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 2/11/2020 4:37 PM
 TIDA-060019



XX#### REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		XX####	Any	Printed Circuit Board	
!PCB2	1		PA007A	Any	PHI-EVM-CONTROLLER	N/A
@H1, @H2	2		RM3X4MM 2701	APM HEXSEAL	Machine Screw Pan PHILLIPS M3	
@H3, @H4,	4		1891	Keystone	Hex Standoff, #4-40, Aluminum, 1/4"	1/4 inch Aluminum
C1, C4, C5, C13	4	1.5pF	06035A1R5CAT2A	AVX	CAP, CERM, 1.5 pF, 50 V, +/- 17%, C0G/NP0, 0603	0603
C2, C7, C15	3	0.1uF	GRM188R71C104KA01D	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0603	0603
C3, C10, C12, C1	4	15pF	GCM1885C2A150JA16D	MuRata	CAP, CERM, 15 pF, 100 V,+/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0603	0603
C6, C11	2	0.5pF	06035A0R5CAT2A	AVX	CAP, CERM, 0.5 pF, 50 V, +/- 50%, C0G/NP0, 0603	0603
C8, C9	2	10pF	885012006073	Würth Elektronik	CAP, CERM, 10 pF, 100 V,+/- 5%, C0G/NP0, 0603	0603
FID1, FID2, FID3	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
H1, H2, H3, H4	4		PMSSS 440 0025 PH	B&F Fastener Supply	MACHINE SCREW PAN PHILLIPS 4-40	Machine Screw, 4-40,
J1	1		1715721	Phoenix Contact	Terminal Block, 5.08 mm, 2x1, TH	2POS Terminal Block
J2	1		73100-0105	Molex	Connector, BNC Jack, 50 Ohm, R/A, TH	Connector, BNC
R1, R8, R9, R22	4	10.0k	RC0603FR-0710KL	Yageo	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R2	1	0.001	CRE2512-FZ-R001E-3	Boums	RES, 0.001, 1%, 3 W, AEC-Q200 Grade 0, 2512	2512
R3, R4, R6, R10,	12	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R5, R7, R17,	8	20.0k	RC0603FR-0720KL	Yageo	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R11, R16	2	5.10k	RC0603FR-075K1L	Yageo	RES, 5.10 k, 1%, 0.1 W, 0603	0603
S1	1		1825165-1	TE Connectivity	Switch, DP4T, Slide, On-On-On-On, 0.3, 125 VAC, TH	18.01x6.2mm
SW1	1		SS-14D0839-VG 5 PA	C&K	Slide Switch SP4T Through Hole	PTH_SW_14MM6_4
TP1	1		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose
TP2	1		5127	Keystone	Test Point, Multipurpose, Blue, TH	Blue Multipurpose
TP4	1		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose
TP5	1		5007	Keystone	Test Point, Compact, White, TH	White Compact
U1	1		OPA365AQDBVRQ1	Texas Instruments	Automotive Catalog, 50 MHz, Low-Noise, Single-Supply Rail-to-Rail	DBV0005A
U2	1		OPA2836QDGKRQ1	Texas Instruments	Very-Low Power, Rail-to-Rail Out, Negative-Rail In, Voltage-Feedback	DGK0008A
U3	1		OPA607IDBVR	Texas Instruments	50-MHz, Low-Power, Gain of 6-V/V Stable, Rail-to-Rail Output CMOS	DBV0005A
C14, C17	0	1.5pF	06035A1R5CAT2A	AVX	CAP, CERM, 1.5 pF, 50 V, +/- 17%, C0G/NP0, 0603	0603

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