

Battery Management NanoEVM BOM

PR581E-1 BOM						
COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1A	0.1uF	Capacitor, Ceramic, 25V, X5R, 10%	0603	C1608X5R1E104KB	TDK
5	C1B, C2B, C3B, C4B, C5B	0.1uF	Capacitor, 10V, X5R	0402	GRM155R61A104KA01D	Murata
3	C1C, C2C, C3C	2.2uF	Capacitor, Ceramic, X5R, 16V	0805	ECJ-2FB1C225K	Panasonic
1	C4C	0.47uF	Capacitor, Ceramic, 6.3V, X5R, 10%	0603	C1608X5R0J475K	TDK
1	C5C	0.22uF	Capacitor, Ceramic, 10V, X5R, 10%	0603	ECJ-1VB1A224K	Panasonic
1	C6C	0.01uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
1	D1B		Diode, Zener, 5.6V, 225mW	SOT-23	BZX84C5V6LT1	On Semi
3	R1B, R5B, R6B	1.00k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R1C	2.0k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R2B, R3B	100	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R2C, R4B	10k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R3C	36.5k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
3	R4C, R5C, R6C	49.9k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R7B	0.02	Resistor, Chip, 0.25W, 1%	1206	WSL1206	Vishay
1	U1A		IC, Battery Pack Security and Authentication	SC-70	BQ26150DCK	TI
1	U1B		IC, High Performance Battery Monitor with Coulomb Counter, Voltage & Temp. Measurement	QFN10	bq27000DRK	TI
1	U1C		IC, Single-IC Charge and System Power Path Management	QFN	bq24070RHL	TI
1	-		PCB, 3.7 In x 2.66 In x 0.031 In		PR581	Any

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