIVO EMX2 9 12 D12, D13, D26, D27, D28, D29 DIODE DIODE SWITCHING 75V 0.15A SOD523 1N4148XTPMSCT-ND MICRO COMM 1N 10 2 D6, D7 DIODE DIODE DIODE SWITCHING 75V 0.15A SOD523 1N4148XTPMSCT-ND FAIRCHILD 1N 11 1 C55 1UF AP CER NUTE 75V 105MA SOD323F 1N4148XTPMSCT-ND FAIRCHILD 1N 10 C1008XT	X7R1H103K080AA 0603 X7R1E104K080AA 0603 X7R1E104K080AA 0603 KCF0603IT100R 0603 KCF0805IT100R 0805 K212B1106K6-T 0805 X212B1106K6-T 0805 X212B1106K9-T 0805 X21	
3 10 C56, C57, C60, C61, C62, C63, C64, C65, C66, C67 0.1UF CAP CER 0.1UF 2SV 10% X7R 0603 445-1316-1-ND TDK C1608X7 4 8 R20, R21, R22, R37, R45, R56, R57, R58 100 R5100 OHM 1/10W 5% 0603 SMD RMCF06031T100RCT-ND STACKPOLE RMCF 5 5 S R5, R6, R7, R17,R49 100K OHM RES 100 KOHM 1/8W 5% 0805 SMD RMCF08031T100KCT-ND STACKPOLE RMCF 6 7 C5, C16, C22, C29, C31, C32, C81 0.1 UF CAP CER 0.1UF 50V Y5V 0603 311-1343-1-ND YAGED CC0603 7 1 R19 10 OHM R51 00 HM 1/8W 5% 0805 SMD RMCF08051T100KCT-ND STACKPOLE RMCF 8 3 C35, C44, C48 10 UF CAP, CERM, 10 µF, 16 V, +/- 10%, X5R, 0805 587-1295-1-ND TAIYO EMK2 D 20, 30, 40, 50, 50, 011, D 20, 30, 40, 50, 50, 011, D 30, 50, 50, 50, 50, 50, 50, 50, 50, 50, 5	XX7R1E104K080AA 0603 KCF0603JT100R 0603 KCF0603JT100R 0805 S022RYSV98B104 0603 KCF080SJT10R0 0805 K212B1J06KC-T 0805 X212B1J06KC-T 0805 1M4148X-TP SOD523 1M4148WS SOD323F XX7R1E105K080AB 0603 KCA-1AN25 CA-1AN25	
3 10 C56, C57, C60, C61, C62, C63, C64, C65, C66, C67 0.1UF CAP CER 0.1UF 2SV 10% X7R 0603 445-1316-1-ND TDK C1608X7 4 8 R20, R21, R22, R37, R45, R56, R57, R58 100 R51 000 HM 1/10W 5% 0603 SMD RMCF06031T100RCT-ND 5TACKPOLE RMCF 5 5 S R5, R6, R7, R17,R49 100K 0HM RES 100 K0 HM 1/8W 5% 0805 SMD RMCF08031T100KCT-ND 5TACKPOLE RMCF 6 7 C5, C16, C22, C29, C31, C32, C81 0.1 UF CAP CER 0.1UF 50V Y5V 0603 311-1343-1-ND YAGED CC0603 7 1 R19 10 0HM R51 00 HM 1/8W 5% 0805 SMD RMCF08051T100KCT-ND 5TACKPOLE RMCF 8 3 C35, C44, C48 10 UF CAP, CERM, 10 µF, 16 V, +/- 10%, X5R, 0805 557-1295-1-ND TAIVO EMK2 D 2, D3, D4, D5, D10, D11, D100E DIODE SWITCHING 75V 0.15A SOD523 1N4148XTPMSCT-ND MICRO COMM 1N 10 2 D6, D7 DIODE DIODE GNP NPT 75V 150MA SOD323F 1N4148XTPMSCT-ND FARCHILD 1N 11 1 C55 1UF AP CER PLIF 25V 10% X7R 0603 445-5956-1-ND TOK C1008XT	XX7R1E104K080AA 0603 KCF0603JT100R 0603 KCF0603JT100R 0805 S022RYSV98B104 0603 KCF080SJT10R0 0805 K212B1J06KC-T 0805 X212B1J06KC-T 0805 1M4148X-TP SOD523 1M4148WS SOD323F XX7R1E105K080AB 0603 KCA-1AN25 CA-1AN25	
4 8 R20, R21, R22, R37, R45, R36, R57, R58 100 RE\$ 100 OHM 1/10W \$\$\text{0.603 SMD}\$ RMCF0603JT100RCT-ND STACKPOLE RMCF 5 5 R\$, R6, R7, R17,R49 100K OHM RE\$ 100 K0 OHM 1/8W \$\$\text{0.603 SMD}\$ RMCF0805JT100KCT-ND STACKPOLE RMCF 6 7 C\$, C16, C22, C29, C31, C32, C81 0.1 UF CAP CER 0.1 UF 50V YSV 6063 311-1343-1-N D YAGEO CC0603 7 1 1 R19 10 OHM RE\$ 100 OHM RMCF0805JT10RCCT-ND STACKPOLE RMCF 8 3 C35, C44, C48 10 UF CAP, CERN, 10 UF, 16 V, +7 10%, X5R, 0805 SMD RMCF0805JT10RCCT-ND STACKPOLE RMCF D2, D3, D4, D5, D10, D11, D2, D3, D4, D5, D10, D11, D2, D3, D4, D5, D10, D11, D10DE DIODE SWITCHING 75V 0.15A SQD\$23 1N4148XTPMSCT-ND MICRO COMM 1N 10 2 D6, D7 DIODE DIODE GEN PURP 75V 150MA SQD\$23F 1N4148W5FSCT-ND FAIRCHILD 1N 11 1 C55 1UF AP CER PURP 55V 150MA SQD\$23F 1N4148W5FSCT-ND TOK C1608X7	NCF06031T100R	
4 8 R20, R21, R22, R37, R45, R36, R57, R58 100 RE\$ 100 OHM 1/10W \$\$\text{0.603 SMD}\$ RMCF0603JT100RCT-ND STACKPOLE RMCF 5 5 R\$, R6, R7, R17,R49 100K OHM RE\$ 100 K0 OHM 1/8W \$\$\text{0.603 SMD}\$ RMCF0805JT100KCT-ND STACKPOLE RMCF 6 7 C\$, C16, C22, C29, C31, C32, C81 0.1 UF CAP CER 0.1 UF 50V YSV 6063 311-1343-1-N D YAGEO CC0603 7 1 1 R19 10 OHM RE\$ 100 OHM RMCF0805JT10RCCT-ND STACKPOLE RMCF 8 3 C35, C44, C48 10 UF CAP, CERN, 10 UF, 16 V, +7 10%, X5R, 0805 SMD RMCF0805JT10RCCT-ND STACKPOLE RMCF D2, D3, D4, D5, D10, D11, D2, D3, D4, D5, D10, D11, D2, D3, D4, D5, D10, D11, D10DE DIODE SWITCHING 75V 0.15A SQD\$23 1N4148XTPMSCT-ND MICRO COMM 1N 10 2 D6, D7 DIODE DIODE GEN PURP 75V 150MA SQD\$23F 1N4148W5FSCT-ND FAIRCHILD 1N 11 1 C55 1UF AP CER PURP 55V 150MA SQD\$23F 1N4148W5FSCT-ND TOK C1608X7	NCF06031T100R	
5 5 RS, RG, R7, R17,R49 100K OHM RES 100K OHM 1/8W 5% 0805 SMD RMCF0805/T100KCT-ND STACKPOLE RMCF 6 7 C5, C5, C22, C29, C31, C32, C81 0.1 UF CAP CER 0.1UF 50V Y5V 0603 311-1343-1-ND YAGEO CC0603 7 1 R19 10 OHM RES 10 OHM 1/8W 5% 0805 SMD RMCF0805/T100RCT-ND STACKPOLE RMCF 8 3 C35, C44, C48 10 UF CAP, CERM, 10 µF, 16 V, +/- 10%, X5R, 0805 587-1295-1-ND TAIYO EMK2 9 12 D12, D13, D26, D27, D28, D29 DIODE DIODE SWITCHING 75V 0.15A SOD523 1N4148XTPMSCT-ND MICRO COMM 1N 10 2 D6, D7 DIODE DIODE SWITCHING 75V 0.15A SOD523 1N4148XTPMSCT-ND FARCHILD 1N 11 C55 1 UF AP CER NUF 25V 106X X70 603 445-5956-1-ND TOK C1068XT	MCG08051100K 0805 032RYSV9BB104 0603 KCP0805JT100R 0805 K212B1J06KC-T 0805 1N4148X-TP SOD523 1N4148X-TP SOD523 IX7R1E105K080AB 0603 ECA-1AN222 Through-hole	
6 7 C5, C16, C22, C29, C31, C32, C81 0.1 UF CAP CER 0.1 UF SOV YSV 0603 311-1343-1-ND YAGEO CC0603 7 1 R19 10 OHM RES 10 OHM 1/SW 5% 0805 SMD RMCF0805/IT10R0CT-ND STACKPOLE RMCF 8 3 C35, C44, C48 10 UF CAP, CERM, 10 μF, 16 V, +/- 10%, X5R, 0805 587-1295-1-ND TAIYO EMK2 D2, D3, D4, D5, D10, D11, 9 12 D12, D13, D26, D27, D28, D29 DIODE DIODE SWITCHING 75V 0.15A SOD523 1N4148XTPMSCT-ND MICRO COMM 1N 10 2 D6, D7 DIODE DIODE GEN PURP 75V 150MA SOD323F 1N4148XTPSCT-ND FAIRCHILD 11 11 1 C55 1UF AP CER 1UF 25V 10% X7R 0603 445-5956-1-ND TOK C1608X7	032ZHYSV9BB104 0603 1CF0805JT10R0 0805 1CF0805JT10R0 0805 1M212B1106KG-T 0805 1N4148X-TP SOD523 1M4148WS SOD323F 1X7R1E105K080AB 0603 2G2KHXSK6BB475 0603	
7 1 R19 10 OHM RES 10 OHM 1/8W 5% 0805 SMD RMCF0805JT10R0CT-ND STACKPOLE RNCF 8 3 C35, C44, C48 10 UF CAP, CERM, 10 UF, 16 V, +', 10%, X5R, 0805 S87-1295-1-ND TAIYO EMK2 9 12 D12, D1, AV, D5, D10, D11, D10DE D10DE SWITCHING 75V 0.15A SOD523 1N4148XFMSCT-ND MICRO COMM 1N 10 2 D6, D7 D10DE D10DE GEN PURP 75V 150MA SOD323F 1N4148XFMSCT-ND FAIRCHILD 1N 11 1 C55 1UF AP CER IUF 25V 10% X7R 6603 445-5956-1-ND TOK C1608X7	MCF0805JT10R0 0805 K212B1106KG-T 0805 1N4148X-TP SOD523 1N4148WS SOD323F XX7R1E105K080AB 0603 ECA-14M222 Through-hole j03KRXSR6BB475 0603	
8 3 C35, C44, C48 10 UF CAP, CERM, 10 µF, 16 V, +/- 10%, XSR, 0805 S87-1295-1-ND TAIYO EMX2 D2, D3, D4, D5, D10, D11, 9 12 D12, D13, D26, D27, D28, D29 DIODE DIODE SWITCHING 75 V 0.15A SOD523 1N4148XTPMSCT-ND MICRO COMM 1N 10 2 D6, D7 DIODE DIODE GEN PURP 75 V 150MA SOD323F 1N4148WSFSCT-ND FAIRCHILD 11 11 1 C55 1UF AP CER 1UF 25 V 10% X7R 0603 445-5956-1-ND TDK C1608X7	K212BJ106KG-T 0805 1N4148X-TP SOD523 1N4148WS SOD323F XX7R1E105K080AB 0603 ECA-1AM222 Through-hole 003KRX5K68B475 0603	
D2, D3, D4, D5, D10, D11, D10DE D10DE SWITCHING 75V 0.15A SOD523 1N4148XTPMSCT-ND MICRO COMM 1N	1N4148X-TP SOD523 1N4148WS SOD323F X7R1E105K080AB 0603 ECA-1AM222 Through-hole 603KRXSR6BB475 0603	
9 12 D12, D13, D26, D27, D28, D29 DIODE DIODE SWITCHING 75V D15A SOD523 1N4148XTFMSCT-ND MICRO COMM 1N 10 2 D6, D7 DIODE DIODE GION FOR SOD323F 1N4148W5FSCT-ND FAIRCHILD 1n 11 1 C55 1UF AP CER IUF 25V 10% X7R 6603 445-5956-1-ND TOK C1608X7	1N4148WS SOD323F 8X7R1E105K080AB 0603 ECA-1AM222 Through-hole 603KRX5R6BB475 0603	
10 2 D6, D7 DIODE DIODE GEN PURP 75V 150MA SOD323F 1N4148WSFSCT-ND FAIRCHILD 1N 11 1 CS5 1UF AP CER 1UF 25V 10% X7R 0603 445-5956-1-ND TDK C1608X7	1N4148WS SOD323F 8X7R1E105K080AB 0603 ECA-1AM222 Through-hole 603KRX5R6BB475 0603	
11 1 CSS 1UF AP CER 1UF 2SV 10% X7R 0603 445-5956-1-ND TDK C1608X7	XXR1E105K080AB 0603 ECA-1AM222 Through-hole 503KRX5R6BB475 0603	
	ECA-1AM222 Through-hole 503KRX5R6BB475 0603	
12 3 C39, C42, C46 2200uF CAP ALUM 2200UF 20% 10V RADIAL P5128-ND PANASONIC EC	603KRX5R6BB475 0603	
15 3 C41, C45, C47 470n CAP FILM 0.47UF 5% 630VDC RADIAL P14532-ND PANASONIC ECC	ECQ-E6474JF Through-hole	
	X5R1E476M160AC 1206	
	ZV55-B6V2,115 SOD80C	
ACT, JP14, JP15, JP16 , REACT, AFE1_EN, AFE2_EN,		
18 8 AFE3_EN 2-PIN CONNECTOR CONN HEADER VERT SGL 2POS GOLD 3M9447-ND 3M 9611	51102-6404-AR Through-hole	
AFEPWR1, AFEPWR3, AFE1_EXTRA,		
19 9 AFE2_EXTRA, AFE3_EXTRA, HOST_EXTRA, LOGIC1, LOGIC2 3-PIN CONNECTOR CONN HEADER VERT SGL 3POS GOLD 3M9448-ND 3M 9611	51103-6404-AR Through-hole	
AFE1_COMM, AFE2_COMM, AFE3_COMM1,		
HOST_COMM2, HOST_COMM3, AFE1_JTAG, AFE2_JTAG,		
	1104-6404-AR Through-hole	
	EVQ-11L05R Through-hole	
	ED120/2DS Through-hole	
23 1 RS1 RS-232 CONNECTOR CONN D-SUB RCPT R/A 9POS 30GOLD A32119-ND TE CONN 55	5747844-6 Through-hole	
24 3 D8, D9, D16 LLSD103B DIODE SCHOTTKY 40V 350MA MINMELF 497-3274-1-ND st LL:	LLSD103B-7 MINMELF	
25 3 LED_PHASE_1, LED_PHASE_3 YELLOW LED LED 3.1MM 585NM YELLOW TRANSP 511-1251-ND ROHM SLF	SLR-342YC3F Through-hole	
26 2 LED_ACT, LED_REACT GREEN LED LED 3.1MM 563NM GREEN TRANSP 511-1247-ND ROHM SLR	SLR-342MC3F Through-hole	
27 3 R2, R41, R63 VARISTOR VARISTOR VARISTOR 495-1417-ND TDK S	S20K275 20 MM Radial	
28 3 TVS1, TVS2, TVS3 DIODE DIODE TVS 5.0V 400W BI 5% SMD SMAJS.0CABCT-ND BOURNS SM	SMAJ5.0CA SMD	
29 1 LCD1 LCD 160-segment LCD Custom LCD Custom LCD	Custom Custom	Custom LCD
30 1 U3 LDO IC REG LDO 3.3V 0.15A SOT23-5 296-35483-1-ND TI TPS:	PS70933DBVR SOT23-5	
	3232EQPWRQ1 16TSSOp	
	LV70433DBVT SOT23-5	
	2200T32768DZBT SMD	
	88R61H105KE13D 0603	
	033C104JAT2A 0603	
36 1 DNP DNP DNP DNP DNP	DNP 8SOIC	
	ISO7721DR 8SOIC	
	ISO7731DW 16SOIC	
	235010	
39 6 C34, C43, C77, C80, C87, C90 15nF CAP CER 150PF 50V C0G 0603 445-1283-1-ND TDK C1608C0	8C0G1H151J080AA 0603	
	ICF0603FG1K00 0603	<u> </u>
40 10 K3, R34, R36, R37, R40, R41, R35, R00, R02, R22 1K RESSWID IN URB 1, JUW 0003 RWICHOUSTSTAUDITEND SIGKDOOF RWICH	DNP 0603	DNP
	RJ-3GEYJ272V 0603	DIVI
	RA-3AEB203V 0603	
	RJ-3GEYJ334V 0603	
	03ZRY5V6BB475 0603	
	0F474ZA8NNNC 0603	
	RJ-3EKF4702V 0603	
TO STATE OF THE ST	0003	
48 12 C26, C27, C36, C38, C59, C79, C79, C85, C66, C88, C89 47pF CAP CER 47PF 50V C0G 0603 445-1277-1-ND TDK C1608C0	8C0G1H470J080AA 0603	
40 14 (40) 447-127/1-140 IDK C10000	0003	Note that this design could work with the MSP430i2020 or
		MSP430i2030 for lower cost. However, the MSP430i2041
49 3 U4, U10, U11 MSP430i2020 IC MCU 16BIT 32KB FLASH 28TSSOP 296-40426-1-ND TI MSP43	P430I2041TPWR TSOP-28	was particularly used.
י בי די אינער אינע	430120411FWN 13UP-28	was particularly used.

	T T		T				Manufacturer	т —	
Item	Qty	Reference	Value	Part Description	Digikey Part Number	Manufacturer	Part Number	PCB Footprint	Note
		R/L1, R/L2, R/L5, R/L6, R/L7, R/L9, R/L3, R/L4,							
		R/L8, R/L10, R44, R47, R64, R65, R71, R72, R73, R74, R75,							
50	22	R76, R77, R78	0.0 OHM	RES 0.0 OHM 1/10W 0603 SMD	RMCF0603ZT0R00CT-ND	STACKPOLE	RMCF0603ZT0R00	0603	
51	9	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9	Do not populate	Do not populate	Do Not Populate	Do not populate	Do not populate	0603	
52	1	C18	100n	CAP CER 0.1UF 10V X5R 0402	445-4984-1-ND	TDK	C1005X5R1A104M050BA	0402	
53	1	C28	1n	CAP CER 1000PF 50V X7R 0402	445-1256-1-ND	TDK	C1005X7R1H102K050BA	10POS	
54	2	C6, C7	18pF	CAP CER 18PF 50V COG 0402	445-1238-2-ND	TDK	C1005C0G1H180J050BA	0402	
55	1	R24	47k	RES 47.0K OHM 1/16W 1% 0402 SMD	311-47.0KLRCT-ND	Yageo	RC0402FR-0747KL	0402	
56	1	R23	91kOhm, 0.1%, 25ppm/C	RES 91K OHM 1/8W 0.1% 0805 SMD	P91KDACT-ND	Panasonic	ERA-6AEB913V	0805	
57	1	JTAG	JTAG	CONN HEADER 10POS DUAL VERT	SAM8909-ND	Samtec	FTSH-105-01-F-D-K		
58	1	MSP1	MSP432P4111	IC MCU 32BIT	N/A	TI	MSP432P4111IPZ	PZ	Samples of the 432 were obtained internally for this design
59	1	Q1	Q1	CRYSTAL 48.00 MHZ 10.0PF SMD	FA-238 48.0000MB-K3-ND	Epson	FA-238 48.0000MB-K3	SMD	
60	1	AFE1_ID0	0.0 OHM	RES 0.0 OHM 1/8W 0805 SMD	RMCF0805ZT0R00CT-ND	STACKPOLE	RMCF0805ZT0R00	0805	Place resistor on center pad and pad that says "0"
61	1	AFE1_ID1	0.0 OHM	RES 0.0 OHM 1/8W 0805 SMD	RMCF0805ZT0R00CT-ND	STACKPOLE	RMCF0805ZT0R00	0805	Place resistor on center pad and pad that says "0"
62	1	AFE2_ID0	0.0 OHM	RES 0.0 OHM 1/8W 0805 SMD	RMCF0805ZT0R00CT-ND	STACKPOLE	RMCF0805ZT0R00	0805	Place resistor on center pad and pad that says "1"
63	1	AFE2_ID1	0.0 OHM	RES 0.0 OHM 1/8W 0805 SMD	RMCF0805ZT0R00CT-ND	STACKPOLE	RMCF0805ZT0R00	0805	Place resistor on center pad and pad that says "0"
64	1	AFE3_ID0	0.0 OHM	RES 0.0 OHM 1/8W 0805 SMD	RMCF0805ZT0R00CT-ND	STACKPOLE	RMCF0805ZT0R00	0805	Place resistor on center pad and pad that says "0"
65	1	AFE3_ID1	0.0 OHM	RES 0.0 OHM 1/8W 0805 SMD	RMCF0805ZT0R00CT-ND	STACKPOLE	RMCF0805ZT0R00	0805	Place resistor on center pad and pad that says "1"
66	3	INB_SEL1, INB_SEL2, INB_SEL3	0.0 OHM	RES 0.0 OHM 1/8W 0805 SMD	RMCF0805ZT0R00CT-ND	STACKPOLE	RMCF0805ZT0R00	0805	Place resistor on center pad and pad that says "UTSI"
67	3	OUTC_SEL1, OUTC_SEL2, OUTC_SEL3	0.0 OHM	RES 0.0 OHM 1/8W 0805 SMD	RMCF0805ZT0R00CT-ND	STACKPOLE	RMCF0805ZT0R00	0805	Place resistor on center pad and pad that says "URSO"
		AFE1_OPT1, AFE1_OPT2, AFE1_OPT3, AFE2_OPT1,							
		AFE2_OPT2, AFE2_OPT3, AFE3_OPT1, AFE3_OPT2,							
68	9	AFE3_OPT3,	Do not populate	Do not populate	Do Not Populate	Do not populate	Do not populate	0805	
69	6	C2, C9, C50, C74, C91, C94	Do not populate	Do not populate	Do Not Populate	Do not populate	Do not populate	0603	
70	1	CLK_GEN	Do not populate	Do not populate	Do Not Populate	Do not populate	Do not populate	Clk	
71	6	C68, C69, C70, C71, C72, C73	Do not populate	Do not populate	Do Not Populate	Do not populate	Do not populate	0805	
72	1	C14	Do not populate	Do not populate	Do Not Populate	Do not populate	Do not populate	0805	
73	7	R1, R11, R12, R13, R14, R48, R66	Do not populate	Do not populate	Do Not Populate	Do not populate	Do not populate	0603	
74	1	U9	Do not populate	Do not populate	Do Not Populate	Do not populate	Do not populate	DCU	
75	1	R18	75k	RES SMD 75K OHM 5% 1/8W 0805	RMCF0805JT75K0CT-ND	STACKPOLE	RMCF0805JT75K0	0805	
76	1	L2	4.7uH	INDUCTOR 4.7UH 300MA 0806	490-4044-1-ND	Murata	LQH2MCN4R7M02L	LQM2MP_G0	

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