

TIDA-01565 Bill of Materials

REFERENCE DESIGNATOR	QUANTITY	VALUE	DESCRIPTION	PACKAGE REFERENCE	PART NUMBER	MANUFACTURER	ALTERNATE PART NUMBER	SUPPLIER 1	AVAILABILITY	ROHS (DIGI-KEY)	ROHS (GREEN SOFT)	LEAD FREE STATUS	LEAD FREE STATUS (GREEN SOFT)	REACH STATUS (DIGI-KEY)	REACH STATUS (GREEN SOFT)	REACH EFFECTIVE DATE (DIGI-KEY)	DESCRIPTION (DIGI-KEY)	MANUFACTURER (DIGI-KEY)	MANUFACTURER PART NUMBER (DIGI-KEY)	DIGI-KEY PART NUMBER (DIGI-KEY)
!PCB	1		Printed Circuit Board		TIDA-01565	Any														
C1, C2, C3	3	22uF	CAP, CERM, 22 uF, 10 V, +/- 20%, X5R, 0603	0603	GRM187R61A226ME15D	MuRata			Active	YES		LEAD FREE					CAP CER 22UF 10V X5R 0603	Murata Electronics North America	GRM187R61A226ME15D	E490-13243-1-ND
C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15	12	0.1uF	CAP, CERM, 0.1 uF, 10 V, +/- 10%, X5R, 0402	0402	C1005X5R1A104K050BA	TDK			Active	YES	YES	LEAD FREE	LEAD FREE	REACH NOT AFFECT ED	REACH NOT AFFECT ED	Jan-2017	CAP CER 0.1UF 10V X5RTDK Corporation	TDK	C1005X5R1A104K050BA	E445-1265-1-ND
H1, H2, H3, H4	4		Machine Screw, Round, #4-40 x 1/4, Nylon, Phillips Screw panhead		NY PMS 440 0025 PH	B&F Fastener Supply			Active	YES		LEAD FREE					MACHINE SCREW PAN PHILLIPS 4-40	B&F Fastener Supply	NY PMS 440 0025 PH	H542-ND
H5, H6, H7, H8	4		Standoff, Hex, 0.5"L #4-4C Nylon	Standoff	1902C	Keystone			Active	YES	YES	LEAD FREE	LEAD FREE	REACH NOT AFFECT ED	REACH NOT AFFECT ED	Jul-2017	HEX STANDOFF #4 40 NYLON 1/2"	Keystone Electronics	1902C	36-1902C-ND
J1, J5, J6, J8, J9, J12, J18	7		SMA JACK 50 OHM EDGE MNT, SMT	SMA JACK 50 OHM EDGE MNT, SMT	901-10309	Amphenol-Tuchel Electronics			Active	YES		LEAD FREE					CONN SMA RCPT STR 50OHM EDGE	Amphenol RF Division	901-10309	ARF1744-ND
J2, J3, J4, J7, J11, J15, J16	7		Header, 100mil, 2x1, Gold TH	2x1 Header	TSW-102-07-G-S	Samtec			Active	YES	YES	LEAD FREE	LEAD FREE	REACH NOT AFFECT ED	REACH NOT AFFECT ED	Jan-2017	CONN HEADER 2POS .100" SGL GOLD	Samtec Inc.	TSW-102-07-G-S	SAM1029-02-ND
J10	1		Header, 100mil, 4x2, Gold TH	4x2 Header	TSW-104-07-G-D	Samtec			Active	YES	YES	LEAD FREE	LEAD FREE	REACH NOT AFFECT ED	REACH NOT AFFECT ED	Jan-2017	CONN HEADER 8POS .100" DUAL GOLD JACK NOM	Samtec Inc.	TSW-104-07-G-D	SAM1028-04-ND
J13, J14, J17	3		Standard Banana Jack, Uninsulated	Keystone_6095	6095	Keystone			Active	YES	YES	LEAD FREE	LEAD FREE	REACH NOT AFFECT ED	REACH NOT AFFECT ED	Jul-2017	INSULATED RECESSED HEAD	Keystone Electronics	6095	36-6095-ND
LBL1	1		Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650 x 0.200 inch	THT-14-423-10	Brady							LEAD FREE							
R1, R25	2	10k	RES, 10 k, 5%, 0.0625 W, 3.2x1.6mm	3.2x1.6mm	TC164-JR-0710KL	Yageo America			Active	YES	EXEMPT	LEAD FREE	LEAD	REACH NOT AFFECT ED	REACH NOT AFFECT ED	Jul-2017	RES ARRAY 4 RES 10K OHM	Yageo	TC164-JR-0710KL	TC164J-10KCT-ND
R2, R5, R8, R14, R17, R19, R20, R21, R22, R23, R24	11	49.9	RES, 49.9, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603	ERJ-3EKF49R9V	Panasonic			Active	YES	EXEMPT	LEAD FREE	LEAD	REACH NOT AFFECT ED	REACH NOT AFFECT ED	Jan-2017	RES SMD 49.9 OHM 1% 1/10W 0603	Panasonic Electronic Components	ERJ-3EKF49R9V	P49.9HCT-ND
R3, R4, R6, R7, R12, R13, R15, R16	8	2.00k	RES, 2.00 k, 0.1%, 0.1 W, 0603	0603	RT0603BRD072KL	Yageo America			Active	YES		LEAD FREE		REACH NOT AFFECT ED		Jul-2017	RES SMD 2K OHM 0.1% 1/10W 0603	Yageo	RT0603BRD072KL	YAG1626CT-ND
R9	1	1.96k	RES, 1.96 k, 1%, 0.1 W, 0603	0603	RC0603FR-071K96L	Yageo America			Active	YES		LEAD FREE		REACH NOT AFFECT ED		Jul-2017	RES SMD 1.96K OHM 1% 1/10W 0603	Yageo	RC0603FR-071K96L	311-1.96KCHRCT-ND
R10	1	51.1	RES, 51.1, 1%, 0.1 W, 0603	0603	RC0603FR-0751R1L	Yageo America			Active	YES	EXEMPT	LEAD FREE	LEAD	REACH NOT AFFECT ED	REACH NOT AFFECT ED	Jul-2017	RES SMD 51.1 OHM 1% 1/10W 0603	Yageo	RC0603FR-0751R1L	311-51.1HRCT-ND
R11	1	0	RES, 0, 5%, 0.1 W, 0603	0603	RC0603JR-070RL	Yageo America			Active	YES	EXEMPT	LEAD FREE	LEAD	REACH NOT AFFECT ED	REACH NOT AFFECT ED	Jul-2017	RES SMD 0 OHM JUMPER 1/10W 0603	Yageo	RC0603JR-070RL	311-0.0GRCT-ND
R18	1	100k	RES, 100 k, 0.1%, 0.1 W, 0603	0603	RT0603BRD07100KL	Yageo America			Active	YES	EXEMPT	LEAD FREE	LEAD	REACH NOT AFFECT ED	REACH NOT AFFECT ED	Jul-2017	RES SMD 100K OHM 0.1% 1/10W 0603	Yageo	RT0603BRD07100KL	YAG1235CT-ND
S1	1		Switch, SPST 4 Pos, Top Actuated, SMT	SMD, 8-Leads, Body 11.93x6.95mm, Pitch 2.54mm	219-4LPST	CTS Electrocomponents			Active	YES	YES	LEAD FREE	LEAD FREE	REACH NOT AFFECT ED	REACH NOT AFFECT ED		SWITCH SLIDE DIP SPST 100MA 20V	CTS Electrocomponents	219-4LPST	CT2194LPST-ND
SH-J1, SH-J2, SH-J3, SH-J4, SH-J5, SH-J6, SH-J7, SH-J8, SH-J9, SH-J10, SH-J11	11	1x2	Shunt, 100mil, Gold plated, Black		382811-6	AMP			Active	YES	YES	LEAD FREE	LEAD FREE	REACH NOT AFFECT ED	REACH NOT AFFECT ED		CONN SHUNT 2POS OPEN 2.54MM	TE Connectivity AMP Connectors	382811-6	A26227-ND
TP1	1		Test Point, Miniature, Black, TH	Black Miniature Testpoint	5001	Keystone			Active	YES	YES	LEAD FREE	LEAD FREE	REACH NOT AFFECT ED	REACH NOT AFFECT ED	Jul-2017	TEST POINT PC MINI .040" BLACK	Keystone Electronics	5001	36-5001-ND
U1, U2, U3, U4	4		Low Power, Precision, 105MHz, Voltage Feedback Op Amp, DBV0006A (SOT-6)	DBV0006A	OPA837IDBVR	Texas Instruments	OPA837IDBVR	Texas Instruments	Active	YES		LEAD FREE					LOW POWER HIGH SPEED OP AMP	Texas Instruments	OPA837IDBVR	296-49253-1-ND
U5	1		2-Line-to-4-Line Decoder, DCT0008A, LARGE T&R	DCT0008A	SN74LVC1G139DCTR	Texas Instruments														
U6	1		Dual High-Performance, Low-Voltage Operational Amplifier, 2 to 5 V, -40 to 85 degC, 8-pin SOIC (D8), Green (RoHS & no Sb/Br)	D0008A	TLV2362ID	Texas Instruments			Non-Stock	YES		LEAD FREE		REACH NOT AFFECT ED		Jul-2017	IC OPAMP GP 7MHZ 8SOIC	Texas Instruments	TLV2362ID	296-10525-5-ND
U7, U8	2		Dual Inverter, DCK0006A, SMALL T&R	DCK0006A	SN74LVC2G04DCKT	Texas Instruments			Active	YES		LEAD FREE		REACH NOT AFFECT ED		Jul-2017	IC INVERTER 2CH 2-INP SC70-6	Texas Instruments	SN74LVC2G04DCKT	296-26613-1-ND
C16	0	330pF	CAP, CERM, 330 pF, 50 V, +/- 5%, COG/NP0, 0603	0603	06035A331JAT2A	AVX			Active	YES		LEAD FREE		REACH NOT AFFECT ED		Jul-2017	CAP CER 330PF 50V COG/NP0 0603	AVX Corporation	06035A331JAT2A	478-1181-1-ND
FID1, FID2, FID3, FID4, FID5, FID6	0		Fiducial mark. There is nothing to buy or mount.	N/A	N/A	N/A					EXEMPT		LEAD							

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