

Bill Of Material for the PR070

PR070B BOM

COUNT	RefDes	DESCRIPTION	SIZE	MFR	Part Number
4	C1, C4, C12, C13	Capacitor, Ceramic, 22uF, 6.3V, X5R, 20%	1210		
1	C10	Capacitor, Ceramic, 0.001uF, 50V, X7R, 10%	603		
1	C11	Capacitor, Ceramic, 470pF, 50V, X7R, 10%	603		
1	C5	Capacitor, Ceramic, 0.0047uF, 50V, X7R, 10%	603		
1	C6	Capacitor, Ceramic, 1uF, 10V, X5R, 10%	805		
1	C7	Capacitor, Ceramic, 1uF, 10V, X5R, 10%	805		
1	C8	Capacitor, Ceramic, 0.0033uF, 50V, X7R, 10%	805		
1	C9	Capacitor, Ceramic, 68pF, 50V, NPO, 10%	603		
2	J1, J2	Terminal Block, 2-pin, 15-A, 5.1mm	148830	OST	ED1609
1	L1	Inductor, SMT, 1.0uH, 8.5A, 10milliohms	0.270 sq	Vishay	IHLP-2525CZ-01
1	Q1	MOSFET, Dual N-ch, 20V, 9.4A, 18milliohm	SO8	Fairchild	FDS6898A
1	R1	Resistor, Chip, 15kOhms, 1/16W, 1%	603	Std	Std
1	R2	Resistor, Chip, 2.2Ohms, 1/10W, 5%	805	Std	Std
1	R3	Resistor, Chip, 8.66kOhms, 1/16W, 1%	603	Std	Std
1	R4	Resistor, Chip, 12.1kOhms, 1/16W, 1%	603	Std	Std
1	R5	Resistor, Chip, 16.9kOhms, 1/16W, 1%	603	Std	Std
1	R6	Resistor, Chip, 1kOhms, 1/16W, 1%	603	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	TPS40001DGS
1	--	PCB, 2 In x 2 In x .037 In		Any	PR070B-PCB

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