

Component list

PMP4419 BOM

Source Data From:

PMP4419.PrjPCB

Project:

PMP4419.PrjPCB

Variant:

001

Report Date: 7/10/2014 3:51:38 PM

Print Date: 11-Aug-14 10:29:57 AM

#	Designator	LibRef	Manufacturer	Description	Footprint	Library Name	Comment	Quantity
1	C1	ECO-E2104KB	Panasonic	CAP_Film, 0.1uF, 250V, +/-10%, TH	ECQUA104	Capacitor_Other.IntLib	ECQUA104	1
2	C2	GRM31BR72J332KW01L	MuRata	CAP_CERM, 3300pF, 630V, +/-10%, X7R,	1206	Capacitor_Ceramic.IntLib	GRM31BR72J332KW01L	1
3	C3, C11, C14	GRM21AR72E102KW01D	MuRata	CAP_CERM, 1000pF, 250V, +/-10%, X7R,	0805_HV	Capacitor_Ceramic.IntLib	GRM21AR72E102KW01D	3
4	C4	EEV-FK1V681Q	Panasonic	CAP_AL, 680uF, 35V, +/-20%, 0.06 ohm, SMD	SM_RADIAL_H13	Capacitor_Aluminum.IntLib	EEV-FK1V681Q	1
5	C5	GRM31CR71H475KA12L	MuRata	CAP_CERM, 4.7uF, 50V, +/-10%, X7R, 1206	1206	Capacitor_Ceramic.IntLib	GRM31CR71H475KA12L	1
6	C6	EEUED2G470	Panasonic	CAP_AL, 47uF, 400V, +/-20%, 0.609529 ohm,	CAPPR7_5-16X25_HorizontalUp	Capacitor_Aluminum.IntLib	EEUED2G470	1
7	C7, C8	CAP_CDB5-E2GA102MYNS	TDK Corporation	CAP_X1Y1, 250VAC	Y2 Capacitor	PADSlagacy_Passive.IntLib	1nF	2
8	C9, C12	EEE-FK1V331P	Panasonic	CAP_AL, 330uF, 35V, +/-20%, 0.08 ohm, SMD	SM_RADIAL_G	Capacitor_Aluminum.IntLib	EEE-FK1V331P	2
9	C10, C13	GMK316AB7106KL	Taiyo Yuden	CAP_CERM, 10uF, 35V, +/-10%, X7R, 1206	1206	Capacitor_Ceramic.IntLib	GMK316AB7106KL	2
10	C15	25ML22MEFC5X5	Panasonic	CAP_AL, 22uF, 25V, +/-20%, TH	ML_500x500	Capacitor_Aluminum.IntLib	EEAGA1E220	1
11	C16	GRM21BR71E339KA73L	MuRata	CAP_CERM, 3.3uF, 25V, +/-10%, X7R, 0805	0805_HV	Capacitor_Ceramic.IntLib	GRM21BR71E339KA73L	1
12	C17	GRM1885C1H103JA01D	MuRata	CAP_CERM, 1000pF, 50V, +/-5%, COG/NP0,	0603	Capacitor_Ceramic.IntLib	GRM1885C1H103JA01D	1
13	C18, C19	GRM188R71E474KA12D	MuRata	CAP_CERM, 0.47uF, 25V, +/-10%, X7R, 0603	0603	Capacitor_Ceramic.IntLib	GRM188R71E474KA12D	2
14	C20	C0603C101J5GAC	Kemet	CAP_CERM, 100pF, 50V, +/-5%, COG/NP0,	0603	Capacitor_Ceramic.IntLib	C0603C101J5GAC	1
15	C21	C0603C102J5GAC	Kemet	CAP_CERM, 1000pF, 50V, +/-5%, COG/NP0,	0603	Capacitor_Ceramic.IntLib	C0603C102J5GAC	1
16	C22	CAP_CDB5-E2GA102MYNS	TDK Corporation	CAP_X1Y1, 250VAC	Y1 Capacitor	PADSlagacy_Passive.IntLib	2.2nF	1
17	C23	GRM1885C1H101JA01D	MuRata	CAP_CERM, 100pF, 50V, +/-5%, COG/NP0,	0603	Capacitor_Ceramic.IntLib	GRM1885C1H101JA01D	1
18	C24	GRM188R71E103KA01D	MuRata	CAP_CERM, 0.01uF, 25V, +/-10%, X7R, 0603	0603	Capacitor_Ceramic.IntLib	GRM188R71E103KA01D	1
19	C25, C26, C27, C28, C29, C30	GRM188R71H103KA01D	MuRata	CAP_CERM, 0.01uF, 50V, +/-10%, X7R, 0603	0603	Capacitor_Ceramic.IntLib	GRM188R71H103KA01D	6
20	C31, C32	GRM188R71E105KA12D	MuRata	CAP_CERM, 1uF, 25V, +/-10%, X7R, 0603	0603	Capacitor_Ceramic.IntLib	GRM188R71E105KA12D	2
21	D1	MBR3S100T3G	ON Semiconductor	Diode, Schottky, 200V, 3A, SMC	SMC	Diode.IntLib	MBR3S201T3G	1
22	D2	3KBP08M-E445	Vishay-Semiconductor	Diode, Switching-Bridge, 800V, 3A, TH	KBPM	Diode.IntLib	3KBP08M-E445	1
23	D3	1N4007	Fairchild Semiconductor	Diode, P-N, 1000V, 1A, TH	DO-41	Diode.IntLib	1N4007	1
24	D4, D5	MBR3S200T3G	ON Semiconductor	Diode, Schottky, 200V, 3A, SMB	SMB	Diode.IntLib	MBR3S200T3G	2
25	D6	D-BAS21-03W	Infineon	Diode, High-Speed Switching, 250-mA, 200-V	SOD-323	PADSlagacy_Active.IntLib	D-BAS21-03W	1
26	D7	BZX84C15L1T1G	ON Semiconductor	Diode, Zener, 15V, 225mW, SOT-23	SOT-23	ZenerDiodes.IntLib	BZX84C15L1T1G	1
27	F1	37211250001	Littelfuse	Fuse, 1.25A, 250V, TH	FUSE_372	Fuse.IntLib	37211250001	1
28	J1	TSW-109-07-G-D	Samtec	Header, 100mil, 9x2, Gold, TH	HEADER8x2-2.54MM	Connectors.IntLib	TSW-109-07-G-D	1
29	L1	IND_CM-5000_SERIES	MuRata	Inductor, Common Mode Choke	PMP4419 Common Choke	PADSlagacy_Passive.IntLib	PLA10AN1522R0R2B	1
30	L2, L3	LQM31PN2R2MCO	MuRata	Inductor, Multilayer, Ferrite, 2.2uH, 0.9A, 0.25	1206	Inductor.IntLib	LQM31PN2R2MCO	2
31	Q1	BSS126 H6906	Infineon Technologies	MOSFET, N-CH, 600V, 0.021A, SOT-23	SOT-23	FE1s.IntLib	A03162	1
32	Q2	IPB65R225C7	Infineon Technologies	MOSFET, N-CH, 600V, 11A, DPAK	DDPAK	FE1s.IntLib	IPB65R225C7	1
33	Q2	AOB11CG6L	Alpha & Omega	MOSFET, N-CH, 600V, 11A, DPAK	DDPAK	FE1s.IntLib	AOB11CG6L	0
34	R1	ERJ-14YJ200J	Panasonic	RES, 20 ohm, 5%, 0.5W, 1210	1210	Resistor_OtherSMT.IntLib	ERJ-14YJ200J	1
35	R2, R3, R8	CRCW12061M00JNEA	Vishay-Dale	RES, 1.0Meg ohm, 5%, 0.25W, 1206	1206	Resistor_1206.IntLib	CRCW12061M00JNEA	3
36	R4, R5	CRCW1206270KJNEA	Vishay-Dale	RES, 270k ohm, 5%, 0.25W, 1206	1206	Resistor_1206.IntLib	CRCW1206270KJNEA	2
37	R6	CRCW12063K30JNEA	Vishay-Dale	RES, 3.3k ohm, 5%, 0.25W, 1206	1206	Resistor_1206.IntLib	CRCW12063K30JNEA	1
38	R7, R11, R15	CRCW1206470JNEA	Vishay-Dale	RES, 47 ohm, 5%, 0.25W, 1206	1206	Resistor_1206.IntLib	CRCW1206470JNEA	3
39	R9	RC1206FR-07120RL	Yageo America	RES, 120 ohm, 1%, 0.25W, 1206	1206	Resistor_1206.IntLib	RC1206FR-07120RL	1
40	R10, R12	CRCW12061K50JNEA	Vishay-Dale	RES, 1.5k ohm, 5%, 0.25W, 1206	1206	Resistor_1206.IntLib	CRCW12061K50JNEA	2
41	R13, R14	CRCW120615K0FKEA	Vishay-Dale	RES, 15.0k ohm, 1%, 0.25W, 1206	1206	Resistor_1206.IntLib	CRCW120615K0FKEA	2
42	R16, R33	CRCW12064M99FKEA	Vishay-Dale	RES, 4.99Meg ohm, 1%, 0.25W, 1206	1206	Resistor_1206.IntLib	CRCW12064M99FKEA	2
43	R17	CRCW12061M50FKEA	Vishay-Dale	RES, 1.50Meg ohm, 1%, 0.25W, 1206	1206	Resistor_1206.IntLib	CRCW12061M50FKEA	1
44	R18	CRCW080510R0JNEA	Vishay-Dale	RES, 10 ohm, 5%, 0.125W, 0805	0805	Resistor_0805.IntLib	CRCW080510R0JNEA	1
45	R19	CRCW080549R9FKEA	Vishay-Dale	RES, 49.9 ohm, 1%, 0.125W, 0805	0805	Resistor_0805.IntLib	CRCW080549R9FKEA	1
46	R20	ERJ-8RSJR15V	Panasonic	RES, 0.15 ohm, 5%, 0.25W, 1206	1206	Resistor_1206.IntLib	ERJ-8RSJR15V	1
47	R21	RC0603FR-072K2L	Yageo America	RES, 2.20k ohm, 1%, 0.1W, 0603	0603	Resistor_0603.IntLib	RC0603FR-072K2L	1
48	R22, R23, R32	RC0603FR-0710KL	Yageo America	RES, 10.0k ohm, 1%, 0.1W, 0603	0603	Resistor_0603.IntLib	RC0603FR-0710KL	3
49	R24	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	0603	Resistor_0603.IntLib	CRCW060310K0FKEA	1
50	R25	CRCW060330K1FKEA	Vishay-Dale	RES, 30.1k ohm, 1%, 0.1W, 0603	0603	Resistor_0603.IntLib	CRCW060330K1FKEA	1
51	R26	CRCW080510R0JNEA	Vishay-Dale	RES, 10 ohm, 5%, 0.125W, 0805	0805_HV	Resistor_0805.IntLib	CRCW080510R0JNEA	1
52	R27	RC0603FR-071KL	Yageo America	RES, 1.00k ohm, 1%, 0.1W, 0603	0603	Resistor_0603.IntLib	RC0603FR-071KL	1
53	R28	RC0603FR-07470RL	Yageo America	RES, 470 ohm, 1%, 0.1W, 0603	0603	Resistor_0603.IntLib	RC0603FR-07470RL	1
54	R29	CRCW06036K81FKEA	Vishay-Dale	RES, 6.81k ohm, 1%, 0.1W, 0603	0603	Resistor_0603.IntLib	CRCW06036K81FKEA	1
55	R30	RC0603FR-07910RL	Yageo America	RES, 910 ohm, 1%, 0.1W, 0603	0603	Resistor_0603.IntLib	RC0603FR-07910RL	1
56	R31	RC0603FR-0751KL	Yageo America	RES, 51.0k ohm, 1%, 0.1W, 0603	0603	Resistor_0603.IntLib	RC0603FR-0751KL	1
57	RT1	B57236S0100M000	EPCOS Inc	Thermistor NTC, 10 ohm, 20%,	THERM_B57236S0	ThermistorNTC.IntLib	B57236S0100M000	1
58	T1	CSH-EFD30-1S-12P	Würth Elektronik eiSos	750342427, LM5023, EFD30, 60W, Würth	CSH-EFD30-1S-12P	PMP4419_SchLib	EFD30 Transformer	1
59	U1	LM5023MM	National Semi	IC, AC-DC Quasi-Resonant Current Mode	DGK8	PADSlagacy_PMP.IntLib	LM5023MM	1
60	U2	FOD817DS	Fairchild Semiconductor	Optocoupler, 5kV RMS, SMT	N04C	OptoCouplers.IntLib	FOD817DS	1
61	U3	TLV431ADBZ	Texas Instruments	LOW-VOLTAGE ADJUSTABLE PRECISION	DBZ0003A_N	TI_Pre_Release.IntLib	TLV431ADBZ	1
62	VD1	MOV_VZ14D471KBS	Littelfuse	MOV,	DISK-650	PADSlagacy_Passive.IntLib	V14E300PX2855	1

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