Filename: Pro6822.tmp
Variant: 001
Generated: 7/20/2017 3:29:14 PM
TID #: N/A

PMP21065A REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C11, C12, C13, C19, C20, C24, C25, C28, C30, C31, C37, C38, C40, C41, C50, C53, C54, C55, C61, C67, C68, C69	23	0.1uF	0402YC104KAT2A	AVX	CAP, CERM, 0.1 µF, 16 V, +/- 10%, X7R, 0402	0402
2	C2, C3, C7, C29, C39	5	10uF	GRM155R61A106ME21D	MuRata	CAP, CERM, 10 µF, 10 V, +/- 20%, X5R, 0402	0402
3	C5, C6, C15, C16, C22, C23, C33, C34, C43, C44, C46, C47, C57, C58, C63, C64	16	22uF	GRM187R61A226ME15D	MuRata	CAP, CERM, 22 µF, 10 V, +/- 20%, X5R, 0603	0603
4	C8	1	0.22uF	GRM155R61A224KE19D	MuRata	CAP, CERM, 0.22 µF, 10 V, +/- 10%, X5R, 0402	0402
5	C9, C10, C17, C18, C26, C27, C35, C36, C48, C49, C51, C52, C59, C60, C65, C66	16	10uF	EMK107BBJ106MA-T	Taiyo Yuden	CAP, CERM, 10 µF, 16 V, +/- 20%, X5R, 0603	0603
6	J1	1		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
7	J2	1		HTSW-103-07-G-S	Samtec	Header, 100mil, 3x1, Gold, TH	Header, 100mil, 3x1, TH
8	L1, L5, L7	3	2.2uH	PA4332.222NLT	Pulse Engineering	Inductor, Wirewound, Powdered Iron, 2.2 µH, 4.3 A, 0.048 ohm, SMD	4.2x4.2x2.0mm
9	L2, L3, L6, L8	4				Inductor, Shielded, Ferrite, 3.3 µH, 2.4 A, 0.0516 ohm, SMD	
10	L4	1				Inductor, Shielded, 3.3 µH, 3.3 A, 0.087 ohm, SMD	
11	R1, R6, R10, R20, R24, R25, R27, R28, R35, R37	10	10k	CRCW040210K0JNED	Vishay-Dale	RES, 10 k, 5%, 0.063 W, 0402	0402
12	R2, R12, R17, R43, R45	5	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
13	R3	1	5.76k	CRCW04025K76FKED	Vishay-Dale	RES, 5.76 k, 1%, 0.063 W, 0402	0402
14	R5, R9, R14, R23, R32, R34, R39, R42	8	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
15	R7	1	22.6k	CRCW040222K6FKED	Vishay-Dale	RES, 22.6 k, 1%, 0.063 W, 0402	0402
16	R11, R30, R40	3	33.2k	CRCW040233K2FKED	Vishay-Dale	RES, 33.2 k, 1%, 0.063 W, 0402	0402
17	R16	1	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402
18	R18	1	500	PNM0402E5000BST1	Vishay Thin Film	RES, 500, 0.1%, 0.05 W, 0402	0402
19	R21	1	54.9k	CRCW040254K9FKED	Vishay-Dale	RES, 54.9 k, 1%, 0.063 W, 0402	0402
20	R29, R36	2	2.49k	CRCW04022K49FKED	Vishay-Dale	RES, 2.49 k, 1%, 0.063 W, 0402	0402
21	TP1, TP2, TP5, TP7, TP8, TP11, TP12, TP13, TP15, TP19, TP20, TP23, TP24, TP27	14		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
22	TP3, TP4, TP6, TP9, TP10, TP14, TP16, TP17, TP18, TP21, TP22, TP25, TP26, TP28	14		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
23	U1, U3, U4, U10	4		TPS562201DDCR	Texas Instruments	4.5V to 17V Input, 2A Output, Synchronous Step-Down Converter, DDC0006A (SOT-23-T-6)	DDC0006A
24	U2	1		TPS51206DSQR	Texas Instruments	Single Output LDO, 2 A, with VTTREF Buffered Reference for DDR2, DDR3, DDR3L, 10-pin SON (DSQ), -40 to 85 degC, Green (RoHS & no Sb/Br)	DSQ0010A
25	U5	1		TLV71318PDQNR	Texas Instruments	Capacitor-Free, 150-mA, Low-Dropout Regulator With Foldback Current Limit for Portable Devices, DQN0004A (X2SON-4)	DQN0004A
26	U6	1		TPS22945DCKR	Texas Instruments	5.5V, 0.2A, 500mΩ, 100mA Current Limit Load Switch, DCK0005A (SOT-SC70-5)	DCK0005A
27	U7	1		TPS563201DDC/T	Texas Instruments	4.5V to 16 V Input, 3-A Synchronous Step-Down Voltage Regulator, DDC0006A (SOT-23-T-6)	DDC0006A
28	U8	1		TPS2065DDBVR	Texas Instruments	Current-Limited, Power-Distribution Switches, DBV0005A (SOT-23-5)	DBV0005A
29	U9, U11	2		TPS564201DDCR	Texas Instruments	4.5V to 17V Input, 4A Output, Synchronous Step-Down Converter, DDC0006A (SOT-23-T-6)	DDC0006A
30	U12	1		TPS561208DDCR	Texas Instruments	4.5-V to 17-V Input, 2-A Synchronous Step-Down Voltage Regulator, DDC0006A (SOT-23-T-6)	DDC0006A
31	U13	1		TLV71310PDQNR	Texas Instruments	Capacitor-Free, 150-mA, Low-Dropout Regulator With Foldback Current Limit for Portable Devices, DQN0004A (X2SON-4)	DQN0004A
32	C4, C14, C21, C32, C42, C45, C56, C62	0	0.1uF	0402YC104KAT2A	AVX	CAP, CERM, 0.1 µF, 16 V, +/- 10%, X7R, 0402	0402
33	R4, R8, R13, R15, R19, R22, R26, R31, R33, R38, R41, R44	0	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402

IMPORTANT NOTICE FOR TI DESIGN INFORMATION AND RESOURCES

Texas Instruments Incorporated ('TI") technical, application or other design advice, services or information, including, but not limited to, reference designs and materials relating to evaluation modules, (collectively, "TI Resources") are intended to assist designers who are developing applications that incorporate TI products; by downloading, accessing or using any particular TI Resource in any way, you (individually or, if you are acting on behalf of a company, your company) agree to use it solely for this purpose and subject to the terms of this Notice.

TI's provision of TI Resources does not expand or otherwise alter TI's applicable published warranties or warranty disclaimers for TI products, and no additional obligations or liabilities arise from TI providing such TI Resources. TI reserves the right to make corrections, enhancements, improvements and other changes to its TI Resources.

You understand and agree that you remain responsible for using your independent analysis, evaluation and judgment in designing your applications and that you have full and exclusive responsibility to assure the safety of your applications and compliance of your applications (and of all TI products used in or for your applications) with all applicable regulations, laws and other applicable requirements. You represent that, with respect to your applications, you have all the necessary expertise to create and implement safeguards that (1) anticipate dangerous consequences of failures, (2) monitor failures and their consequences, and (3) lessen the likelihood of failures that might cause harm and take appropriate actions. You agree that prior to using or distributing any applications that include TI products, you will thoroughly test such applications and the functionality of such TI products as used in such applications. TI has not conducted any testing other than that specifically described in the published documentation for a particular TI Resource.

You are authorized to use, copy and modify any individual TI Resource only in connection with the development of applications that include the TI product(s) identified in such TI Resource. NO OTHER LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE TO ANY OTHER TI INTELLECTUAL PROPERTY RIGHT, AND NO LICENSE TO ANY TECHNOLOGY OR INTELLECTUAL PROPERTY RIGHT OF TI OR ANY THIRD PARTY IS GRANTED HEREIN, including but not limited to any patent right, copyright, mask work right, or other intellectual property right relating to any combination, machine, or process in which TI products or services are used. Information regarding or referencing third-party products or services does not constitute a license to use such products or services, or a warranty or endorsement thereof. Use of TI Resources may require a license from a third party under the patents or other intellectual property of the third party, or a license from TI under the patents or other intellectual property of TI.

TI RESOURCES ARE PROVIDED "AS IS" AND WITH ALL FAULTS. TI DISCLAIMS ALL OTHER WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, REGARDING TI RESOURCES OR USE THEREOF, INCLUDING BUT NOT LIMITED TO ACCURACY OR COMPLETENESS, TITLE, ANY EPIDEMIC FAILURE WARRANTY AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT OF ANY THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

TI SHALL NOT BE LIABLE FOR AND SHALL NOT DEFEND OR INDEMNIFY YOU AGAINST ANY CLAIM, INCLUDING BUT NOT LIMITED TO ANY INFRINGEMENT CLAIM THAT RELATES TO OR IS BASED ON ANY COMBINATION OF PRODUCTS EVEN IF DESCRIBED IN TI RESOURCES OR OTHERWISE. IN NO EVENT SHALL TI BE LIABLE FOR ANY ACTUAL, DIRECT, SPECIAL, COLLATERAL, INDIRECT, PUNITIVE, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES IN CONNECTION WITH OR ARISING OUT OF TI RESOURCES OR USE THEREOF, AND REGARDLESS OF WHETHER TI HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

You agree to fully indemnify TI and its representatives against any damages, costs, losses, and/or liabilities arising out of your non-compliance with the terms and provisions of this Notice.

This Notice applies to TI Resources. Additional terms apply to the use and purchase of certain types of materials, TI products and services. These include; without limitation, TI's standard terms for semiconductor products http://www.ti.com/sc/docs/stdterms.htm), evaluation modules, and samples (http://www.ti.com/sc/docs/sampterms.htm).

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2017, Texas Instruments Incorporated