

PROJECT NAME: STEVAL-ISQ014V1

**BILL OF MATERIALS**

Item	Quantity	Reference	Part / Value	Voltage / Watt / Ampere	Type / TECHNOLOGY informations	Tolerance	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Additional Notes
1	1	Rs	10mOhm	3W	Shunt resistor	±1%	SMD	VISHAY DALE	WSL3637R0100FEB	
2	2	Rf1, Rf2	47k		Resistor	±0.1%	SMD 0603	PANASONIC	ERA3AEB473V	
3	2	Rg1, Rg2	100R		Resistor	±0.1%	SMD 0603	PANASONIC	ERA3AEB101V	
4	1	Cf	33nF	25V	Ceramic X7R	±10%	SMD 0603	MULTICOMP	MC0603B333K250CT	
5	1	C1	22nF	25V	Ceramic X7R	±10%	SMD 0603	MULTICOMP	MC0603B223K250CT	
6	9		HEADER, RIGHT ANGLE		Connector			TE CONNECTIVITY	5-826631-0	Sold in row of 50 contacts (9 contacts needed per board)
7	1	TSZ121	TSZ121ILT		operational amplifier		SOT23-5	STMicroelectronics	TSZ121ILT	