BOM for: AA0919-2016   ADuCM4050 WLCSP BOARD   Rev: 2.1

Qty	Description	Reference Designator	Manufacturer	Part Number
4	SN74LVC1G125 SOT23-5	U9,U10,U11,U12	TI (R)	74LVC1G125DBVRE4
2	SN74LVC1G08 SOT23-5	U14,U16	TI (R)	SN74LVC1G08DBVE
1	W25Q32 SO8W	U7	WINBOND (R)	W25Q32FVSSIG
1	FT232RQ QFN32	U4	DIGI-KEY (R)	768-1008-1-ND
1	ADT7420UCPZ LFCSP16	U6	ADI (R)	ADT7420UCPZ
1	26MHZ SMT	Y2	DIGI-KEY (R)	535-10298-2-ND
1	32.768KHZ SMD	Y1	DIGI-KEY	535-12942-2-ND
1	8MHz SMT HC49S	Y3	DIGI-KEY	887-1263-2-ND
1	ADR127BUJZ SOT95P280X100-6N	U3	ADI (R)	ADR127AUJZ-R2
1	ADR441ARMZ MSOP8	U5	ADI (R)	ADR441ARMZ
1	ADXL363BCCZ LFCSP16	U2	ADI (R)	ADXL363BCCZ
1	ADM6315-29D3 SOT143	U13	ADI	ADM6315-29D3ARTZR7
1	ADP5301 WLCSP9	VR1	ADI	ADP5301ACBZ-2-R7
1	ADuCM4050BCBZ WLCSP72	U1	ADI	ADuCM4050BCBZ
1	BUZZER 75 DB 3V 4KHZ	D1	DIGI-KEY (R)	490-4683-2-ND
12	IDC 2X1 IDC2X1	JP1,JP2,JP3,JP4,JP5,JP6,JP7,JP8,JP9,JP13,JP18,JP19	SAMTEC (R)	HTSW-102-07-T-S
2	IDC 3X1 IDC3X1	JP16,JP17	SAMTEC (R)	HTSW-103-07-T-S
3	IDC 8X1 IDC8X1	J4,J5,J6	SAMTEC (R)	SSW-108-01-TM-S
1	3A RESETABLE FUS004	F2	TYCO ELECT (R)	SMD300F-2
1	IDC 2PIN_JUMPER_SHORT	SJ?	DIGI-KEY (R)	S9001-ND
2	IDC 2X2 IDC2X2	JP11,JP15	FCI (R)	68737-404HLF
2	IDC 3X2 IDC3X2	JP12,JP14	BURG	54102-T08-03LF

Qty	Description	Reference Designator	Manufacturer	Part Number
1	PWR .65MM CON045	P8	DIGI-KEY (R)	CP1-023-ND
1	IDC 4X2 IDC4X2	JP10	SULLINS CO (R)	PEC04DAAN
1	IDC 4X1 IDC4X1	P7	BERG-FCI (R)	54101-T08-04LF
1	0.6MM 120PIN HIROSE_FX8-120P-SV1(91)	P1A	HIROSE (R)	FX8-120P-SV1(91)
2	USB 5PIN CON069	P6,P11	DIGI-KEY (R)	H11589CT-ND
2	0.05 5X2 SAMTEC_TFM-105-02-S-D-A	P1,P2	SAMTEC (R)	TFM-105-02-S-D-A
1	0.05 10X2 SAMTEC_TFM-110-02-S-D-A	P3	SAMTEC (R)	TFM-110-02-S-D-A
1	TEST LOOP LOOP_2838	GP1	KEYSTONE (R)	5016
2	IDC 10X2 TE_5103308-5	P4,P12	MOUSER (R)	571-5103308-5
2	SMC THREADED AMPHENOL_152119	J1,J2	AMPHENOL C (R)	152119
3	0.05 10PIN SAMTEC_SHF-105-01-L-D-TH	P5,P9,P10	SAMTEC (R)	SHF-105-01-L-D-TH-TR
1	0.1 8PIN HARWIN_M20-7880446	J3	DIGI-KEY (R)	952-1787-ND
1	BATT-HOLDER 20MM BATT_BS-3	J8	MPD (R)	BS-3
5	MOMENTARY SW_ADTSMW64	SW1,SW2,SW3,SW4,SW5	DIGI-KEY	679-2310-2-ND
1	IDC 10X1 SAMTEC_SSW-110-01-T-S	J7	SAMTEC	SSW-110-01-T-S
1	BATT_HOLDER AA BATT_2460	J9	KEYSTONE ELECTR	2460
5	600 500MA 1206	FER1,FER2,FER3,FER5,FER6	LAIRD TECH	HZ1206B601R-10
1	0 1/8W 5% 0805	R16	VISHAY (R)	CRCW08050000Z0EA
2	0 1/8W 5% 0805	R13,R124	VISHAY (R)	CRCW08050000Z0EA

Qty	Description	Reference Designator	Manufacturer	Part Number
1	190 5A FER002	FER4	MURATA (R)	DLW5BSN191SQ2
23	0.1UF 10V 10% 0402 X5R	C4,C5,C14,C17,C18,C23,C24,C25,C26,C27,C31,C32,C39,C41,C43,C45,C47,C52,C55,C57,C70,C72,C73	AVX CORPOR (R)	0402ZD104KAT2A
5	0.01UF 16V 10% 0402 X7R	C11,C13,C15,C28,C53	AVX CORPOR (R)	0402YC103KAT2A
5	10K 1/16W 5% 0402	R5,R58,R118,R122,R128	VISHAY (R)	CRCW040210K0FKED
7	10K 1/16W 5% 0402	R52,R59,R60,R109,R112,R119,R120	VISHAY (R)	CRCW040210K0FKED
2	4.7K 1/16W 5% 0402	R110,R111	DIGI-KEY (R)	541-4.7KJTR-ND
63	0 1/10W 5% 0402	R1,R2,R4,R7,R11,R12,R14,R15,R17,R31,R32,R33,R34,R35,R36,R37,R43,R46,R48,R49,R50,R51,R54,R56,R57,R69,R70,R71,R74,R75,R78,R79,R80,R81,R82,R83,R84,R86,R87,R88,R89,R90,R91,R92,R93,R94,R95,R96,R97,R98,R99,R100,R102,R108,R121,R123,R125,R129,R136,R137,R138,R148,	PANASONIC (R)	ERJ-2GE0R00X
11	0 1/10W 5% 0402	R9,R10,R22,R38,R44,R55,R77,R106,R139,R140,R147	PANASONIC (R)	ERJ-2GE0R00X
4	33 1/16W 5% 0402	R116,R117,R145,R146	VISHAY (R)	CRCW040233R0JNED
1	33 1/16W 5% 0402	R144	VISHAY (R)	CRCW040233R0JNED
1	2.2UF 10V 10% 0805 X5R	C58	AVX CORPOR (R)	0805ZD225KAT2A
1	1UF 16V 10% 0603 X5R	C35	DIGI-KEY (R)	399-5090-2-ND
2	4.7UF 6.3V 20% 0603 X5R	C16,C54	AVX CORPOR (R)	06036D475MAT2A
1	10M 1/10W 5% 0603	R101	VISHAY (R)	CRCW060310M0FNEA
1	1M 1/10W 5% 0603	R113	VISHAY (R)	CRCW06031M00JNEA
2	1M 1/10W 5% 0603	R45,R85	VISHAY (R)	CRCW06031M00JNEA
2	1UF 6.3V 20% 0402 X5R	C6,C56	MURATA	490-1319-2-ND
3	0.051 1/2W 1% 1206	R19,R20,R21	SEI (R)	CSF 1/2 0.05 1%R
1	10UF 16V 10% 1210 X5R	C38	AVX CORPOR (R)	1210YD106KAT2A
2	1000PF 50V 5% 1206	C36,C37	AVX CORPOR (R)	12065A102JAT2A
1	5A MBRS540T3G SMC	D6	ON SEMICON (R)	MBRS540T3G

Qty	Description	Reference Designator	Manufacturer	Part Number
1	1UF 50V 10% 0603 X5S	C51	DIGI-KEY (R)	587-2400-2-ND
8	100K 1/16W 5% 0402	R3,R41,R42,R126,R127,R133,R134,R135	DIGI-KEY (R)	541-100KJTR-ND
18	100K 1/16W 5% 0402	R6,R26,R27,R28,R29,R30,R39,R40,R67,R68,R72,R73,R76,R107,R115,R130,R131,R132	DIGI-KEY (R)	541-100KJTR-ND
2	18PF 50V 5% 0402 NP0	C59,C60	Murata	GRM1555C1H180JA01D
1	30A GSOT05 SOT23-3	D3	VISHAY (R)	GSOT05-E3-08
2	2.2K 1/10W 5% 0402	R24,R25	PANASONIC (R)	ERJ-2GEJ222X
1	GREEN LED_0603	LED2	DIGIKEY	67-1549-2-ND
6	499.0 1/10W 1% 0402	R23,R61,R62,R63,R64,R114	PANASONIC (R)	ERJ-2RKF4990X
3	49.9 1/16W 1% 0402	R53,R65,R66	STACKPOLE (R)	RMCF0402FT49R9
1	0.1UF 16V 10% 0402 X7R	C46	DIGI-KEY (R)	587-1451-2-ND
2	15KV ESD7004 DFN50P250X100-10N	D5,D7	ON SEMICON (R)	ESD7004MUTAG
3	169.0 1/10W 1% 0402	R47,R103,R104	PANASONIC (R)	ERJ-2RKF1690X
3	169.0 1/10W 1% 0402	R141,R142,R143	PANASONIC (R)	ERJ-2RKF1690X
1	RED LED_0603	LED1	DIGI-KEY (R)	475-2512-2-ND
4	YELLOW LED_0603	LED3,LED4,LED5,LED7	DIGI-KEY	475-2793-1-ND
5	10UF 6.3V 20% 0603 X5R	C8,C29,C33,C34,C71	DIGI-KEY (R)	490-3896-2-ND
13	0.1UF 35V 10% 0402 X7R	C12,C19,C49,C50,C61,C62,C63,C64,C65,C66,C67,C68,C69	DIGI-KEY (R)	445-6901-2-ND
1	RGB LED_SM1210RGB	LED6	Digi-Key	492-1243-2-ND
2	15KV ESDA5V3SC6 SOT95P280X145-6N	D4,D10	DIGI-KEY (R)	497-6633-1-ND
1	200MA BAS40DW SOT-363	D2	DIODES INC (R)	BAS40DW-04-7-F
2	8PF 16V ±0.5pF 0402 COG	C9,C10	AVX CORPOR (R)	0402YA8R0DAT2A
1	20PF 16V ±5% 0402 COG	C1	AVX CORPOR (R)	0402YA200JAT2A

Qty	Description	Reference Designator	Manufacturer	Part Number
3	20PF 16V ±5% 0402 COG	C2,C7,C48	AVX CORPOR (R)	0402YA200JAT2A
1	0.47UF 16V 10% 0402 JB	C3	DIGI-KEY (R)	445-10942-2-ND
2	1A RS1B SMB	D8,D9	DIODES INC	RS1JB-13-F
1	4.7UF 10V 10% 0603 X6S	C30	DIGI-KEY	490-10464-2-ND
1	2.2UH 20% PKG	L1	COIL CRAFT	LPS3015-222MR
1	316.0K 1/16W 1% 0402	R105	DIGI-KEY	541-316KLTR-ND
2	5M 1/20W 5% 0402	R8,R18	OHMITE	HVC0402T5004JET