

STEVAL-IFS006V2 BOM

Designator	Comment	Description	Footprint	LibRef	SupplierName	SupplierOrderCode	Note	Quantity
U1	TDE1708DFT	Intelligent power switch	DFN(4x4)	TDE1708DFT	STMicroelectronics	TDE1708DFT		1
U2	ST7LITEUS5	8-bit MCU with single voltage Flash memory, ADC, timers	DFN8	ST7LITEUS5	STMicroelectronics	ST7FLITEUS5U3		1
U3	SPT01	Automation Sensor Transient and Over Voltage Protection	QFN(3x3)	SPT01	STMicroelectronics	SPT01		1
C1, C3, C11	10nF	Capacitor	1608[0603]	Cap SMD	EPCOS	B37931A5103K0**		3
C2	100nF	Capacitor	2012[0805]	Cap SMD	EPCOS	B37941A5104K0**		1
C4, C5	100nF	Capacitor	1608[0603]	Cap SMD	EPCOS	B37931K0104K0**		2
C6	10uF/6.3V	Polarized Capacitor (Surface Mount)	C3225[1210]	Cap Pol (CTS 10M/6.3V B)	GM Electronic	907-109 (CTS 10M/6.3V B)		1
C7	10nF	Capacitor	2012[0805]	Cap SMD	EPCOS	B37941A1103K0**		1
C8, C13	1.5nF	Capacitor	1608[0603]	Cap SMD	EPCOS	B37931A5152K0**		2
C9	100pF	Capacitor	1608[0603]	Cap SMD	EPCOS	B37930A5101J0**		1
C10	47pF	Capacitor	1608[0603]	Cap SMD	EPCOS	B37930A5470J0**		1
C12	470pF	Capacitor	1608[0603]	Cap SMD	EPCOS	B37930A5471J0**		1
D1	Status LED	Typical RED, GREEN, YELLOW, AMBER GaAs LED	3.2X1.6X1.1	LED SMD	GM Electronic	960-043 (LED 1206 YELLOW 60/130)	1206, YELLOW	1
D2	Diag. LED	Typical RED, GREEN, YELLOW, AMBER GaAs LED	3.2X1.6X1.1	LED SMD	GM Electronic	960-044 (LED 1206 RED 45/130)	1206, RED	1
D3	BAS69-04W	Schottky Barrier Double Diode	SOT-323	BAS69-04W	STMicroelectronics	BAS69-04W		1
D4	1N4148	High Conductance Fast Diode	SOD80C	1N4148	GM Electronic	917-001 (1N4148 SMD)		1
L1	80uH	PS-Core Inductor	PS7.35X3.6	Inductor (B65933A0000X022)	Bohemia Electric	BS361		1
P1	HS	Header, 1-Pin	HDR1X1	Header 1X1	GM Electronic	832-090 (S1G20S)	1/20	1
P2	L+	Header, 1-Pin	HDR1X1	Header 1X1	GM Electronic	832-090 (S1G20S)	1/20	1
P3	L-	Header, 1-Pin	HDR1X1	Header 1X1	GM Electronic	832-090 (S1G20S)	1/20	1
P4	Con ICC	ICC Connector	MLW10G	Con ICC	GM Electronic	800-035 (MLW10G)		1
Q1	BC857B	PNP General-purpose Transistor	SOT-23	BC857B	GM Electronic	912-021 (BC857B)		1
R1	220K	Resistor	1608[0603]	Res SMD	GM Electronic	901-534 (R0603 220K 1%)		1
R2	5.6K	Resistor	1608[0603]	Res SMD	GM Electronic	901-510 (R0603 5K6 1%)		1
R3, R4	1.5K	Resistor	1608[0603]	Res SMD	GM Electronic	901-504 (R0603 1K5 1%)		2
R5, R6	10K	Resistor	1608[0603]	Res SMD	GM Electronic	901-399 (R0603 10K 1%)		2

Non electric components

		Screw			GM Electronic	662-005 (SKM3X6)		4
		Distance column			GM Electronic	623-084 (KDI6M3X08)		4