

STEVAL-IDS001V5

Quantity	Designator	Value	Type	Range	Tol	Footprint	Mnf	Part number	Frequency
1	ANT1	315/433/868/915 MHz	ANTENNA_2			ANTENNAAM11DGST01	Mitsubishi		
3	C1, C24, C25	1uF	Ceramic X5R	10V	±10%	SMD 0402	Murata	GRM155R61A105KE15D	
1	C2	100pF	Ceramic C0G	50V	±5%	SMD 0402	Murata	GRM1555C1H101JZ01D	
2	C3, C7	330pF	Ceramic C0G	50V	±5%	SMD 0402	Murata	GRM1555C1H331JA01D	
10	C4, C6, C21, C22, C23, C28, C29, C30, C32, C33	100nF	Ceramic X7R	16V	±10%	SMD 0402	Murata	GRM155R71C104KA88D	
1	C5	1uF	Ceramic X5R	10V	±10%	SMD 0402	Murata	GRM155R61A105KE15D	315
1		1uF	Ceramic X5R	10V	±10%	SMD 0402	Murata	GRM155R61A105KE15D	433
1		470nF	10V	Ceramic X5R	±10%	SMD 0402	Murata	GRM155R61A474KE15D	868
1		1uF	Ceramic X5R	10V	±10%	SMD 0402	Murata	GRM155R61A105KE15D	915
1	C8	1.8pF	Ceramic C0G	16V	±0.1pF	SMD 0402	Murata	GRM1555C1H1R8BA01D	315
1		1.8pF	Ceramic C0G	16V	±0.1pF	SMD 0402	Murata	GRM1555C1H1R8BA01D	433
1		1 pF	Ceramic C0G	16V	±0.1pF	SMD 0402	Murata	GRM1555C1H1R0BA01D	868
		Not Mounted				SMD 0402	Murata		915
1	C10	1.2pF	Ceramic C0G	50V	±0.1pF	SMD 0402	Murata	GRM1555C1H1R2BA01D	315
		Not Mounted				SMD 0402	Murata		433
		Not Mounted				SMD 0402	Murata		868
		Not Mounted				SMD 0402	Murata		915
1	C11	12pF	Ceramic C0G	50V	±5%	SMD 0402	Murata	GRM1555C1H120JZ01D	315
1		8.2pF	Ceramic C0G	50V	±0.1pF		Murata	GRM1555C1H8R2BA01D	433
		Not Mounted					Murata		868
1		7pF	Ceramic C0G	50V	±0.5pF		Murata	GRM1555C1H7R0DZ01D	915
1	C12	27pF	Ceramic C0G	50V	±5%	SMD 0402	Murata	GRM1555C1H270JZ01D	315
1		18pF	Ceramic C0G	50V	±5%		Murata	GRM1555C1H180JZ01D	433
1		8.2pF	Ceramic C0G	50V	±0.1pF		Murata	GRM1555C1H8R2BA01D	868
		2.4pF	Ceramic C0G	16V	±0.1pF	SMD 0402	Murata	GRM1555C1H2R4DZ01	915
1	C13	15pF	Ceramic C0G	50V	±5%	SMD 0402	Murata	GRM1555C1H150JZ01D	315
1		10pF	Ceramic C0G	50V	±5%		Murata	GRM1555C1H100JZ01D	433
1		2.2pF	Ceramic C0G	50V	±0.1pF		Murata	GRM1555C1H2R2BA01D	868
1		3.6pF	Ceramic C0G	50V	±0.1pF		Murata	GRM1555C1H3R6BA01D	915
1	C14	220pF	Ceramic C0G	50V	±5%	SMD 0402	Murata	GRM1555C1H221JA01D	315
1		220pF	Ceramic C0G	50V	±5%		Murata	GRM1555C1H221JA01D	433
1		220pF	Ceramic C0G	50V	±5%		Murata	GRM1555C1H221JA01D	868

1		330pF	Ceramic C0G	50V	±5%		Murata	GRM1555C1H331JA01D	915
1	C15	4.7pF	Ceramic C0G	50V	±0.1pF	SMD 0402	Murata	GRM1555C1H4R7BA01D	315
1		3.3pF	Ceramic C0G	50V	±0.25pF			GRM1555C1H3R3CZ01D	433
1		1.8pF	Ceramic C0G	50V	±0.1pF			GRM1555C1H1R8BA01D	868
1		1.5pF	Ceramic C0G	50V	±0.1pF			GRM1555C1H1R5BA01D	915
2	C9, C16	220pF	Ceramic C0G	50V	±5%	SMD 0402	Murata	GRM1555C1H221JA01D	
	C36	Not mounted							
1	C17	12pF	Ceramic C0G	50V	±5%	SMD 0402	Murata	GRM1555C1H120JZ01D	
1	C18	10pF	Ceramic C0G	50V	±5%	SMD 0402	Murata	GRM1555C1H100JZ01D	
1	C20	3.9pF	Ceramic C0G	50V	±0.1pF	SMD 0402	Murata	GRM1555C1H3R9BA01D	315
1		2.2pF	Ceramic C0G	50V	±0.1pF			GRM1555C1H2R2BA01D	433
1		2.2pF	Ceramic C0G	50V	±0.1pF			GRM1555C1H2R2BA01D	868
1		2pF	Ceramic C0G	50V	±0.1pF			GRM1555C1H2R0BA01D	915
3	C19, C34, C35	10nF	Ceramic X7R	50V	±10%	SMD 0402	Murata	GRM155R71H103KA88D	
1	C26	2.2uF	Ceramic X5R	6.3V	±20%	SMD 0402	Murata	GRM155R60J225ME95D	
1	C27	33nF	Ceramic X7R	25V	±10%	SMD 0402	Murata	GRM155R71E333KA88D	
1	C31	10uF	Ceramic X5R	4V	±20%	SMD 0402	Murata	GRM155R60G106ME44D	
1	CAV1	Solder point				CAV2P			
1	D1	YELLOW LED				LED_1			
1	D2	GREEN LED				LED_1			
1	D6	BAT46ZFILM				DIODE			
1	IC1	M95640-RMC6				M95640-RMC6			
1	J1	USB A				CON4_0			
	J3	Not mounted				4 HEADER_0			
1	L1	10uH		100mA/600mOhm	±20%	SMD 0805	Murata	LQM21FN100M70L	
1	L2	270nH		110mA/4.9Ohm	±5%	SMD 0402	Murata	LQG15HSR27J02D	315
1		120nH		150mA/1.3Ohm	±5%			LQG15HSR12J02D	433
1		27nH					Coilcraft	0402CS-27N	868
1		27nH					Coilcraft	0402CS-27N	915
1	L3	91nH		230mA/640mOhm	±2%	SMD 0603	Murata	LQW18AN91NG00D	315
1		30nH		420mA/230mOhm	±2%			LQW18AN30NG00D	433
1		4.3nH		850mA/59mOhm	±0.2nH			LQW18AN4N3C00D	868
1		8.7nH		650mA/110mOhm	±0.5nH			LQW18AN8N7D00D	915
1	L4	390nH		80mA/6.2Ohm	±5%	SMD 0603	Murata	LQW18ANR39J00D	315
1		220nH		120mA/2.5Ohm	±2%			LQW18ANR22G00D	433

1		47nH		380mA/290mOhm	±2%			LQW18AN47NG00D	868
1		39nH		400mA/260mOhm	±2%			LQW18AN39NG00D	915
1	L5	220nH		120mA/3.77Ohm	±5%	SMD 0402	Murata	LQG15HSR22J02D	315
1		150nH		140mA/2.99Ohm	±5%			LQG15HSR15J02D	433
1		100nH		150mA/1.25Ohm	±5%			LQG15HSR10J02D	868
1		100nH		150mA/1.25Ohm	±5%			LQG15HSR10J02D	915
1	L6	15nH		300mA/320mOhm	±5%	SMD 0402	Murata	LQG15HS15NJ02D	315
1		6.2nH		300mA/220mOhm	±0.3nH			LQG15HS6N2S02D	433
1		3.3nH		300mA/150mOhm	±0.3nH			LQG15HS3N3S02D	868
		Not Mounted							915
1	L7	33nH		420mA/230mOhm	±5%	SMD 0603	Murata	LQW18AN33NJ00D	315
1		16nH		550mA/160mOhm	±2%			LQW18AN16NG00D	433
1		8.2nH		650mA/110mOhm	±0.5nH			LQW18AN8N2D00D	868
1		7.5nH		750mA/82mOhm	±0.5nH			LQW18AN7N5D00D	915
1	L8	12nH		300mA/280mOhm	±5%	SMD 0402	Murata	LQG15HS12NJ02D	315
1		8.2nH		300mA/240mOhm	±5%			LQG15HS8N2J02D	433
1		3.0nH		300mA/170mOhm	±0.3nH			LQG15HS3N0S02D	868
1		3.6nH		300mA/190mOhm	±0.3nH			LQG15HS3N6S02D	915
1	L9	12nH		300mA/280mOhm	±5%	SMD 0402	Murata	LQG15HS12NJ02D	315
1		10nH		300mA/260mOhm	±5%		Murata	LQG15HS10NJ02D	433
1		0R	Resistor		±1%				868
1		5.1nH					Murata	LQG15HN5N1S02	915
1	L10	15nH		300mA/320mOhm	±5%	SMD 0402	Murata	LQG15HS15NJ02D	315
1		10nH		300mA/260mOhm	±5%			LQG15HS10NJ02D	433
1		4.7nH		300mA/180mOhm	±0.3nH			LQG15HS4N7S02D	868
1		0R	Resistor		±1%				915
1	L11	39nH		200mA/650mOhm	±5%	SMD 0402	Murata	LQG15HS39NJ02D	315
1		27nH		300mA/460mOhm	±5%			LQG15HS27NJ02D	433
1		18nH		300mA/360mOhm	±5%			LQG15HS18NJ02D	868
1		18nH		300mA/360mOhm	±5%			LQG15HS18NJ02D	915
	L12	Not Mounted				SMD 0402	Murata		315
		Not Mounted							433
1		22nH		300mA/420mOhm	±5%			LQG15HS22NJ02D	868
1		15nH		300mA/320mOhm	±5%			LQG15HS15NJ02D	915
1	L13	47nH		200mA/720mOhm	±5%	SMD 0402	Murata	LQG15HS47NJ02D	315

1		39nH		200mA/650mOhm	±5%			LQG15HS39NJ02D	433
1		18nH		300mA/360mOhm	±5%			LQG15HS18NJ02D	868
1		15nH		300mA/320mOhm	±5%			LQG15HS15NJ02D	915
2	L14, L15	0.6 Ohm 300 mA				SMC0402			
1	P1	Not mounted	Header 6			HDR1X6			
1	R1	1k5	R_0			SMR0402			
1	R2	100k	R_0			SMR0402			
7	R5, R6, R7, R9, R10, R15, R19	10k	R_0			SMR0402			
2	R12, R13	680	R_0			SMR0402			
1	R14	0R	R_0			SMR0402			
2	SW1, SW2	PUSHBUTTON	SW PUSHBUTTON-DPST 0			PUSHKMR22			
1	U1	STM32L151CUB6	STM32L152CUB6			UQFPN48_7_7_0.5			
1	U2	SPIRIT1	SPIRIT1_1			QFN20X4X4			
1	U3	USBLC6-2P6	LD3985M18R_1			SOT666			
1	U4	LDS3985PU33R	LDS3985PU33R0			DFN6D3X3			
1	U5	SMM4F50A	SMM4F500A			DO222AA			
1	U6	U.FL connector	U_0.FL connector	Not mounted		U-FLR-SMT			
1	Y1	NX2016SA-52MHZ	NX3225GA_0			NX2016SA 52MHZ S1-4085-2008-8(IEC)			
1	Y2	8MHz	CSTCE8M00G55-R0			CSTCE8M00G55-R0			