

# Bill of Materials

TI DESIGNS

TIDM-AUX-MODULE

Item	Qty	Reference	Value	Part Description	Digikey Part Number
1	9	CB2, CB3, CBOUT	-	CONN HEADER VERT SGL 2POS GOLD	3M9447-ND
2	10	DGND, AUX1_HDR, AUX2_HDR, DBG_HDR, AUX3_HDR, DVCC_HDR, DGND_HDR, VDSYS_HDR, SCAP_DC, EXT_DC	-	CONN HEADER VERT SGL 4POS GOLD	3M9449-ND
3	2	AUX2_LED, LED2	Orange	LED 3.1MM 610NM ORANGE TRANSP	511-1245-ND
4	2	DVCC_LED, LED4	Green	LED 3.1MM 563NM GREEN TRANSP	511-1247-ND
5	2	AUX3_LED, LED1	Red	LED 3.1MM 650NM RED TRANSPARENT	511-1249-ND
6	2	AUX1_LED, LED3	Yellow	LED 3.1MM 585NM YELLOW TRANSP	511-1251-ND
7	1	MSP430F6779A	MSP430F67791AIPEU		Will be Provided by TI
8	7	BTN1, BTN2, RESET, CAP0_A, CAP0_B, CAP1_A, CAP1_B	-	SWITCH TACTILE SPST-NO 0.02A 15V	P8079SCT-ND
9	9	CAP0_SEL, CAP1_SEL, JTG_SEL1, JTG_SEL3, JTG_SEL5, JTG_SEL7, JTG_SEL8, JTG_SELR, RST_SEL	-	CONN HEADER VERT SGL 3POS GOLD	3M9448-ND
10	2	CLOCK, UART	-	CONN HEADER VERT SGL 5POS GOLD	961105-6404-AR
11	1	LCD1	TI_160SEG_LCD		Will be Provided by TI
12	1	XT1	32.768 kHz	CRYSTAL 32.768 KHZ 6PF SMD	300-8341-1-ND
13	1	JTAG	-	CONN HEADER 14 POS STRGHT GOLD	MHC14K-ND
14	7	D1, D2, D3, D4, D6, D7, D8	-	DIODE SCHOTTKY 30V 0.2A LLDS	568-1609-1-ND
15	1	IC3	TPS77033	IC REG LDO 3.3V 50MA SOT23-5	296-11051-1-ND
16	1	ZD4	5.1V	DIODE ZENER 5.1V 500MW LLDS	568-4874-1-ND
17	1	C5	10uF	CAP TANT 10UF 6.3V 20% 1206	399-3685-1-ND
18	2	C6, C7	0.1uF	CAP CER 0.1UF 50V 20% Y5V 0603	311-1366-1-ND
19	1	C8	2200uF	CAP ALUM 2200UF 10V 20% RADIAL	P5128-ND
20	8	C22, C24, C26, C29, C32, C34, C35, C49	4.7uF	CAP CER 4.7UF 10V 10% X5R 0603	311-1455-1-ND
21	10	C23, C25, C27, C28, C30, C31, C33, C36, C43, C53	100nF	CAP CER 0.1UF 50V Y5V 0603	311-1343-1-ND
22	2	C37, C40	12pF	CAP CER 12PF 50V 5% NPO 0603	311-1059-1-ND (alt: 1276-1254-1-ND)
23	2	C38, C44	0.47uF	CAP CER 0.47UF 16V 10% X7R 0603	311-1428-1-ND

Item	Qty	Reference	Value	Part Description	Digikey Part Number
24	1	C10	1F	CAP SUPER 1F 5.5V AXIAL	338-3569-ND
25	1	R13	100Ω	RES 100 OHM 1/10W 5% 0603 SMD	RMCF0603JT100RCT-ND
26	8	R54, R55, R56, R57, R58, R59, R60, R61	1kΩ	RES 1K OHM 1/10W 5% 0603 SMD	RMCF0603JT1K00CT-ND
27	6	R5, R8, R49, R50, R52, R53	100kΩ	RES 100K OHM 1/8W 5% 0805 SMD	RMCF0805JT100KCT-ND
28	3	R42, R43, R46	560kΩ	RES TF 560K OHM 1% 0.125W 0805	RMCF0805FT560KCT-ND
29	1	R36	10Ω	RES 10 OHM 1/8W 5% 0805 SMD	RMCF0805JT10R0CT-ND
30	1	R7	DNP		
31	1	R4	0	RES 0.0 OHM 1/8W 0805 SMD	RMCF0805ZT0R00CT-ND
32	1	R48	330Ω	RES 330 OHM 1/10W 5% 0603 SMD	RMCF0603JT330RCT-ND
33	1	R51	47kΩ	RES 47K OHM 1/10W 5% 0603 SMD	RMCF0603JT47K0CT-ND
34	4	R6, R10, R11, R12	0	RES 0.0 OHM 1/10W 0603 SMD	RMCF0603ZT0R00CT-ND
35	6	AUX1_SEL, AUX2_SEL, AUX3_SEL	-	CONN HEADER VERT SGL 3POS GOLD	3M9448-ND
36	3	BATT1, BATT2, BATT3		HOLDER BATTERY 2CELL AAA PC MNT	2468K-ND
37	1	D5	0	RES 0.0 OHM 1/4W JUMP 1206 SMD	311-0.0ERCT-ND

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