

Bill of Materials For PCB [STEVAL-MKI100V1 - Rev1_0]

Document reference: EK 4X5 G2A - Rev1_0 (LPY4150ALT2) - Rev1_0.PrjPCB	PCB reference: EK 4X5 G2A - Rev1_0 (LPY4150ALT2) - Rev1_0.PcbDoc
Company: www.st.com	
STMicroelectronics	

Index	Quantity	Reference	Value / Generic Part Number	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Supplier	Supplier's ordering code
C1	1	C1206_POL	10uF	C1206_POL			RS	624-2266
C2	1	C1206_POL	4.7uF	C1206_POL			DigiKey	399-3524-1-ND
C3	1	C1206_POL	4.7uF	C1206_POL			DigiKey	399-3524-1-ND
C4	1	CAP	100nF	0805			RS	237-7100
C5	1	CAP	100nF	0805			RS	237-7100
C6	1	CAP	100nF	0805			RS	237-7100
C7	1	CAP	100nF	0805			RS	237-7100
C8	1	CAP	47nF	0805			RS	237-7087
C9	1	CAP	220nF	0805			RS	220-8032
C10	1	C1206_POL	10uF	C1206_POL			RS	624-2266
C11	1	CAP	100nF	0805			RS	237-7100
C12	1	CAP	100nF	0805			RS	237-7100
C13	1	C1206_POL	10uF	C1206_POL			RS	624-2266
C14	1	CAP	220nF	0805			RS	220-8032
C15	1	CAP	220nF	0805			RS	220-8032
C16	1	C1206_POL	4.7uF 16V	C1206_POL			DigiKey	399-3524-1-ND
C17	1	C1206_POL	4.7uF 16V	C1206_POL			DigiKey	399-3524-1-ND
C18	1	C1206_POL	2.2uF	C1206_POL			RS	451-5786
C19	1	CAP	100nF	0805			RS	237-7100
C20	1	CAP	470nF	0805			RS	391-296
C21	1	CAP	10nF	0805			RS	624-2547
C24	1	CAP	33nF	0805			RS	237-7065
C25	1	CAP	33nF	0805			RS	237-7065
Cosc1	1	CAP	33pF	0805			RS	264-4264
Cosc2	1	CAP	33pF	0805			RS	264-4264
D1	1	LED_SMD	LED_SMDg	LED_SMD_0805			RS	466-3908
D2	1	LED_SMD_3C		LED_SMD_3C			RS	429-596
J1	1	USB_mini_B	USB_mini_B	USB_mini_B_NEW			RS	515-1995

J2	1	HEADER 5X2	ICP	HEADER_5X2_	RS	473-8254+3237845
J3	1	Header 8	Analog Out	A	RS	251-8632
J4	1	CON2	Power Supply	HDR1X4	RS	5473251 + 1809353
JP1	1	CON2	AO1	Header 1x2		5473251+1809353
JP2	1	BUTTON_SMT		2mm	RS	5473251 + 1809353
JP3	1	CON2	Current_Measure	Header 1x2	RS	5473251 + 1809353
JP4	1	CON2	ST	2mm	RS	5473251 + 1809353
JP5	1	CON2	PD	Header 1x3	RS	5473251 + 1809353
JP6	1	CON2	AO2	2mm	RS	5473251 + 1809353
JP7	1	Header 3	HP	Header 1x3	RS	5473251 + 1809353
JP8	1	Header 2X2	Header 2X2 2mm	2mm	RS	181-4894+1809353
JP9	1	Header 2X2	Header 2X2 2mm	Header 2X2	RS	181-4894+1809353
Q1	1	2STR2215	2STR2215	2mm	DigiKey	497-6206-1-ND
Q2	1	SO642	SO642	2STR2215	DigiKey	497-4650-1-ND
R1	1	RES1	180R	SO642	RS	223-0326
R2	1	RES1	100R	0805	RS	223-0297
R3	1	RES1	100R	0805	RS	223-0297
R4	1	RES1	10K	0805	RS	223-0562
R5	1	RES1	470R	0805	RS	223-0376
R6	1	RES1	1.5K	0805	RS	223-0449
R7	1	RES1	10K	0805	RS	223-0562
R8	1	RES1	1K	0805	RS	223-0427
R9	1	RES1	33K	0805	RS	223-0629
R10	1	RES1	10K	0805	RS	223-0562
R11	1	RES1	10K	0805	RS	223-0562
R12	1	RES1	10k	0805	RS	223-0562
R13	1	RES1	33K	0805	RS	223-0629
R16	1	RES1	10K	0805	RS	223-0562
R17	1	RES1	10K	0805	RS	223-0562
R18	1	CAP	0R	0805	RS	223-0146
R19	1	CAP	0R	0805	RS	223-0146
SW1	1	BUTTON_SMT	NReset	Button_Micro_S	RS	183-701
				MT		

SW2	1	BUTTON_SMT	BUTTON_SMT	Button_Micro_S MT LGA28		RS	183-701
U1	1	LPY4150ALT2_TLGA4x5x1.1MM	LPY4150ALT2	4X5X1.1MM	STM	ST	
U2	1	ST7265X_TQFP64	ST72F651AR6T1E	TQFP64_10x10		DigiKey	ST72F651AR6T1E-ND
U3	1	ST662ABD	ST662ABD	SO-G8		DigiKey	497-6541-1-ND
U4	1	LE30CD	LE30CD	SO-G8		DigiKey	497-8341-1-ND
Yoscm	1	CRYSTAL	12MHz	SXA		Distrelec	644816