

PROJECT NAME: STEVAL-ISA168V1

BILL OF MATERIALS

Item	Quantity	Reference	Part / Value	Tolerance	Voltage / Watt / Ampere	Type / TECNOLOGY	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Additional Notes
1	1	C501	1uF	10%	50V	X7R CerCAP	SMD 0805	any		
2	1	C502	2n7	10%	50V	X7R CerCAP	SMD 0805	any		
3	0	C503, C504	N.M.	---	---	---	---	---	---	NOT MOUNTED
4	0	D501, D502	N.M.	---	---	---	---	---	---	NOT MOUNTED
5	1	JP501	HEADER 13 pins				STRIP254P-M-13-90		FARNEL code: 1923932	Farnel code is 36 pins HEADER and needs to be cut to 13 pins
6	2	Q501, Q502	STL140N4LLF5			Power MOSFET	POWERFLAT	STMicroelectronics	STL140N4LLF5	ST-SUPPLY
7	1	Q503	BC847C			NPN Transistor	SOT23	VISHAY	BC847C	
8	0	Q504, Q505	N.M.	---	---	---	---	---	---	NOT MOUNTED
9	4	R501, R503, R506, R507	0R	5%		Metal Film RES	SMD 0805	any		
10	1	R502	100k	1%		Metal Film RES	SMD 0805	any		
11	2	R504, R505	100R	5%		Metal Film RES	SMD 0805	any		
12	2	R508, R509	1k0	5%		Metal Film RES	SMD 0805	any		
13	0	R510, R511, R512, R513	N.M.	---	---	---	---	---	---	NOT MOUNTED
14	1	U501	SRK2001			SR Controller	SSOP10	STMicroelectronics	SRK2001	ST-SUPPLY