

STEVAL-ISA076V1 Evaluation board part list

Name	Value	Description
R1	1K	Pull up resistor. To be used when the ST1s connected with a LED
R2	1K	Pull up resistor. To be used when the ST1s connected with a LED
R3	1K	Pull up resistor. Connected between VREF and TH pin
R4	3K3	End of charge current resistor. Used to set the termination current and, as a "Gas Gauge" when measuring the voltage across on it.
R5	24K	Fast-charge current resistor. Used to set the charging current
R6	N.M	VPRETH resistor. Used to set programmable pre-charge voltage threshold. If not mounted, the VPRETHDefault, equal to 2.8V, is set
R7	N.M	IPRETH resistor. Used to set programmable pre-charge voltage threshold below the default one. If not mounted, the IPRETHDefault, is set
R8	68K	IPRETH resistor. Used to set programmable pre-charge current threshold above the default one. If not mounted, the IPRETHDefault, is set
R9	470R	If a NTC is not used, a half value of R3 must be mounted to keep the TH voltage in the correct window
R10	N.M	It has the same function of R6. Moreover, if it is replaced with a short-circuit, when J5 is closed, the timer is reset (falling edge)
C1	1uF	Input capacitor
C2	10nF	TMAX capacitor. Used to set the maximum charging time
C3	1uF	Output capacitor
C4	1uF	VREF filter capacitor. Not mounted
LD1	GREEN	ST1 LED
U1	L6924D	L6924D