Power Conversion NanoEVM BOM

			PR570E-2 BOM			
COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C10A	0.1uF	Capacitor, Ceramic, 25V, X5R, 10%	0402	C1005X5R1E104K	TDK
1	C1A	22uF	Capacitor, Ceramic, 6.3V, X5R, 20%	0805	C2012X5R0J226MTJ	TDK
3	C1B, C2B, C3B	10uF	Capacitor, Ceramic, 10V, X5R, 10%	0805	C2012X5R1A106K	TDK
2	C1C, C2C	10uF	Capacitor, Ceramic, 6.3V, X5R, 10%	0603	C1608X5R0J106KT	TDK
1	C1D	4.7uF	Capacitor, Ceramic, 10V, X5R, 10%	0603	C1608X5R1A475K	TDK
2	C1E, C1F	2.2uF	Capacitor, Ceramic, 10V, X5R, 10%	0603	C1608X5R1A225KT	TDK
1	C1G	1.0uF	Capacitor, Ceramic, 6.3V, X5R, 20%	0402	C1005X5R0J105M	TDK
	C1H, C1J, C2H, C2J,					
6	C3G, C4G	10uF	Capacitor, Ceramic, 6.3V, X5R, 20%	0603	C1608X5R0J106M	TDK
1	C2A	47uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1206	C3216X5R0J476MT	TDK
1	C2D	4.7uF	Capacitor, Ceramic, 50V, X5R, 10%	1812	C4532X5R1H475K	TDK
1	C2E	0.22uF	Capacitor, Ceramic, 25V, X7R, 10%	0603	C1608X7R1E224K	TDK
2	C2F, C2G	0.01uF	Capacitor, 10V, X5R, +/-10%	0402	C1005X5R1A104K	TDK
1	C3D	1.0uF	Capacitor, Ceramic, 25V, X5R, 10%	0603	C1608X5R1E105K	TDK
1	C3F	2.2uF	Capacitor, Ceramic, 4V, X5R, 20%	0402	AMK105BJ225MV-F	AVX
1	C4A	1000pF	Capacitor, Ceramic, 25V, COG, 5%	0402	C1005C0G1E102K	TDK
1	L1A	4.7uH	Inductor, SMT, 1.1A, 120milliohm	0.177 x 0.185	VLF5014AT-4R7M1R1	TDK
2	L1B, L2B	2.2uH	Inductor, SMT, 1.2A, 228 milliohm	0.118 x 0.118	LPS3010-222ML	Coilcraft
1	L1C	1.0uH	Inductor, SMT, 1.7A, 140milliohms	0.118 x 0.118	LPS3010-102NLC	Coilcraft
1	L1D	10uH	Inductor, SMT, 1.26A, 188milliohm	0.137 X 0.147	VLCF4018AT-100MR74-2	TDK
1	L1E	22uH	Inductor, SMT, 580mA, 800milliohms	0.102 X 0.110	VLF3012AT-220MR33	TDK
1	L1H	2.2uH	Inductor, SMT, 1.5A, 110milliohm	0.118 x 0.118	LPS3015-222ML	Coilcraft
1	L1J	2.2uH	Inductor, SMT, 770mA, 230milliohms	0805	CB2016T2R2M	Taiyo Yuden
1	R1A	22.1k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
4	R1B, R1C, R2C, R3C	10.0k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R1D, R2D	0	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R1E	12.1	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2A	68.1k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R3A	100k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R3D	73.2k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R4A	3.65k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R4D	Open	Resistor, Chip, 1/16W, x%	0402	Std	Std
1	R5A	6.81k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R5D	909k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R6A	7.5k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R6D	80.6k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R7A	1.2	Resistor, Chip, 1/10W, 1%	0805	Std	Std
'	1474	1.2	IC, Synchronous Boost Converter With Down Mode High Power	0005	Sid	Siu
1	U1A		White LED Driver	SON-10	TPS61059DRC	П
1	U1B		IC, 2.25 MHz Dual Step Down Converter	QFN10	TPS62401DRC	П
1	U1C		IC, 3MHz Synchronous Step Down Converter with I ² C, 800mA	CSP-12	TPS62350YZG	П
1	U1D		IC, Dual Output Boost Regulator Using Single Inductor	DRC10	TPS61140DRC	П
•			IC, Constant Current LED Driver W/ Digital Brightness Control,	12.12		1.
1	U1E		Vovp 22.75V	WCSP-9	TPS61061YZF	П
1	U1F		IC, Ultra-low Noise, High PSRR 200 mA, LDO Regulators	WCSP-05	TPS79928YZU	П
1	U1G		IC, Dual 250mA Output, RF LDO Regulator	QFN-10	TPS71247DRC	П
			IC, High Efficiency Single Inductor Buck-Boost Converter with 1.2A			
1	U1H		Switches	QFN10	TPS63001DRC	П
1	U1J		IC, 3MHz Synchronous Step-Down Converter, 400mA	CSP-8	TPS62301YZD	TI
1	-		PCB, 3.7 ln x 2.66 ln x 0.031 ln		PR570	Any

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