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11/15/2016			DMD0			RUMENTS
			PMP2	0531 REV B Bill of	Materiais 1101	
Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C25	1	100pF	C0603C101J5GAC	Kemet	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	603
C5, C6, C7, C8,	5	1000pF	C1608X7R2A102K080AA	TDK	CAP, CERM, 1000 pF, 100 V, +/- 10%, X7R, 0603	603
C20	Ũ	100001				000
C2, C4	2	0.01uF	06031C103KAT2A	AVX	CAP, CERM, 0.01 µF, 100 V, +/- 10%, X7R, 0603	603
C28		0.047uF	GRM188R71E473KA01D	MuRata	CAP, CERM, 0.047 µF, 25 V, +/- 10%, X7R, 0603	603
C26		0.015uF	GRM188R71E153KA01D	MuRata	CAP, CERM, 0.015 µF, 25 V, +/- 10%, X7R, 0603	603
C21		0.1uF	C1608X7R1E104K080AA	TDK	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X7R, 0603	603
C24		0.22uF	GRM188R71E224KA88D	MuRata	CAP, CERM, 0.22 µF, 25 V, +/- 10%, X7R, 0603	603
C11, C14, C27		0.1uF	C2012X7R2A104K125AA	TDK	CAP, CERM, 0.1 µF, 100 V, +/- 10%, X7R, 0805	805
C19, C29	2	1uF	GRM219R71E105KA88D	MuRata	CAP, CERM, 1 μF, 25 V, +/- 10%, X7R, 0805	805
C30	0	DNP	GRM21A5C2E470JW01D	MuRata	CAP, CERM, 47 pF, 250 V, +/- 5%, C0G/NP0, 0805	805
C15, C16, C17,	5	10uF	GRM31CR71C106KAC7L	MuRata	CAP, CERM, 10 µF, 16 V, +/- 10%, X7R, 1206	1206
C18, C22	-				- , - , - , - , , ,	
C12, C13	2	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2 µF, 100 V, +/- 10%, X7R, 1210	1210
C1, C3	2	1000pF	1812GC102KA1	AVX	CAP, CERM, 1000 pF, 2000 V, +/- 10%, X7R, 1812	1812
C9, C23	2	2200pF	C4532X7R3D222K130KA	TDK	CAP, CERM, 2200 pF, 2000 V, +/- 10%, X7R, 1812	1812
C10	1	22uF	EEE-FK2A220P	Panasonic	CAP, AL, 22uF, 100V, +/-20%, 1.3 ohm, SMD	SMT Radial F
D1	1		B1100-13-F	Diodes Inc.	Diode, Schottky, 100 V, 1 A, SMA	SMA
D2, D3	2		HD01-T	Diodes Inc.	Diode, Switching-Bridge, 100 V, 0.8 A, MiniDIP	MiniDIP
D4	1		DFLU1200-7	Diodes Inc.	Diode, Superfast Rectifier, 200 V, 1 A, AEC-Q101, PowerDI123	PowerDI123
D5	1		B2100A-13-F	Diodes Inc.	Diode, Schottky, 100 V, 2 A, SMB	SMB
D6, D7	2		MMSD4148T1G	ON Semiconductor	Diode, Switching, 100V, 0.2A, SOD-123	SOD-123
D8	1	5.1V	BZT52C5V1T-7	Diodes Inc.	Diode, Zener, 5.1 V, 300 mW, SOD-523	SOD-523
D9	1		BAT54S-7-F	Diodes Inc.	Diode, Schottky, 30V, 0.2A, SOT-23	SOT-23
D10	1	58V	SMAJ58A	Diodes Inc.	Diode, TVS, Uni, 58 V, 400 W, SMA	SMA
J1, J2	2		1-406541-1	TE Connectivity	RJ-45, No LED, tab up, R/A, TH	16.26x14.54x15.75
J3, J4	2		ED555/2DS	On-Shore Technology	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm
L1, L2, L3, L4	4	220 ohm	MPZ1608S221A	TDK	Ferrite Bead, 220 ohm @ 100 MHz, 2.2 A, 0603	603
L5	1	3.3uH	LPS3015-332MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 3.3 µH, 1.4 A, 0.13 ohm, SMD	LPS3015
Q1	1		FDC86244	Fairchild Semiconductor	MOSFET, N-CH, 150 V, 2.3 A, SuperSOT-6	SuperSOT-6
R10	1	0	ERJ-3GEY0R00V	Panasonic	RES, 0 ohm, 5%, 0.1W, 0603	603
R13	1	10	CRCW060310R0JNEA	Vishay-Dale	RES, 10 ohm, 5%, 0.1W, 0603	603
R1, R2, R3, R4	4	75	CRCW060375R0FKEA	Vishay-Dale	RES, 75.0 ohm, 1%, 0.1W, 0603	603
R17	1	90.9	CRCW060390R9FKEA	Vishay-Dale	RES, 90.9, 1%, 0.1 W, 0603	603
R18, R25	2	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	603
R21, R22, R24	3	2.00k	CRCW06032K00FKEA	Vishay-Dale	RES, 2.00k ohm, 1%, 0.1W, 0603	603
R11		3.01k	CRCW06033K01FKEA	Vishay-Dale	RES, 3.01 k, 1%, 0.1 W, 0603	603
R20		4.99k	CRCW06034K99FKEA	Vishay-Dale	RES, 4.99 k, 1%, 0.1 W, 0603	603
R23		6.49k	CRCW06036K49FKEA	Vishay-Dale	RES, 6.49 k, 1%, 0.1 W, 0603	603
R14	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	603
R15, R16	2	24.9k	CRCW060324K9FKEA	Vishay-Dale	RES, 24.9 k, 1%, 0.1 W, 0603	603
R8	1	36.5k	CRCW060336K5FKEA	Vishay-Dale	RES, 36.5 k, 1%, 0.1 W, 0603	603
R9	1	59.0k	CRCW060359K0FKEA	Vishay-Dale	RES, 59.0 k, 1%, 0.1 W, 0603	603
R12	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	603
R6	1	20	CRCW080520R0JNEA	Vishay-Dale	RES, 20 ohm, 5%, 0.125W, 0805	805
R5	1	39k	CRCW080539K0JNEA	Vishay-Dale	RES, 39k ohm, 5%, 0.125W, 0805	805
R19	1	0.3	CSR1206FKR300	Stackpole Electronics Inc	RES, 0.3, 1%, 0.5 W, 1206	1206
R7	1	10	CRCW120610R0JNEA	Vishay-Dale	RES, 10, 5%, 0.25 W, 1206	1206
R26	0	DNP	CRCW120675R0JNEA	Vishay-Dale	RES, 75, 5%, 0.25 W, 1206	1206

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
T1	1		H2019FNLT	Pulse Engineering	Transformer, 350uH, SMT	358x236x500mil
T2	1		UA8268-AL	Coilcraft	Transformer, Flyback, EP10, 30 uH, SMT	EP10, 8 pin SMD
U3	1		HMHA2801A		Optocoupler, 3.75 kV, 80-160% CTR, SMT	Mini Flat Package
U1	1		TPS23753APW		IEEE 802.3-2005 PoE Interface and Isolated Converter Controller with Enhanced ESD Ride-Through, -40 to 125 degC, 14-pin SOP (PW14), Green (RoHS & no Sb/Br)	PW0014A
U2	1		TL431AIDBVRA	Texas Instruments	Adjustable Precision Shunt Regulator, 34 ppm / degC, 100 mA, -40 to 85 degC, 5-pin SOT-23 (DBV), Green (RoHS & no Sb/Br)	DBV0005A

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