Filename: 09_PMP4257_REVA_bom.xls

Date: 11/17/2011

09_PMP4257_REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR	Area
1	C4	220pF	Capacitor, Ceramic, 16V, X7R, 20%	0402	Std	TDK	
2	C5	0.1uF	Capacitor, Ceramic, 16V, X7R, 20%	0402	Std	TDK	
1	C7	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0402	Std	TDK	
1	C8	3300pF	Capacitor, Ceramic, 16V, X7R, 20%	0402	Std	TDK	
	C9	0.1uF	Capacitor, Ceramic, 16V, X7R, 20%	0402	Std	TDK	
1	C13	1000pF	Capacitor, Ceramic, 16V, X7R, 20%	0402	Std	TDK	
1	C15	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0402	Std	TDK	
3	C16	10uF/10V	CAP CER 10UF 10V 10% X5R 0805	0805	C2012X5R1A106K	TDK	
3	C17	22uF	Capacitor, Ceramic, 6.3V, X5R, 15%	0805	Std	TDK	
	C18	22uF	Capacitor, Ceramic, 6.3V, X5R, 15%	0805	Std	TDK	
	C19	22uF	Capacitor, Ceramic, 6.3V, X5R, 15%	0805	Std	TDK	
	C20	10uF/10V	CAP CER 10UF 10V 10% X5R 0805	0805	C2012X5R1A106K	TDK	
	C21	10uF/10V	CAP CER 10UF 10V 10% X5R 0805	0805	C2012X5R1A106K	TDK	
2	D2	BAS170W	Diode, Small Signal, 70mA, 70V	SOD-323	BAS170WS	Vishay	
	D3	BAS170W	Diode, Small Signal, 70mA, 70V	SOD-323	BAS170WS	Vishay	
1	E1	Enable	Pad, TH	0.038 inch		Emulation Tech	
1	E2	Vin	Pad, TH	0.038 inch		Emulation Tech	
2	E3	Rtn	Pad, TH	0.038 inch		Emulation Tech	
	E4	Rtn	Pad, TH	0.038 inch		Emulation Tech	
1	E5	Vout	Pad, TH	0.038 inch		Emulation Tech	
1	E6	Trim	Pad, TH	0.038 inch		Emulation Tech	
1	L1	1.0uH	IND, Power, 6mohm, 10A	0.276 x 0.276 ir	IHLP2525EZ-1R0	Vishay	
1	Q1	CSD16406Q3	N-Channel NexFET™ Power MOSFET	PWRPAK 1212	CSD16406Q3	TI	
1	Q2	CSD16406Q3	N-Channel NexFET™ Power MOSFET	PWRPAK 1212	CSD16406Q3	TI	
1	R1	267K	Resistor, Chip, 1/16W, x%	0402	Std	Std	
2	R2	2.2K	Resistor, Chip, 1/16W, 1%	0402	Std	Std	
1	R3	3.3K	Resistor, Chip, 1/16W, 1%	0402	Std	Std	
1	R5	4.7K	Resistor, Chip, 1/16W, 1%	0402	Std	Std	
	R6	2.2K	Resistor, Chip, 1/16W, 1%	0402	Std	Std	
1	R8	20.0K	Resistor, Chip, 1/16W, 1%	0402	Std	Std	
1	R9	100K	Resistor, Chip, 1/16W, 1%	0402	Std	Std	

1	U1	TPS40304DRC	3V to 20V Wide Input Synchronous Buck Controller for High Power Density, 6	DRC	10	TPS40304DRC	TI

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