

BILL OF MATERIALS for TAS5624ADDVEVM (RevB)

May 6, 2013

ITEM	MANU PART NUM	MANU	QTY	REF DESIGNATORS	DESCRIPTION
1	TAS5624ADDV	TEXAS INSTRUMENTS	1	U1	125W-STEREO/250W-MONO PUREPATH DIGITAL AMP HTSSOP44-DDV ROHS
2	TAS5558DCA	TEXAS INSTRUMENTS	1	U2	8 CHAN HD AUDIO PROCESSOR W/PWM OUTPUTS HTSSOP56-DCA ROHS
3	TPS3825-33DBVT	TEXAS INSTRUMENTS	1	U3	PROCESSOR SUPERVISORY CIRCUITS 2.93V 200ms SOT23-DBV5 ROHS
4	TLV1117-33CDCYR	TEXAS INSTRUMENTS	1	VR1	VOLT REG LDO 3.3V 800mA SOT223-DCY ROHS
5	2N7002	FAIRCHILD	4	Q1,Q2,Q3,Q4	N-FET 60V 115mA 200mW 7.5 OHM@10V SOT23-DBV3 ROHS
6	SML-LXT0805SRW-TR	LUMEX OPTO	3	125C, FAULT, AMP_RESET	LED, RED 2.0V SMD0805 ROHS
7	SML-LXT0805YW-TR	LUMEX OPTO	1	CLIP	LED, YELLOW 2.0V SMD0805 ROHS
8	EEU-FC1C470	PANASONIC	4	C1,C51,C73, C75	CAP 47UF 16V RAD ALUM ELEC FC ROHS
9	GRM188R71C104KA01D	MURATA	17	C2, C3, C4, C7, C32, C50, C52, C53, C59, C60, C62, C63, C64, C65, C74, C76, C77	CAP SMD0603 CERM 0.1UF 16V 10% X7R ROHS
10	C1608X7R1C105K	TDK	2	C5,C6	CAP SMD0603 CERM 1.0UF 16V 10% X7R ROHS
11	GRM21BR71H105KA12L	MURATA	5	C8,C9,C10,C11,C71	CAP SMD0805 CERM 1.0UF 50V 10% X7R ROHS
12	EEU-FC1H102	PANASONIC	2	C12,C14	CAP ALUM ELEC FC RADIAL 1000UF 50V 20% ROHS
13	GRM188R71H333KA61D	MURATA	4	C16,C17,C18,C19	CAP SMD0603 CERM 0.033UF 50V 10% X7R ROHS
14	MKP4 -.68/250/20	WIMA	4	C20,C23,C26,C29	CAP POLYPRO FILM MKP4 0.68UF 250V 20% ROHS
15	C1206C102K1RACTU	KEMET	4	C21,C24,C27,C30	CAP SMD1206 CERM 1000PFD 100V 1% C0G ROHS
16	GRM21BR72A103KA01L	MURATA	5	C22,C25,C28,C31,C70	CAP SMD0805 CERM 0.01UF 100V 10% X7R ROHS
17	GRM188R71H472KA01D	MURATA	2	C54,C55	CAP SMD0603 CERM 4700PFD 50V 10% X7R ROHS
18	GRM188R71C473KA01D	MURATA	2	C56,C57	CAP SMD0603 CERM 0.047UF 16V 10% ROHS
19	GRM21BR61C106KE15L	MURATA	3	C58,C61,C66	CAP SMD0805 CERM 10UF 16V 10% X5R ROHS
20	UKZ1H470MPPM	NICHICON	1	C72	CAP ALUM ELEC KZ RADIAL 47UF 50V 20% ROHS
21	ERJ-3GEYJ3R3V	PANASONIC	8	R1, R7, R8, R9, R10, R11, R14, R60	RESISTOR SMD0603 3.3 OHMS 5% 1/10W ROHS
22	RC0603FR-0730KL	YAGEO	1	R2	RESISTOR SMD0603 THICK FILM 30.0K 1% 1/10W ROHS
23	ERJ-3GEYJ473V	PANASONIC	1	R3	RESISTOR SMD0603 47K OHMS 5% 1/10W ROHS
24	CRCW0603100RFKEA	VISHAY	3	R4,R5,R6	RESISTOR SMD0603 100 OHM 1/10W 1% ROHS
25	RMCF0402ZT0R00	STACKPOLE ELECTRONICS	2	R12,R13	ZERO OHM JUMPER SMT 0402 0 OHM 1/16W,5% ROHS
26	ERJ-3EKF1002V	PANASONIC	14	R20, R21, R22, R23, R24, R25, R26, R41, R42, R43, R44, R45, R46, R47	RESISTOR SMD0603 10.0K 1% THICK FILM 1/10W ROHS
27	ERJ-3GEYJ470V	PANASONIC	19	R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R54, R55, R56, R57, R58	RESISTOR SMD0603 47 OHMS 5% 1/10W ROHS
28	ERJ-3GEYJ471V	PANASONIC	2	R48,R49	RESISTOR SMD0603 470 OHMS 5% 1/10W ROHS
29	ERJ-3GEYJ1R0V	PANASONIC	1	R50	RESISTOR SMD0603 1.0 OHMS 1% THICK FILM 1/10W ROHS
30	ERJ-3GEYJ472V	PANASONIC	4	R61,R62,R63,R65	RESISTOR SMD0603 4.7K OHMS 5% 1/10W ROHS
31	RMCF0603FT15K0	STACKPOLE ELECTRONICS	1	R52	RESISTOR SMD0603 15.0K OHMS 1% 1/10W ROHS
32	RC0603FR-0718KL	YAGEO	1	R53	RESISTOR SMD0603 THICK FILM 18.0K OHMS 1% 1/10W ROHS
33	MA5173-AE	COIL CRAFT	4	L1, L2, L3, L4	SHIELDED POWER INDUCTOR 7uH 12A ROHS
34	N2526-6002-RB	3M	1	J1	HEADER SHROUDED 100LS MALE GOLD 2X13 PINS ROHS
35	PBC02SAAN	SULLINS	1	JP1	HEADER THRU MALE 2 PIN 100LS GOLD ROHS
36	PBC03SAAN	SULLINS	3	C,D,M3	HEADER THRU MALE 3 PIN 100LS GOLD ROHS
37	G12AP-RO	NKK	1	S1	SWITCH THRU SPDT STRAIGHT ULTRA MINIATURE ROHS
38	5018-0	POMONA	3	GND, LOUT-, ROUT-	BINDING POST, BLACK 60V 30A GOLD ROHS
39	5018-2	POMONA	3	PVDD, LOUT+, ROUT+	BINDING POST, RED 60V 30A GOLD ROHS

40	SPC02SYAN	SULLINS	4	JP1,C(1-2),D(1-2),M3(1-2)	SHUNT, BLACK AU FLASH 0.100LS
41	ATSTI1OP-519-C1-R1	ATS	1	HEAT SINK (U1)	HEATSINK ALUMINUM ATS 36x78mm 36.8mm PITCH ROHS
42	92000A118	McMaster-Carr	2	HEAT SINK SCREWS	PHILIPS PANHEAD SCREW M3x8mm STAINLESS STEEL ROHS
43	92148A150	McMaster-Carr	2	HEAT SINK WASHERS	SPLIT WASHER M3 STAINLESS STEEL ROHS
44	94868A178	McMaster-Carr	4	STANDOFFS	STANDOFF M3x25mm 4.5mm DIA HEX STAINLESS STEEL F-F ROHS
45	92000A118	McMaster-Carr	4	STANDOFF SCREWS	PHILIPS PANHEAD SCREW M3x8mm STAINLESS STEEL ROHS
46	92148A150	McMaster-Carr	4	STANDOFF WASHERS	SPLIT WASHER M3 STAINLESS STEEL ROHS

CABLE ASSEMBLY (1 each per EVM)					
CA1	1658621-6	TE CONNECTIVITY	1	NA	IDC SOCKET FEMALE 26 PIN 0.1" PITCH ROHS
CA2	499252-3	TE CONNECTIVITY	1	NA	26 POSITION STRAIN RELIEF FOR AKC26H-ND ROHS
CA3	AE26M-5-ND	ASSMANN WSW	1	NA	26 POSITION RIBBON CABLE 0.05" PITCH ROHS

CONTROLLER BOARD (1 each per EVM)					
InputUsbBoard3_RevA (Edge #6527708)					

TOTAL	167
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X1	DO NOT POPULATE	4	CR1, CR2, CR3, CR4	
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SPECIAL NOTES TO THIS BILL OF MATERIALS	
SN1	These assemblies are ESD sensitive, ESD precautions shall be observed.
SN2	These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.
SN3	These assemblies must comply with workmanship standards IPC-A-610 Class 2.

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