

Bill of Materials

TI DESIGNS
TIDM-PSFB
Literature #

Item	Macro Name	Ref. Des	Type	Description	# needed per macro	Digikey Part #	Mouser Part #	Newark	Comments
1	Main	C1	C	Cap. Tantalum, 15uf, 16V, 20% 1206 SMD	1	511-1501-1-ND			
2	Main	C2	C	Cer. Cap - 10uf, 10V, X5R, 0805	1	PCC2403CT-ND			
3	Main	C3	C	Cer. Cap - 6800pf, >10V, 0805	1				
4	Main	C4, C5	C	Cer. Cap - 3n3, >10V, 0805	2				
5	Main	C6	C	Cer. Cap - 1uf, >10V, 0805	1				
6	Main	C7	C	Cer. Cap - 330pf, >10V, 0805	1				
6	Main	R1	R	Res. - 1.87K, 1%, 0.1W, 0805	1	RHM1.87KCRC T-ND			
7	Main	R2	R	Res. - 560R, 1%, 1/8W, 0805 SMD	1	RHM560CCT- ND			
8	Main	R3	R	Res. - 9.09K, 1%, 1/8W, 0805	1				
9	Main	R4	R	Res. - 2.37K, 1%, 1/8W, 0805 SMD	1				
10	Main	R5, R6, R7, R8	R	Res. - 1K, 1%, 1/8W, 0805 SMD	4				
11	Main	R9	R	*DNP	1				NON POP
12	Main	H1	H	Conn Header 14POS 2MM RT ANG TIN	1	H10249-ND			
13	Main	M3	P	PTH08080	1	296-20432-ND			
14	Main	LD1	LD	LED, green, 0805	1	404-1021-1			
15	Main	J1	J	Standard 0.1" SIL headers, cut to fit, total needed 1x2	1				
16	Main	J2,J3	J	Standard 0.1" SIL headers, cut to fit, total needed 2x8	2				
17	Main	J4	J	Standard 0.1" SIL headers, cut to fit, total needed 2x4	1				

# needed									
Item	Macro Name	Ref. Des	Type	Description	per macro	Digikey Part #	Mouser Part #	Newark	Comments
18	Main	D1, D2, D3	D	DIODE ARRAY SW QUAD 200MW SC70-6	3	BAW567DW- FDICT-ND			
19	USBmini-JTAG- ISO	C1, C4, C5	C	Cer. Cap - 1u, 6.3V, X5R, 0603	3	PCC2174CT-ND			
20	USBmini-JTAG- ISO	C2	C	Cer. Cap - 2u2, 6.3V, X5R, 0603	1	490-1551-1-ND			
21	USBmini-JTAG- ISO	C3, C6-C16	C	Cer. Cap - 100n, 16V, X7R, 0603	12	GRM188R71C1 04KA01D			
22	USBmini-JTAG- ISO	C17	C	Cer. Cap - 0.1uf, 100V, 20% , Axial	1	478-3154-1-ND			
23	USBmini-JTAG- ISO	J5	J	Standard 0.1" SIL headers, cut to fit, total needed 1x8	4				
24	USBmini-JTAG- ISO	JP1	JP	Connector - USB Mini	1	H2961CT-ND			
25	USBmini-JTAG- ISO	L1	L	Inductor, 22uH, 0805	2	490-4030-1			
26	USBmini-JTAG- ISO	LD1	LD	LED, green, 0805	1	404-1021-1			
27	USBmini-JTAG- ISO	R1	R	Res. - 470R, 5%, 0.1W, 0603	1	RHM470GCT- ND			
28	USBmini-JTAG- ISO	R2, R3	R	Res. - 27R, 5%, 0.1W, 0603	2	RHM27GCT-ND			
29	USBmini-JTAG- ISO	R4, R6	R	Res. - 2K2, 5%, 0.1W, 0603	5	RHM2.2KGCT- ND			
30	USBmini-JTAG- ISO	R5	R	Res. - 1M, 1%, 0.1W, 0603	1	RHM1.00MHCT- ND			
31	USBmini-JTAG- ISO	R7	R	Res. - 10K, 5%, 0.1W, 0603	1	RHM10KGCT- ND			
32	USBmini-JTAG- ISO	R8,R11	R	Res. - 1K, 5%, 0.1W, 0603	2	RHM1.0KGCT- ND			
33	USBmini-JTAG- ISO	DA1	DA	Diode Array, Quad, SOT363	1	BAW567DW- FDICT-ND			
34	USBmini-JTAG- ISO	U1	U	FTDI UART/FIFO Dual, 48-LQFP	1	768-1010-1-ND			
35	USBmini-JTAG- ISO	U2	U	EEPROM, SOT23-6	1	93LC46BT- I/OTCT-ND			
36	USBmini-JTAG- ISO	U3	U	DFF - LVC2G74	1	296-13273-1-ND	595-SN74LVC2G74DCTR		
37	USBmini-JTAG- ISO	U4	U	LDO - 3.3V - TPS73033	1	296-17580-1-ND	595-TPS73033DBVR		

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Item	Macro Name	Ref. Des	Type	Description	#	Digikey Part #	Mouser Part #	Newark	Comments
38	USBmini-JTAG-ISO	U5	U	Digital Isolator, Quad 4/0, 25Mbps	1		595-ISO7240CDW		
39	USBmini-JTAG-ISO	U6	U	Digital Isolator, Quad 2/2, 25Mbps	1		595-ISO7242CDW		
40	USBmini-JTAG-ISO	X1	X	Resonator - 6MHz	1	490-1218-1-ND			
41	Piccolo-A Macro	U1	U	Piccolo A Microcontroller 48pin LQFP	1	296-24123-ND			
42	Piccolo-A Macro	R1, R6	R	Res. - 2K7, 5%, 0.1W, 0603	1	RHM2.70KHCT-ND			
43	Piccolo-A Macro	R2,R4	R	Res. - 47K, 5%, 0.1W, 0603	2	RHM47.0KHCT-ND			
44	Piccolo-A Macro	R3	R	Res. - 4K7, 5%, 0.1W, 0603	1	RHM4.70KHCT-ND			
45	Piccolo-A Macro	R5	R	Res. - 1K, 5%, 0.1W, 0603	1	RHM1.00KHCT-ND			
46	Piccolo-A Macro	LD1	LD	LED, green, 0805	1	404-1021-1			
47	Piccolo-A Macro	C1	C	Cer. Cap - 4u7, 6.3V, X5R, 0603	1	PCC2318CT-ND			
48	Piccolo-A Macro	C2,C3	C	Cer. Cap - 2u2, 6.3V, X5R, 0603	2	490-1551-1-ND			
49	Piccolo-A Macro	C4,C5	C	Cer. Cap - 2u2, 6.3V, X5R, 0603	2	490-1551-1-ND			
50	Piccolo-A Macro	C6,C7,C8,C9,C10,C11,C12,C13,C14,C15.,C16,C17,C18	C	Cer. Cap - 3n3, 6.3V, X5R, 0603	13	PCC1778CT-ND			NON POP
51	Piccolo-A Macro	L1	L	FERRITE BEAD 60 OHM 0805	1	587-1932-1-ND			
52	Piccolo-A Macro	L2	L	FERRITE CHIP 220 OHM 2000MA 0603	1	240-2558-1-ND			
53	Piccolo-A Macro	R7	R	Res. - 0R, 5%, 0.1W, 0603	1	RHM0.0GCT-ND			

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