

STEVAL-ISA067V1 BOM

Qty	Component	Description	Package	Part number	MFR	Value
3	C1:C3	Ceramic capacitor	1812	UMK325BJ106KM-T	Taiyo-Yuden	10 uF - 50 V
1	C4	Ceramic capacitor	1812	NM		10 uF - 50
2	C5, C6	Ceramic capacitor	0805			100 nF - 50 V
1	C19	Ceramic capacitor	0805			100 nF - 50 V
1	C7	POSCAP capacitor	7343	NM	Sanyo	
2	C9, C10	Ceramic capacitor	0805	NM		
1	C11	POSCAP capacitor	7343	NM	Sanyo	
1	C8	POSCAP capacitor	7343	6TPE220M	Sanyo	220 uF - 25 mR - 6 V
1	C12	POSCAP capacitor	7343	4TPE150MI	Sanyo	150 uF - 18 mR - 4 V
2	C13, C14	Ceramic capacitor	0603			10 nF - 50 V
2	C15, C16	Ceramic capacitor	0603			1.5 nF - 50 V
2	C17, C18	Ceramic Capacitor	0603			47 pF - 50 V
1	C20	Ceramic capacitor	0805			1 uF - 10 V
1	C21	Tantalum capacitor	3216			4.7 uF - 16 V
1	C22	Ceramic capacitor	0805			220 nF - 10 V
1	C23	Ceramic capacitor	0805			10 pF
1	CIN	Electrolytic capacitor	D = 10 mm	NM		
1	CREF	Ceramic capacitor	0805			100 nF - 50 V
1	C26	Tantalum capacitor	6032			4.7 uF - 35 V
1	C24, C25	Tantalum capacitor	0805			10 uF - 6.3 V
1	C27	Tantalum capacitor	0805			10 uF - 6.3 V
1	C28	Tantalum capacitor	3216			4.7 uF - 16 V
1	D1	Dual Schottky diode	SOT23	BAS70	STMicroelectronics	
2	D2, D3	Diode 1 A - 40 V	DO216AA	STPS1L40M	STMicroelectronics	
1	IC1	PM6681A device	QFN-32	PM6681A	STMicroelectronics	
1	L1	Inductor	10 mm x 10 mm	TPC 7440650047	Würth	4.7 uH - 4.2 A
1	L2	Inductor	10 mm x 10 mm	TPC 7440650082	Würth	8.2 uH -2.8 A
4	M1:M4	MOSFET control FET	SO-8	STS12NH3LL		
1	R3	Resistor	0805			22 kΩ - 1%
1	R4	Resistor	0805			36 kΩ - 1%
1	R5	Resistor	0805			3.3 kΩ - 1%
1	R6	Resistor	0805			3 kΩ - 1%
2	R7, R8	Resistor	0805			680 Ω - 1%
1	R9	Resistor	0805			47 Ω - 1%
2	R10, R11	Resistor	0805			10 Ω - 1%
4	R12:R15	Resistor	0805			100 kΩ - 1%
1	R16	Resistor	0805			150 kΩ - 1%
1	R17	Resistor	0805			560 kΩ - 1%
2	R18, R19	Resistor	0805	NM		
4	R20, R21, R22, R23	Resistor	0805			0 Ω - 1%
1	R24	Resistor	0805			1.1 kΩ - 1%
1	R25	Resistor	0805			820 Ω - 1%
1	R26	Resistor	1206			3.9 Ω - 1%
1	R27	Resistor	0805			10 kΩ - 1%
1	R29	Resistor	0805			11 kΩ - 1%
1	R28	Resistor	0805			6.8 kΩ - 1%
1	R30	Resistor	0805			1.8 kΩ - 1%
1	R31	Resistor	0603			5.6 kΩ - 1%
1	R32	Resistor	0603			15 kΩ - 1%
1	R33	Resistor	0805	NM		
1	RLD5V	Resistor	0805	NM		

NM=not mounted