Filename: PMP5855_2_bom.xls
Date: 09/23/2010

PMP5855_2 BOM

COUNT	RefDes	Value	Description
2	C1, C18	1 uF	Capacitor, Ceramic, 25V, X7R, 20%
2	C2, C19	47 uF	Capacitor, Aluminum, SM, 25V, ±20%
2	C22, C24	1uF	Capacitor, Ceramic, Low Inductance, vvV, [temp], [tol]
2	C23, C25	22uF	Capacitor, Ceramic, vvV, [temp], [tol]
2	C26, C27	Open	Capacitor, Ceramic, Low Inductance, vvV, [temp], [tol]
5	C3, C10, C11, C13, C21	0.1 uF	Capacitor, Ceramic, 25V, X7R, 20%
8	C4, C5, C6, C7, C14, C15, C16, C17	220 uF	Capacitor, Aluminum, SM, 25V, ±20%
2	C8, C20	Open	Capacitor, Ceramic, 25V, X7R, 20%
2	C9, C12	0.022 uF	Capacitor, Ceramic, 10V, X7R, 10%
2	D1, D6	MBRM140	Diode, Schottky, 1A, 40V
2	D2, D5	BZD27C15P	Diode, Zener, 15 V @ 50 mA, 800 mW max., Pzsm = 300 W
2	D3, D4	LTST-C155KGJRKT	Diode, Dual LED, Water Clear, 80-mA, 35/25-mcd
1	J1		Connector, Powerstrip M, 4 pin
1	J10	PEC03SAAN	Header, Male 3-pin, 100mil spacing,
1	J26	RAPC 712	Connector, Pin dia.2.5mm, DC Jack,
16	J3, J4, J5, J6, J7, J13, J14, J15, J16, J17, J20, J21, J22, J23, J24, J25	PEC36SAAN	Header, 2-pin, 100-mil spacing
2	J306, J307	ED120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm
4	Q1, Q2, Q3, Q4	CSD16403Q5	MOSFET, NChan, 25V, 28A, 2.9 milliOhm
1	Q5	BSS84DW	MOSFET, Dual Pch, 50V, 130 mA
1	Q6	SI1972DH	MOSFET, Dual Nch, 30V, 1.3A, 190 milliOhms,
2	R1, R15	0.005	Resistor, Metal Strip, 1 W, 1%
2	R17, R21	10k	Resistor, Chip, 1/16W, 1%
2	R18, R22	249k	Resistor, Chip, 1/16W, 1%
2	R19, R23	4.99k	Resistor, Chip, 1/16W, 1%
4	R2, R16, R25, R26	Open	Resistor, Chip, 1/16W, 1%
2	R20, R24	51.1k	Resistor, Chip, 1/16W, 1%
2	R3, R14	1K	Resistor, Chip, 1/2 W, 5%
2	R4, R13	422	Resistor, Chip, 1/10 W, 1%
4	R5, R6, R11, R12	100	Resistor, Chip, 1/16W, 1%
2	R7, R8	4.99k	Resistor, Chip, 1/10 W, 5%
2	R9, R10	6.81K	Resistor, Chip, 1/16W, 1%
1	U1	TPS2456RHH	IC, Dual 12 V Hot Swap / ORing Controller

Notes:
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 of no clean flux is not acceptable.
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.

SIZE	PART NUMBER	MFR	AREA
0805	Std.	Std.	10560
Case D	EEV-FK1E470P	Panasonic	95700
0603	GRM39yyyxxxKvvv	muRata	5650
1206	GRM42-6yyyxxxKv	muRata	15390
0603	GRM39yyyxxxKvvv	muRata	5650
0805	Std.	Std.	10560
Case F	EEV-FK1E221P	Panasonic	182,450
0805	Std.	Std.	10560
0805	Std.	Std.	10560
457-04	MBRM140	On Semi	193800
D0-219AB	BZD27C15P	Vishay	20000
0.126 X 0.106 i	LTST-C155KGJRK	Lite On	30400
0.490 x 0.665 ir	MPT-06-6.30-01-L-	Samtec	780000
0.100 inch x 3	PEC03SAAN	Sullins	30000
0.57 x 0.35 inch	RAPC 712	Switchcraft	
0.100 in. x 2	PEC36SAAN	Sullins	
0.40 x 0.35 inch	ED120/2DS	OST	141600
QFN5X6mm	CSD16403Q5	TI	86800
SC-70	BSS84DW	Diodes	18600
SC-70	SI1972DH	Vishay	18600
2512	WSL2512-5L000FE	Vishay-Dale	35100
0603	CRCW0603-xxxx-F	Vishay	9100
0603	CRCW0603-xxxx-F	Vishay	9100
0603	CRCW0603-xxxx-F	Vishay	9100
0603	CRCW0603-xxxx-F	Vishay	9100
0603	CRCW0603-xxxx-F	Vishay	9100
2010	Std.	Std.	30800
0805	Std.	Std.	10560
0603	CRCW0603-xxxx-F	Vishay	9100
0805	Std.	Std.	10560
0603	CRCW0603-xxxx-F	Vishay	9100
QFN-36	TPS2456RHH	TI	90000

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