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 Variant: 001
 Generated: 11/20/2018 10:04:51 AM
 TID #: TIDA-01525



TIDA-01525 REV A1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		TIDA-01525	Any	Printed Circuit Board	
2	C1, C2, C5, C6, C7, C8, C9, C10, C11, C12, C13	11	0.1uF	160R07X104KV4T	Johanson Technology	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X5R, 0402	0402
3	C3, C4	2	10uF	C1608X5R1E106M080AC	TDK	CAP, CERM, 10 uF, 25 V, +/- 20%, X5R, 0603	0603
4	J1_TOP, J2_TOP	2		FTS-108-02-L-DV	Samtec	Header, 50mil, 8x2, Gold, SMT	Header, 8x2, 1.27mm, SMT
5	J1_BOTTOM, J2_BOTTOM	2		FTSH-108-01-L-DH	Samtec	Header, 1.27mm, 8x2, Gold, R/A, SMT	Header, 1.27mm, 8x2, R/A, SMT
6	Q1, Q2, Q5, Q6, Q9, Q10, Q13, Q14	8	12V	CSD13381F4	Texas Instruments	MOSFET, N-CH, 12 V, 2.1 A, YJC0003A (PICOSTAR-3)	YJC0003A
7	Q3, Q4, Q7, Q8, Q11, Q12, Q15, Q16	8	-12V	CSD23285F5	Texas Instruments	MOSFET, P-CH, -12 V, -3.3 A, YJK0003A (PICOSTAR-3)	YJK0003A
8	R0	1	0	MCR01MZPJ000	Rohm	RES, 0, 5%, 0.063 W, 0402	0402
9	RMIR1, RMIR2, RMIR3, RMIR4, RMIR5, RMIR6, RMIR7, RMIR8	8	2.00k	RG1005P-202-B-T5	Susumu Co Ltd	RES, 2.00 k, 0.1%, 0.063 W, 0402	0402
10	RSET1, RSET2, RSET3, RSET4, RSET5, RSET6, RSET7, RSET8	8	4.99k	ERA-2AEB4991X	Panasonic	RES, 4.99 k, 0.1%, 0.063 W, 0402	0402
11	RSNS1, RSNS2, RSNS3, RSNS4, RSNS5, RSNS6, RSNS7, RSNS8, RSNS9, RSNS10, RSNS11, RSNS12, RSNS13, RSNS14, RSNS15, RSNS16	16	4.99	CRT0603-BY-4R99ELF	Bourns	RES, 4.99, 0.1%, 0.1 W, 0603	0603
12	U1	1		DAC80508YZFR	Texas Instruments	Octal, True 16-/14-/12-Bit, SPI Voltage Output DAC with Precision Internal Reference, YZF0016-C01 (DSBGA-16)	YZF0016-C01
13	U2, U3, U4, U5, U6, U7, U8, U9	8		OPA2376AIYZDR	Texas Instruments	Precision, Low Noise, Low Quiescent Current Operational Amplifier, YZD0008ANAP (DSBGA-8)	YZD0008ANAP

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
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