

Bill of Material for PR071

PR071B BOM

COUNT	RefDes	DESCRIPTION	SIZE	MFR	Part Number
	C1, C2, C3, C13,				
7	C19, C20, C23	Capacitor, Ceramic, 22uF, 6.3V, X5R, 20%	1210		
2	C12, C24	Capacitor, POSCAP, 330uF, 6.3V, 10milliohm, 20%	7343 (D)	Sanyo	6TPD330M
1	C14	Capacitor, Ceramic, 0.0047uF, 50V, X7R, 10%	805		
1	C15	Capacitor, Ceramic, 1200pF, 50V, X7R, 10%	805		
1	C16	Capacitor, Ceramic, 0.01uF, 50V, X7R, 10%	805		
2	C17, C18	Capacitor, Ceramic, 1uF, 10V, X5R, 10%	805		
1	C21	Capacitor, Ceramic, 0.0022uF, 50V, X7R, 10%	805		
1	C22	Capacitor, Ceramic, 82pF, 50V, X7R, 10%	805		
2	J1, J2	Terminal Block, 4-pin, 15-A, 5.1mm	291126	OST	ED2227
1	L2	Inductor, SMT, 1.5uH, 11A, 5.5milliohm	0.51 x 0.51	Vishay	IHLP-5050CE-01 1.0uH
1	Q1	MOSFET, N-ch, 12V, 11A, 8milliohm	SO8	Siliconix	Si4866DY
1	Q2	MOSFET, N-ch, 12V, 17A, 5milliohm	SO8	Siliconix	Si4836DY
2	R10, R11	Resistor, Chip, 1.8Ohms, 1/10W, 5%	805	Std	Std
1	R12	Resistor, Chip, 392Ohms, 1/10W, 1%	805	Std	Std
1	R13	Resistor, Chip, 14kOhms, 1/10W, 1%	805	Std	Std
1	R14	Resistor, Chip, 10kOhms, 1/10W, 1%	805	Std	Std
1	R15	Resistor, Chip, 2.2Ohms, 1/10-W, 5%	805	Std	Std
1	R16	Resistor, Chip, 6.19kOhms, 1/10W, 1%	805	Std	Std
1	R9	Resistor, Chip, 11kOhms, 1/10-W, 1%	805	Std	Std
3	TP1, TP3, TP5	JACK, Test Point, Clr, red		Farnell	240-3xx
2	TP2, TP4	JACK, Test Point, Clr, black		Farnell	240-3xx
1	TP6	Adaptor, 3.5-mm probe clip (or 131-5031-00)	72900	Tektronix	131-4244-00
1	U1	IC, Low Input Voltage Mode, Sync. Buck Controller	DGQ10	TI	TPS4000xDGQ
1	--	PCB, 3 In x 3 In x .037 In		Any	PR071-PCB

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Mailing Address: Texas Instruments
Post Office Box 655303 Dallas, Texas 75265

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