

STEVAL-IFP014V1

Description	Comment	Designator	Footprint	Quantity	Supplier	Supplier Reference
Polarized Capacitor (Surface Mount)	10uF/16V	C13, C14	C3225[1210]	2		not assembled
Polarized Capacitor (Surface Mount)	10uF/16V	C3, C4, C10	C3225[1210]	3	GME	907-112
Capacitor	10pF_0603	C2	[0603]	1	GME	972-015
Capacitor	82nF_0603	C8	[0603]	1	GME	972-041
Capacitor	33pF_0603	C6, C7	[0603]	2	GME	972-019
Capacitor	100nF_0603	C5, C9, C11, C12, C17, C18, C19, C20, C21	[0603]	9	GME	972-012
Capacitor	330n_0805 / 25V	C15	[0805]	1	GME	not assembled
Capacitor	100n_0805 / 10V	C16	[0805]	1	GME	not assembled
Capacitor	470nF_0603	C22	[0603]	1	AVX	0603ZD474KAT2A
Capacitor	10nF_0603	C23	[0603]	1	GME	972-014
Capacitor	22nF_0603	C24	[0603]	1	GME	972-068
Capacitor	470pF_0603	C25	[0603]	1	GME	972-054
Capacitor	1uF/50V_1206	C1, C26	3216[1206]_TO_Wave_1	2	GME	905-152
Header, 20-Pin, Dual row	JTAG connector	CN1	HDR2X10key	1	GME (MLW20G)	800-036
Header, 2-Pin	Header 2	CN3	HDR1X2	1	GME	not assembled
Header, 4-Pin	Header 4	CN2	HDR1X4	1	GME (S1G05)	832-129
Header, 6-Pin, Dual row	Header 3X2	CN5	HDR2X3_no_text	1	GME (S2G20)	832-023
Header, 10-Pin, Dual row	Header 4X2	CN4	HDR2X5_no_text	1	GME (S2G20)	832-023
Header, 3-Pin	Header 3	SW1	HDR1X3	1	GME (S1G05)	832-129
LED Green	LED_GREEN_0805	D1	2012[0805]_TO_DIODE_wave	1	GME	960-023
LED Yellow	LED_YELLOW_0805	D2	2012[0805]_TO_DIODE_wave	1	GME	960-025
Inductor	10uH	L1	EPL2010	1	Coilcraft	EPL2010-103MLB
Resistor	68k_0603	R1, R10	[0603]	1	GME	901-525
Resistor	1k5_0603	R2, R16	1608[0603]	2	GME	901-504
Resistor	91k_0603	R14, R20	1608[0603]	2	Farnell	1469845
Resistor	12k_0603	R3	[0603]	1	GME	901-407
Resistor	470R_0603	R4	[0603]	1	GME	901-495
Resistor	4k7_0603	R6, R9	[0603]	2	GME	901-509
Resistor	10k_0603	R11, R15, R17, R18, R19, R21, R22	[0603]	7	GME	901-399
Resistor	0R_0603	R7	[0603]	1	GME	not assembled
Resistor	0R_0603	R5	[0603]	1	GME	901-396
Resistor Rbias 0.1%	124k_0603	R8	[0603]	1	Farnell	1160397
Resistor	560R_0603	R12, R13	[0603]	2	GME	901-497
NPN Transistor	BC847B	Q1, Q2	SOT-23	2	GME	BC847B / 912-016
Button	SW-PB Reset	RESET	Button_DT2112C	1	GME	P-DT2112C / 630-121
Digital MEMS Accelerometer	ST: LIS302DL	U1	LGA14AD	1	STMicroelectronics	LIS302DL
ASIC, IOLinkDevice	ST: L6361	U2	QFN50P350X500-26V2L	1	STMicroelectronics	L6361
Positive Voltage Regulator	ST: L78L33ACUTR	U3	SOT89	1	STMicroelectronics	not assembled
Gyro (Analog, Digital)	ST: LY530AL	U4	LGA16A	1	STMicroelectronics	LY530AL
Microcontroller 32kB QFN36 6x6mm Pitch 0.5mm	ST: STM32F103T6U6	U5	QFN36	1	STMicroelectronics	STM32F103T6U6
Crystal	TSX-3225 / 16MHz	X1	TSX-3225_FA-238	1	Epson Toycom	TSX-3225 / X1E000021011401

Not Assembled