Variant: 001
Generated: 2/14/2022 8:56 AM
TID #: TIDA-060039

TIDA-060039 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		TIDA-060039	Any	Printed Circuit Board	
2	C1, C3, C10, C11, C23	5	1uF	GRM155R70J105MA12D	MuRata	CAP, CERM, 1 uF, 6.3 V, +/- 20%, X7R, 0402	402
3	C2, C4, C12, C18, C19, C24, C25, C26, C27, C28	10	0.1uF	C1005X7R1H104K050BB	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0402	402
4	C5, C6, C7, C8, C13, C14, C15, C16	8	220pF	06035A221FAT2A	AVX	CAP, CERM, 220 pF, 50 V, +/- 1%, C0G/NP0, 0603	603
5	C9, C17	2	1000pF	GRM1885C1H102FA01J	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 1%, C0G/NP0, 0603	603
6	C20, C21, C22	3	1uF	UMK107AB7105KA-T	Taiyo Yuden	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 0603	603
7	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23	23	Green	LTST-C190GKT	Lite-On	LED, Green, SMD	1.6x0.8x0.8mm
8	FID1	1		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
9	J2	1		NRPN062PARN-RC	Sullins Connector Solutions		HDR12
10	LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650 x 0.200 inch
11	M1	1		G1040003D	Jinlong Machinery & Electron	VIBRATION MOTOR COIN LRA 170HZ	SOLDER_TAB_MOTOR
12	Q1	1	40 V	MMDT3904-7-F	Diodes Inc.	Transistor, Dual NPN, 40 V, 0.2 A, SOT-363	SOT-363
13	R1, R10, R11, R24, R25, R26, R27, R28, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R43	20	4.70k	ERJ-2RKF4701X	Panasonic	RES, 4.70 k, 1%, 0.1 W, 0402	402
14	R2, R3, R4, R5, R6, R7, R8, R9, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R29, R41, R42	23	390	CRCW0402390RJNED	Vishay-Dale	RES, 390, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	402
15	U1	1		TMAG5273A2QDBVR	Texas Instruments	3-Axis Linear Hall Effect Sensor With I2C Interface SOT23-6	SOT23-6
16	U2, U4	2		LDC3114PWR	Texas Instruments	4-channel hybrid inductive touch and inductance to digital converter	TSSOP16
17	U3	1		DRV2605YZF	Texas Instruments	Haptic Driver for ERM and LRA with Built-In Library and Smart Loop Architecture, YZF0009ADAD (DSBGA-9)	YZF0009ADAD
18	U5, U8, U9	3		TCA9534ADWR	Texas Instruments	I/O Expander 8 I²C 400 kHz 16-SOIC	SOIC16
19	U6	1		SN74AVCH4T245RSVR	Texas Instruments	4-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs, RSV0016A (UQFN-16)	RSV0016A
20	U7	1		PCA9543APWR	Texas Instruments	Two-Channel I2C-Bus Switch with Interrupt Logic and Reset, 2.3 to 5.5 V, -40 to 85 degC, 14-pin TSSOP (PW), Green (RoHS & no Sb/Br)	PW0014A
21	U10	1		TLV75518PDBVR	Texas Instruments	500-mA, Low IQ, Small Size, Low Dropout Regulator, DBV0005A (SOT-23-5)	DBV0005A
22	1.8V, 3.3V, GND, SCL, SDA	0		5015	Keystone	Test Point, Miniature, SMT	Testpoint_Keystone_Miniature
23	FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
24	J1	0		TSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	2x1 Header

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATA SHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES “AS IS” AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, regulatory or other requirements.

These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI’s products are provided subject to TI’s Terms of Sale or other applicable terms available either on ti.com or provided in conjunction with such TI products. TI’s provision of these resources does not expand or otherwise alter TI’s applicable warranties or warranty disclaimers for TI products.

TI objects to and rejects any additional or different terms you may have proposed.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2022, Texas Instruments Incorporated