



PROJECT NAME: STEVAL-ISQ010V1

November 24, 2009

BILL OF MATERIALS

Part	Part type	Footprint	Description	Reference
C1	330pF-X7R	402		Optional low-pass filter capacitor
C2	Not mounted	402		Optional low-pass filter capacitor
C10	100nF-10V-Y5V	402	Supply voltage decoupling capacitor	Taiyo Yuden -TNMSZIOQZF
				or any other manufacturer
Cf1	Not mounted	402		Optional input filtering capacitor
Cf2	Not mounted	402		Optional input filtering capacitor
R1	10K-1%	402		Optional gain adjustment/filtering resistor
R2	0R	402		Optional gain adjustment/filtering resistor
R3	22K-0.1%	402		PANASONIC - ERA2AEB223X - RESISTANCE 0402 22K 0.1% 0.063W
				Farnell: 1577719
R4	33K	402		PANASONIC - ERA2AEB333X - RESISTANCE 0402 33K 0.1% 0.063W
				Farnell: 1577720
Rf1	0R	402		Optional Input filtering resistor
Rf2	0R	402		Optional Input filtering resistor
Rs	5mΩ	9.4mm*9.14mm	shunt resistor	Vishay Dale WSL-3637 .005 1% Farnell: 1107419
TSC102		TSSOP8	High-side current sensing amplifier	STMicroelectronics TSC102IPT