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U13  
MAX6166AESA

5V  
0.1uF/50V  
GND

1 2 3 4  
NC IN NC  
NC OUT NC  
GND NC

8 7 6 5  
NC NC  
NC NC

2.5V  
C48 2.2uF/50V  
C49 0.1uF/50V  
GND GND

Title		
Size A3	Number	Revision
Date: 2017/2/17	Sheet of	
File: C:\Home\DebugDA.SchDoc	Drawn By:	

Comment	Description	Designator	Footprint	LibRef	Quantity
1nF/50V	1nF/50V, X7R, 10%, 0603 MLCC	C1, C2, C7, C8, C13, C14, C24, C25, C26, C27, C34, C35, C36, C37, C44, C45	C_0603	C0603, 1nF/50V X7R	16
0.1uF/50V	0.1uF/50V, X7R, 10%, 0603 MLCC	C3, C4, C5, C6, C17, C18, C21, C22, C28, C29, C30, C31, C32, C33, C38, C39, C41, C42, C43, C47, C49	C_0603	C0603, 0.1uF/50V X7R	21
10uF/16V	10uF/16V, X5R, 10%, 1206 MLCC	C9, C11, C15, C19, C23, C40	C_1206	C1206, 10uF/16V, X5R	6
0.1uF/100V	C0805, 0.1uF/100V X7R, 10%, 0805 MLCC	C10, C12, C16, C20	C_0805	C0805, 0.1uF/100V X7R	4
10nF/50V	10nF/50V, X7R, 10%, 0603 MLCC	C46	C_0603	C0603, 10nF/50V X7R	1
2.2uF/50V	C0805, 2.2uF/50V X5R, 10%, 0805 MLCC	C48	C_0805	C0805, 2.2uF/50V X5R	1
ECH350R-4P	DINKLE ECH Socket, 4Pin, 3.5mm Right Angle	CN1, CN3, CN4, CN5, CN6	ECH350R-4P	ECH350R-4P	5
SIP_2.54_6P	Header 2.54, 6P	CN2	SIP_2.54_6P	SIP_2.54_6P	1
1SS396	Diode Silicon Epitaxial Schottky Barrier Type	D1, D2, D3, D4, D5, D6, D7, D8	TO-236MOD	1SS396	8
3K	Thick Film Chip Resistance, packaging size is 0603(1608)	R1, R2, R7, R8, R12, R13, R18, R19, R22, R23, R32, R33, R38, R39, R45, R46	R_0603	R0603	16
12K	Thick Film Chip Resistance, packaging size is 0603(1608)	R3, R4, R9, R10, R14, R15, R20, R21, R24, R25, R36, R37, R40, R41, R47, R48	R_0603	R0603	16
200R	Thick Film Chip Resistance, packaging size is 0805(2012)	R5, R6, R16, R17, R29, R30, R43, R44	R_0805	R0805	8
0Ω	Thick Film Chip Resistance, packaging size is 1210(3225)	R11	R_1210	R1210	1
100	Thick Film Chip Resistance, packaging size is 0603(1608)	R26, R27, R28, R31	R_0603	R0603	4
10K	Thick Film Chip Resistance, packaging size is 0603(1608)	R34, R35, R42, R49	R_0603	R0603	4
GBLC12C	SOD-323 Single Line TVS Diode for ESD Protection	TVS1, TVS2, TVS3, TVS4	SOD-323-TVS	GBLC12C-LF-T7	4
LMC7101BIM5	Tiny Low Power Operational Amplifier with Rail-to-Rail Input and Output	U1, U2, U4, U5, U8, U9, U11, U12	SOT23-5	LMC7101BIM5	8
B21NH-0515D	DC/DC Converter(5V->±15V), 3KV	U3	B21NH-05xxD	B21NH-0515D	1
LM1117IMP-5.0	800mA Low-Dropout Linear Regulator	U6	SOT-223	LM1117IMP-5.0	1
ISO7641FCDW	Low-Power Triple and Quad-Channels Digital Isolators	U7	SOIC-16-7.5mm	ISO7641FCDW	1
AD5668BRUZ	8 CH DAC, 16-Bit SPI Voltage Output, ± 5ppm/°C	U10	TSSOP-16	AD5668BRUZ	1
MAX6166AESA	2.5V Voltage Reference	U13	SOIC-8	MAX6166AESA	1