TIDA-00641_BOM.xls None 11/17/2015 12:03:44 AM 00641



TIDA-00641 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		TIDA-00641	Any	Printed Circuit Board	
C1	1	1uF	C0603C105K4PACTU	Kemet	CAP, CERM, 1uF, 16V, +/-10%, X5R, 0603	0603
C2, C11	2	2.2uF	C0603C225K8PACTU	Kemet	CAP, CERM, 2.2uF, 10V, +/-10%, X5R, 0603	0603
C3	1	0.01uF	C0603C103J5RACTU	Kemet	CAP, CERM, 0.01uF, 50V, +/-5%, X7R, 0603	0603
C4, C10	2	47uF	EEE-FK1E470P	Panasonic	CAP, AL, 47uF, 25V, +/-20%, 0.36 ohm, SMD	SMT Radial D
C5	1	2.2uF	C0603C225M8PACTU	Kemet	CAP, CERM, 2.2uF, 10V, +/-20%, X5R, 0603	0603
C6	1	0.1uF	C0603C104K4RACTU	Kemet	CAP, CERM, 0.1uF, 16V, +/-10%, X7R, 0603	0603
C7, C8, C12, C13	4	0.1uF	06033C104KAT2A	AVX	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603	0603
C9	1	1000pF	C0603C102K5RACTU	Kemet	CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0603	0603
D1, D3	2	LTST- C190GKT	LTST-C190KRKT	Lite On	LED SUPER RED CLEAR 0603 SMD	603
D2	1	LTST- C190GKT	LTST-C190GKT	Lite On	Diode, LED, Green, 2.1-V, 20-mA, 6-mcd	603
FID1, FID2, FID3	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
J2	1		TSW-104-07-G-S	Samtec, Inc.	Header, TH, 100mil, 4x1, Gold plated, 230 mil above insulator	TSW-104-07-G-S
P1, P2, P3, P4	4		952-2265-ND	Harwin Inc.	Header, 6-Pin, Header, 4-Pin, Header, 4-Pin, Header, 2-Pin	
R1	1	0	ERJ-3GEY0R00V	Panasonic	RES, 0 ohm, 5%, 0.1W, 0603	0603
R2	1	47k	CRCW060347K0JNEA	Vishay-Dale	RES, 47k ohm, 5%, 0.1W, 0603	0603
R3, R4, R5	3	390	RC0603FR-07390RL	Yageo America	RES, 390 ohm, 1%, 0.1W, 0603	0603
R6, R7, R8, R9	4	0.25	CSRN2512FKR250	Stackpole Electronics Inc	RES, 0.25 ohm, 1%, 2W, 2512	2512
S1, S2, S3	3		CKN6055-ND	C&K Components	SWITCH DIP TOP SLIDE 2POS 24V	DIP-4
U1	1		LP2985IM5-3.3	Texas Instruments	Micropower 150 mA Low-Noise Ultra Low-Dropout Regulator, 5-pin SOT-23	MF05A
U2	1		TLV803SDBZR	Texas Instruments	IC VOLT SUPERVISR 2.93V SOT23-3	SOT-23
U3, U6	2		DRV8848PWPR	Texas Instruments	IC MOTOR DRIVER PAR 16HTSSOP	PWP0016
U4	1		MSP430G2553IPW28	Texas Instruments	IC MCU 16BIT 16KB FLASH 28TSSOP	TSSOP-28
U5, U7	2		SN74LVC2G14DBVR	Texas Instruments	Dual Schmitt-Trigger Inverter	DBV0006A

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