

Bill of Materials For PCB [STEVAL-MKI101V1 - Rev1_0]

Document reference: EK 4X5 G2A - Rev1_0 (LPY450ALT2) - Rev1_0.PrjPCB	PCB reference: EK 4X5 G2A - Rev1_0 (LPY450ALT2) - 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_N EW HEADER_5X2_			RS	515-1995
J2	1	HEADER 5X2	ICP	A			RS	473-8254+3237845
J3	1	Header 8	Analog Out	HDR1X4 Header 1x2			RS	251-8632
J4	1	CON2	Power Supply	1mm			RS	5473251 + 1809353

JP1	1 CON2	AO1	Header 1x3 2mm				5473251+1809353
JP2	1 BUTTON_SMT		Header 1x2 2mm			RS	5473251 + 1809353
JP3	1 CON2	Current_Measure	Header 1x2 2mm			RS	5473251 + 1809353
JP4	1 CON2	ST	Header 1x3 2mm			RS	5473251 + 1809353
JP5	1 CON2	PD	Header 1x3 2mm			RS	5473251 + 1809353
JP6	1 CON2	AO2	Header 1x3 2mm			RS	5473251 + 1809353
JP7	1 Header 3	HP	Header 1x3 2mm			RS	5473251 + 1809353
JP8	1 Header 2X2	Header 2X2 2mm	Header 2x2 2mm			RS	181-4894+1809353
JP9	1 Header 2X2	Header 2X2 2mm	Header 2X2 2mm			RS	181-4894+1809353
Q1	1 2STR2215	2STR2215	2STR2215			DigiKey	497-6206-1-ND
Q2	1 SO642	SO642	SO642			DigiKey	497-4650-1-ND
R1	1 RES1	180R	0805			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 MT			RS	183-701
SW2	1 BUTTON_SMT	BUTTON_SMT	Button_Micro_S MT			RS	183-701
U1	1 LPY450ALT2_TLGA4x5x1.1MM	LPY450ALT2	LGA28 4X5X1.1MM	ST		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