

		BILL OF MATERIAL								
		STEVAL-IPM10B								
Item	Qty	Reference	Part/Value	Tol %	Voltage/Current	Watt	Technology Information	Package	Manufacturer	Manufacturer Code
1	4	C2,C22,C26,C28	10 nF	±10	50V	-	Ceramic Multilayer Capacitors	Capacitor, SMD 1206	AVX	12065C103KAT2A
2	9	C10,C11,C14,C15, C17,C18,C35,C36, C37	10 pF	±10	100V	-	Ceramic Multilayer Capacitors	Capacitor, SMD 1206	AVX	12061A100JAT2A
3	4	C20,C25,C29,C31	330 pF	±10	50V	-	Ceramic Multilayer Capacitors	Capacitor, SMD 1206	AVX	12065A331JAT2A
4	3	C5,C6,C7	2.2 uF	±10	25V	-	Ceramic Multilayer Capacitors	Capacitor, SMD 1206	Murata	GCM31MR71E225KA57L
5	6	C8,C13,C23,C32, C33,C34	100 nF	±10	50V	-	Ceramic Multilayer Capacitors	Capacitor, SMD 1206	AVX	12065C104KAZ2A
6	2	C12,C21	4.7 uF	±10	50V	-	Electrolytic Capacitor	Elyt. capacitor, 4x4	any	any
7	2	C19,C16	1 nF	±10	50V	-	Ceramic Multilayer Capacitors	Capacitor, SMD 1206	Kemet	C1206C102K5RACTU
8	1	C9	0.1 uF	±10	630V	-	Ceramic Multilayer Capacitors	Capacitor, SMD 1812	Murata	GRM43DR72J104KW01L
9	3	C24,C27,C30	100 pF	±10	100V	-	Ceramic Multilayer Capacitors	Capacitor, SMD 1206	Kemet	C1206C101J1GACTU
10	2	C3,C4	47 uF	±10	50V	-	Electrolytic Capacitor	Elyt. capacitor, 4x4	any	any
11	5	D1,D3,D4,D5 D6	Diode BAT48J	-	-	-	-	Schottky Diode, SOD323	STMicroelectronics	BAT48J
12	1	D2	LED Red	-	-	-	-	LED 3 mm, 2 mA, universal	Ledtech	L4RR3000G1EP4
13	1	J2	Connector 34P	-	-	-	-	445-6043-2-ND connector 34-pin	RS	625-7347
14	1	J3	Connector - 7,5 mm - 3P	-	400V	-	-	Connector - 7 mm - 3 pole	TE Connectivity AMP Connectors	282845-3
15	1	J4	Conector - 5 mm - 2P	-	50V	-	-	Connector - 5 mm - 2 pole	Phoenix Contact	1935161
16	1	J1	Conector - 7.5 mm - 2P	-	300V	-	-	Connector - 7 mm - 2 pole	On Shore Technology Inc	OSTVI024152
17	1	J5	Connector - 2.54 mm - 5P	-	63V	-	-	Five pins of pin header	RS	W81136T3825RC
18	2	R1,R2	470 kΩ	±1	400V	1/8	metal film SMD resistor	Resistor, SMD 1206	any	any
19	1	R4	7.5 kΩ	±1	400V	1/8	metal film SMD resistor	Capacitor, SMD 1206	Panasonic	ERJP08F7501V
20	1	R3	120 Ω	±1	400V	1/8	metal film SMD resistor	Resistor, SMD 1206	any	any
21	3	R7,R13,R17	3.9 kΩ	±1	25V	1/8	metal film SMD resistor	Resistor, SMD 1206	any	any
22	21	R5,R6,R8,R9, R14,R15,R19,R20, R23,R30,R32,R31, R18,R21,R24,R36, R35,R41,R42,R40, R37	1 kΩ	±1	25V	1/8	metal film SMD resistor	Resistor, SMD 1206	any	any
23	3	R11,R16,R22	3.3 kΩ	±1	25V	1/8	metal film SMD resistor	Resistor, SMD 1206	any	any
24	1	R28	10 kΩ	±1	25V	1/8	metal film SMD resistor	Resistor, SMD 1206	any	any
25	1	R10	12 kΩ	±1	25V	1/8	metal film SMD resistor	Resistor, SMD 1206	any	any
26	6	R29,R33,R34,R38, R39,R43	2.1 kΩ	±1	25V	1/8	metal film SMD resistor	Resistor, SMD 1206	any	any

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27	1	R12	5.6 kΩ	±1	25V	1/8	metal film SMD resistor	Resistor, SMD 1206	any	any
28	3	R25,R26,R27	0,06 Ω	-	-	2	metal film SMD resistor	Resistor, SMD 2816	Vishay / Dale	WSL2816R0600FEH
29	6	R44,R45,R46,R50, R51,R52	4.7 kΩ	±1	25V	1/8	metal film SMD resistor	Resistor, SMD 1206	any	any
30	3	R47,R48,R49	2.4 kΩ	±1	25V	1/8	metal film SMD resistor	Resistor, SMD 1206	any	any
31	6	SW1,SW2,SW3,SW4, SW9,SW16	Jumper 2.54	-	-	-	-	Three pins of pin header	RS	W81136T3825RC
32	6	SW10,SW11,SW12,SW13, SW14,SW15	Jumper 2.54	-	-	-	-	Two pins of pin header	RS	W81136T3825RC
33	12	-	2.54mm,low profile,connec	-	-	-	-	-	RS	881545-2
34	2	SW7,SW8	Solder Bridge	-	-	-	-	-	-	-
35	2	SW5,SW6	open	-	-	-	-	-	-	-
36	26	TP1,TP2,TP3,TP4, TP5,TP6, TP7,TP8, TP9,TP10,TP11,TP12, TP13,TP14,TP15,TP16, TP17,TP18,TP19,TP20, TP21,TP22,TP23,TP24,	PCB terminal 1mm	-	-	-	-	Test pin	KEystone	5001
37	1	U1	TSV994	-	-	-	-	Op amp, SO14	STMicroelectronics	
38	1	U2	STGIB10CH60TS-L	-	-	-	-	STGIB10CH60TS-L	STMicroelectronics	STGIB10CH60TS-L
39	3	RC2,RC5,RC10	0 OHM	ANY	ANY	ANY		Resistor, SMD 0805	ANY	ANY
40	7	RC1,RC3,RC4,RC6,RC7,RC8, RC9	NOT ASSEMBLY		NOT ASSEMBLY		NOT ASSEMBLY	NOT ASSEMBLY	NOT ASSEMBLY	NOT ASSEMBLY
41	9	to close switch for: SW1, SW2, SW3, SW4, SW9, SW10, SW11, SW12, SW16	-	-	-	-	Female Straight Black Handle, Open Top 2 Way 1 Row 2.54mm Pitch	-	TE Connectivity	1-881545-1