Filenam	e: PMP8	709REVC_bom.x	ds				
Date: 11	/14/201	3					
l	PMP8	<b>709REVC</b>	BOM				
COUNT	RefDes	Value	Description	Size	Part Number	MFR	AREA
1	C1	150uF	Capacitor, Alum, 50V, 20%	0.315 inch	50V ZL 150uF M 10x12.5mm	Rubycon	
4	C2	10uF	Capacitor, Ceramic, 10uF, 50V, X7R, 20%	1210	STD	STD	
	C3	10uF	Capacitor, Ceramic, 10uF, 50V, X7R, 20%	1210	STD	STD	
	C4	10uF	Capacitor, Ceramic, 10uF, 50V, X7R, 20%	1210	STD	STD	
1	C5	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	std	std	
	C6	10uF	Capacitor, Ceramic, 10uF, 50V, X7R, 20%	1210	STD	STD	
4	C7	22uF	Capacitor, Ceramic, 22uF, 25V, X7R, 20%	1210	STD	STD	
	C8	22uF	Capacitor, Ceramic, 22uF, 25V, X7R, 20%	1210	STD	STD	
	<b>C</b> 9	22uF	Capacitor, Ceramic, 22uF, 25V, X7R, 20%	1210	STD	STD	
	C10	22uF	Capacitor, Ceramic, 22uF, 25V, X7R, 20%	1210	STD	STD	
1	C11	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	std	
2	C12	220pF	Capacitor, Ceramic, 50V, NPO, 5%	0603	std	std	
1	C13	220nF	Capacitor, Ceramic, 16V, X7R, 10%	0603	std	std	
	C14	220pF	Capacitor, Ceramic, 50V, NPO, 5%	0603	std	std	
1	C15	22nF	Capacitor, Ceramic, 50V, X7R, 15%	0603	std	std	
1	C16	220pF	Capacitor, Ceramic, 50V, NPO, 15%	0603	std	std	
1	D1	PDS760	Diode, Schottky, 7A, 60V	Power DI	PDS760	Diodes Inc.	
2	D3	6.2V	Diode, Zener, 500mW	SOD123	MMSZ5234BT1	On Semi	
	D4	6.2V	Diode, Zener, 500mW	SOD123	MMSZ5234BT1	On Semi	
2	J1	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST	
	J2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST	
1	L1	22uH	Inductor, SMT, 22uH, ±10%	15x15mm	JA4590AL	Coilcraft	
1	Q1	CSD18534Q5A	MOSFET, N-Chan, 60V, 13A, 12.4 milli-ohm	QFN-8 POWER	CSD18534Q5A	TI	
1	Q2	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semi	
1	Q3	MMBT2907	Bipolar, PNP, 60V, 600mA	SOT23	MMBT2907LT1	On Semi	
1	Q4	MMBT2222	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	On Semi	

R1	0	Resistor, Chip, 1/16W, 1%	0603	std	std			
R2	274K	Resistor, Chip, 1/16W, 1%	0603	std	std			
R3	3.3	Resistor, Chip, 1/16W, 1%	0603	std	std			
R4	1K	Resistor, Chip, 1/16W, 1%	0603	std	std			
R5	0.01	Resistor, 1W, 5%	2512	STD	STD			
R6	24.9K	Resistor, Chip, 1/16W, 1%	0603	std	std			
R7	30.1K	Resistor, Chip, 1/16W, 1%	0603	Std	Std			
R8	30.1K	Resistor, Chip, 1/16W, 1%	0603	Std	Std			
R9	49.9K	Resistor, Chip, 1/16W, 1%	0603	std	std			
R10	49.9	Resistor, Chip, 1/16W, 1%	0603	std	std			
R11	2.74K	Resistor, Chip, 1/16W, 1%	0603	std	std			
R12	100K	Resistor, Chip, 1/16W, 1%	0603	Std	Std			
TP1	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone			
TP2	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone			
TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone			
TP4	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone			
TP5	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone			
TP6	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone			
TP7	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone			
TP8	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone			
U1	TPS40210	IC, 4.5V-52V I/P, Current Mode Boost Ctrl	DGQ10	TPS40210DGQ	TI			
1. These assemblies are ESD sensitive, ESD precautions shall be observed.								
2. These assemblies must be clean and free from flux and all contaminants.								
Use o								
3. These assemblies must comply with workmanship standards IPC-A-610 Class 2.								
4. Ref designators marked with an asterisk ('**') cannot be substituted.								
All other components can be substituted with equivalent MFG's components.								
	R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 U1  1. These 2. These Use o 3. These 4. Ref d	R2 274K R3 3.3 R4 1K R5 0.01 R6 24.9K R7 30.1K R8 30.1K R9 49.9K R10 49.9 R11 2.74K R12 100K TP1 5010 TP2 5011 TP3 5000 TP4 5010 TP5 5011 TP6 5002 TP7 5002 TP8 5011 U1 TPS40210  1. These assemblies ar 2. These assemblies m Use of no clean flux 3. These assemblies m 4. Ref designators mar	R2 274K Resistor, Chip, 1/16W, 1% R3 3.3 Resistor, Chip, 1/16W, 1% R4 1K Resistor, Chip, 1/16W, 1% R5 0.01 Resistor, 1W, 5% R6 24.9K Resistor, Chip, 1/16W, 1% R7 30.1K Resistor, Chip, 1/16W, 1% R8 30.1K Resistor, Chip, 1/16W, 1% R9 49.9K Resistor, Chip, 1/16W, 1% R10 49.9 Resistor, Chip, 1/16W, 1% R11 2.74K Resistor, Chip, 1/16W, 1% R12 100K Resistor, Chip, 1/16W, 1% R12 100K Resistor, Chip, 1/16W, 1% TP1 5010 Test Point, Red, Thru Hole TP2 5011 Test Point, Red, Thru Hole TP3 5000 Test Point, Red, Thru Hole Color Keyed TP4 5010 Test Point, Red, Thru Hole TP5 5011 Test Point, Black, Thru Hole TP6 5002 Test Point, White, Thru Hole Color Keyed TP7 5002 Test Point, White, Thru Hole Color Keyed TP8 5011 Test Point, Black, Thru Hole U1 TPS40210 IC, 4.5V-52V I/P, Current Mode Boost Ctrl  1. These assemblies must be clean and free from flux and all contan Use of no clean flux is not acceptable. 3. These assemblies must comply with workmanship standards IPC- 4. Ref designators marked with an asterisk ('**') cannot be substituted.	R2         274K         Resistor, Chip, 1/16W, 1%         0603           R3         3.3         Resistor, Chip, 1/16W, 1%         0603           R4         1K         Resistor, Chip, 1/16W, 1%         0603           R5         0.01         Resistor, 1W, 5%         2512           R6         24.9K         Resistor, Chip, 1/16W, 1%         0603           R7         30.1K         Resistor, Chip, 1/16W, 1%         0603           R8         30.1K         Resistor, Chip, 1/16W, 1%         0603           R9         49.9K         Resistor, Chip, 1/16W, 1%         0603           R10         49.9         Resistor, Chip, 1/16W, 1%         0603           R11         2.74K         Resistor, Chip, 1/16W, 1%         0603           R12         100K         Resistor, Chip, 1/16W, 1%         0603           R12 <td>R2       274K       Resistor, Chip, 1/16W, 1%       0603       std         R3       3.3       Resistor, Chip, 1/16W, 1%       0603       std         R4       1K       Resistor, Chip, 1/16W, 1%       0603       std         R5       0.01       Resistor, Chip, 1/16W, 1%       0603       std         R6       24.9K       Resistor, Chip, 1/16W, 1%       0603       std         R7       30.1K       Resistor, Chip, 1/16W, 1%       0603       Std         R8       30.1K       Resistor, Chip, 1/16W, 1%       0603       std         R9       49.9K       Resistor, Chip, 1/16W, 1%       0603       std         R10       49.9       Resistor, Chip, 1/16W, 1%       0603       std         R11       2.74K       Resistor, Chip, 1/16W, 1%       0603       std         R12       100K       Resistor, Chip, 1/16W, 1%       0603       std         TP1       5010       Test Point, Red, Thru Hole       0.125 x 0.125 inch       5010         TP2       5011       Test Point, Red, Thru Hole       0.125 x 0.125 inch       5011         TP3       5000       Test Point, Black, Thru Hole       0.125 x 0.125 inch       5011         TP5       5011</td>	R2       274K       Resistor, Chip, 1/16W, 1%       0603       std         R3       3.3       Resistor, Chip, 1/16W, 1%       0603       std         R4       1K       Resistor, Chip, 1/16W, 1%       0603       std         R5       0.01       Resistor, Chip, 1/16W, 1%       0603       std         R6       24.9K       Resistor, Chip, 1/16W, 1%       0603       std         R7       30.1K       Resistor, Chip, 1/16W, 1%       0603       Std         R8       30.1K       Resistor, Chip, 1/16W, 1%       0603       std         R9       49.9K       Resistor, Chip, 1/16W, 1%       0603       std         R10       49.9       Resistor, Chip, 1/16W, 1%       0603       std         R11       2.74K       Resistor, Chip, 1/16W, 1%       0603       std         R12       100K       Resistor, Chip, 1/16W, 1%       0603       std         TP1       5010       Test Point, Red, Thru Hole       0.125 x 0.125 inch       5010         TP2       5011       Test Point, Red, Thru Hole       0.125 x 0.125 inch       5011         TP3       5000       Test Point, Black, Thru Hole       0.125 x 0.125 inch       5011         TP5       5011			

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