Filename: TIDA-00657_BOM.xls
Variant: 001
Generated: 3/18/2015 12:29:07 PM
SVN path: \$URL::
SVN rev: \$Rev:: \$

\$ TIDA-00657

December Column			TIDA-00657						
C		Quantity	Value	Description	PackageReference		Manufacturer	Alternate PartNumber	Alternate Manufacturer
Color Colo		1	2 2uF		1206			-	-
Control Cont						L			
COLD 1 2007		6	10uF	CAP, CERM, 10uF, 25V, +/-10%, X5R, 1206	1206	GRM31CR61E106KA12	MuRata		
Col. Col. 2		1	22uF	CAP, CERM, 22uF, 25V, +/-10%, X5R, 1210	1210	GRM32ER61E226KE15	MuRata		
CR. C. C. 2	C12	1	1000pF	CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0603	0603	GRM188R71H102KA01	MuRata		
CR. C. C. 2	C13 C24	2	0.047uF	CAP CERM 0.047uF 50V +/-10% X7R 0603	0603	D GRM188R71H473KA61	MuRata		
Col. Col. Col. Col. Col. Col. Col. Col.						D			
Col. Col.	C15, C20	2	1uF	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603	GRM188R71E105KA12 D	MuRata		
Cont.		7	0.1uF	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603	0603		MuRata		
Col.	C29, C30,								
Column		1	2.2uF	CAP, CERM, 2.2uF, 16V, +/-10%, X5R, 0603	0603	GRM188R61C225KE15	MuRata		
COD 1 4705F		2				D			
Col. 1 20004 Call College 2017 Call									
Col. 1 20004 Call College 2017 Call	C31, C32	2	100pF	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603	D C0603C101J5GAC	Kemet		
	C34	1	2200pF	CAP, CERM, 2200pF, 50V, +/-5%, C0G/NP0, 0805	0805	C2012C0G1H222J	TDK		
100.000 2 0 0 0 0 0 0 0 0	C37	1	2.2uF	CAP, CERM, 2.2uF, 10V, +/-10%, X7R, 0603	0603	GRM188R71A225KE15 D	MuRata		
10.5 10.									
	D5, D6	2		LED, Orange, SMD	1.6x0.8x0.8mm	LTST-C190KFKT	Lite-On		
J.		4		Bumpon, Hemisphere, 0.44 X 0.20, Clear	Transparent Bumpon	SJ-5303 (CLEAR)	ЗМ		
1.5		1		TERMINAL BLOCK 5.08MM VERT 2POS		ED120/2DS	On-Shore Technology, Inc.		
	J2	1		TERMINAL BLOCK 5.08MM VERT 3POS		ED120/3DS	On-Shore Technology, Inc.		
2P1_197_2 6					5.08mm		63.1		
195_976	JP1, JP2,								
Lil									
LELE		1	3.3uH		322x158x322mil	IHLP3232DZER3R3M01	Vishay-Dale		
11	LBL1	1			PCB Label 0.650"H x	THT-14-423-10	Brady	-	-
Dec.	04.00.00	-	001/			0004700000	•		NI
Col. 1	Q4, Q5	5							None
R1 R2									
R4	R1, R2		3.9	RES, 3.9 ohm, 5%, 0.5W, 1210	1210	ERJ-14YJ3R9U	Panasonic		Hono
186, Ref. 2 1.00Mag RES. 1.00Mag chm, 1%, 0.1W, 0603 0603 CRCW00003M00FKCA Vehay-Date		1							
RR 1	R5, R45	2	1.00Meg	RES, 1.00Meg ohm, 1%, 0.1W, 0603	0603	CRCW06031M00FKEA	Vishay-Dale		
188, R23 2									
R31, R32, R37, R33, R40, R41, R41, R42, R42, R43, R43, R43, R44, R44, R44, R44, R44									
R37, R39, R40, R41, R46, R52, 40 R65, 40		9	10.0k	RES, 10.0k ohm, 1%, 0.1W, 0603	0603	CRCW060310K0FKEA	Vishay-Dale		
R46	R37, R39,								
R12, R13,									
R15, R16 2	R12, R13,	3	4.02k	RES, 4.02k ohm, 1%, 0.1W, 0603	0603	CRCW06034K02FKEA	Vishay-Dale		
R19		2	0		0603	CRCW06030000Z0EA			
R20, R36 2 1006k RES, 100k ohm, 5%, 0.1W, 6903 0603 CRCW0609310KC,MEA Vishay-Dale		1							
R28, R27, 3 10.0 RES, 10.0 ohm, 1%, 0.1W, 0603 0603 RC0603FR.07/IORL Vageo America R29 R30, R38, R4 2.00k RES, 2.00k ohm, 1%, 0.1W, 0603 0603 CRCW06033K00FKEA Vishay-Dale R42, R44 R33 1 499k RES, 499k ohm, 1%, 0.1W, 0603 0603 CRCW060349K9FKEA Vishay-Dale R34 1 499 k RES, 499k ohm, 1%, 0.1W, 0603 0603 CRCW060349K9FKEA Vishay-Dale R35 1 140k RES, 140k ohm, 1%, 0.1W, 0603 0603 CRCW060340KFKEA Vishay-Dale R47 1 30.1k RES, 3.01k ohm, 1%, 0.1W, 0603 0603 CRCW0603340KFKEA Vishay-Dale R47 1 30.1k RES, 3.01k ohm, 1%, 0.1W, 0603 0603 CRCW0603340KFKEA Vishay-Dale R47 1 30.1k RES, 3.01k ohm, 1%, 0.1W, 0603 0603 CRCW060330K1FKEA Vishay-Dale R47 Vishay-D	R20, R36	2	100k	RES, 100k ohm, 5%, 0.1W, 0603	0603	CRCW0603100KJNEA	Vishay-Dale		
R30, R38,		1 3							
R42_R4d	R29						-		
R34		4	2.00k	RES, 2.00k ohm, 1%, 0.1W, 0603	0603	CRCW06032K00FKEA	Vishay-Dale		
R35									
R87									
TP4, TP5, TP8, TP9, TP10, TP10, TP10, TP11, TP12, TP13, TP17 TP14 1 Orange Test Point, Miniature, Orange, TH Orange Miniature 5003 Keystone Testspoint TP15, TP16 2 Black Test Point, Miniature, Black, TH Black Miniature 5001 Keystone Testspoint TP15, TP16 2 Black Test Point, Miniature, Black, TH Black Miniature 5001 Keystone Testspoint Testspoi	R47	1	30.1k	RES, 30.1k ohm, 1%, 0.1W, 0603	0603	CRCW060330K1FKEA	Vishay-Dale		
TP6, TP7, TP8, TP9, TP10, TP10, TP11, TP12, TP13, TP17 TP14		13	White	Test Point, TH, Miniature, White	Keystone5002	5002	Keystone		
TP10, TP11, TP12, TP13, TP17 TP14, TP12, TP13, TP17 TP14 1 Orange Test Point, Miniature, Orange, TH Orange Miniature 5003 Keystone Testpoint TP15, TP16 2 Black Test Point, Miniature, Black, TH Black Miniature 5001 Keystone Testpoint	TP6, TP7,								
TP11, TP12, TP13, TP17									
TP13, TP17	TP11,								
TP14									
TP15, TP16 2 Black		1	Orange	Test Point, Miniature, Orange, TH		5003	Keystone		
U1	TP15, TP16	2	Black	Test Point, Miniature, Black, TH	Black Miniature	5001	Keystone		
With Power Monitoring and /PROCHOT for CPU Throttling, RUY0028A Throttling, RUY0028A Throttling, RUY0028A Throttling, RUY0028A Throttling, RUY0028A Throttling, RUY0006A Throttling, RUY0006A	U1	1		1-4 Cell Turbo Boost Mode Battery Charge Controller		BQ24780SRUY	Texas Instruments		None
U2]	<u> </u>		with Power Monitoring and /PROCHOT for CPU					
Small Package, DRY0006A C8, C9 0 10uF CAP, CERM, 10uF, 25V, +/-10%, X5R, 1206 1206 GRM31CR61E106KA12 MuRata L L L L L L L L L	U2	1			DRY0006A	TPS3898ADRY	Texas Instruments		None
C11		0	10uF	Small Package, DRY0006A					
C14, C26 0 DNP CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603 0603 GRM188R71E104KA01 MuRata C17 0 1uF CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603 0603 GRM188R71E105KA12 MuRata C23 0 0.1uF CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603 0603 GRM188R71E104KA01 MuRata C33 0 100pF CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603 0603 C0603C101J5GAC Kemet D2 0 DNP Diode, Schottky, 30V, 0.2A, SOD-323 SOD-323 BAT54HT1G ON Semiconductor D8 0 DNP Diode, Schottky, 20V, 1A, SMA SMA SS12-E3/61T Vishay-Semiconductor						L			
C17 O 1uF CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603 0603 GRM188R71E105KA12 MuRata D D									
C23						D			
C33 0 100pF CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603 0603 C0603C101J5GAC Kemet D2 0 DNP Diode, Schottky, 30V, 0.2A, SOD-323 SOD-323 BAT54HT1G ON Semiconductor D8 0 DNP Diode, Schottky, 20V, 1A, SMA SMA SS12-E3/61T Vishay-Semiconductor	C17	U	TuF	CAP, CERM, 1ur, 25V, +/-10%, X7R, 0603	0603	GКМ188R71E105KA12 D	wukata		
D2 0 DNP Diode, Schottky, 30V, 0.2A, SOD-323 SOD-323 BAT54HT1G ON Semiconductor D8 0 DNP Diode, Schottky, 20V, 1A, SMA SMA SS12-E3/61T Vishay-Semiconductor	C23	0	0.1uF	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603	0603	GRM188R71E104KA01	MuRata		
D8 0 DNP Diode, Schottky, 20V, 1A, SMA SMA SS12-E3/61T Vishay-Semiconductor									

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
FID1, FID2,	0		Fiducial mark. There is nothing to buy or mount.	Fiducial	N/A	N/A		
FID3								
H1, H2, H3,	0		Machine Screw, Round, #4-40 x 1/4, Nylon, Philips	Screw	NY PMS 440 0025 PH	B&F Fastener Supply	-	-
H4			panhead					
H5, H6, H7,	0		Standoff, Hex, 0.5"L #4-40 Nylon	Standoff	1902C	Keystone	-	-
H8								
Q6	0	30V	MOSFET, N-CH, 30V, 47A, SON 3.3x3.3mm	SON 3.3x3.3mm	CSD17308Q3	Texas Instruments		None
R10	0	DNP	RES, 84.5k ohm, 0.1%, 0.1W, 0603	0603	RG1608P-8452-B-T5	Susumu Co Ltd		
R14	0	DNP	RES, 0 ohm, 5%, 0.1W, 0603	0603	CRCW06030000Z0EA	Vishay-Dale		
R25	0	DNP	RES, 100k ohm, 1%, 0.1W, 0603	0603	CRCW0603100KFKEA	Vishay-Dale		
TP1	0		Compact Probe Tip Circuit Board Test Points, TH, 25	TH Scope Probe	131-5031-00	Tektronix		
			per					
			12-Bit 4-Ch MUX-Input SAR ADC With Intelligent	RTE0016	ADS7924IRTER	Texas Instruments	-	-
	0		System Power Control					

Notes:
Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents

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 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