

ALIF SEMICONDUCTOR

PROPRIETARY AND CONFIDENTIAL

7901 Stoneridge Drive, Pleasanton, CA 94588, USA

Item	Quantity	Reference	Description	Value	MFG	MFG_PN	Tolerance	Voltage	Status
1	11	BI1,BI2,BI3,BI4,BI5,BI6,BI7,BI8,BI9,BI10,BI11	2 (1 x 2) Position Shunt Connector Black Open Top 0.079" (2.00mm) Gold	2SN-BK-G	Samtec Inc.	2SN-BK-G			
2	7	C1,C34,C47,C48,C56,C58,C474	CAP CER 1UF 16V X5R 0402	1uF	Samsung Electro-Mechanics	CL05A105KO5NNNC	10%	16V	
3	6	C2,C16,C20,C33,C470,C471	CAP CER 0.1UF 10V X5R 0402	0.1uF	AVX Corporation	0402ZD104KAT2A	10%	10V	DNP
4	2	C3,C62	CAP CER 2.2UF 10V X5R 0402	2.2uF	TDK	C1005X5R1A225K050BC	10%	10V	
5	23	C4,C5,C6,C7,C8,C9,C10,C11,C23,C43,C44,C46,C49,C50,C51,C54,C55,C57,C61,C477,C478,C483,C484	CAP CER 0.1UF 10V X5R 0402	0.1uF	AVX Corporation	0402ZD104KAT2A	10%	10V	
6	1	C12	CAP CER 47PF 50V COG 0402	47pF	TDK Corporation	C1005C0G1H470J050BA	5%	50V	
7	5	C13,C15,C17,C472,C473	CAP CER 100PF 25V COG/NPO 0402	100pF	KEMET	CBR04C101F3GAC	1%	25V	DNP
8	1	C14	CAP CER 10000PF 10V X7R 0402	0.01uF	AVX Corporation	0402ZC103KAT2A	10%	10V	DNP
9	2	C18,C19	CAP CER 12PF 50V COG/NPO 0402	12pF	Murata Electronics	GJM1555C1H120GB01D	2%	50V	DNP
10	2	C21,C22	CAP CER 7PF 50V COG/NPO 0402	7pF	Murata Electronics	GJM1555C1H7R0WB01D	0.05pF	50V	DNP
11	9	C37,C41,C52,C53,C59,C60,C475,C480,C482	CAP CER 10UF 10V X5R 0402	10uF	Samsung	CL05A106MP5NUNC	20%	10V	
12	1	C45	CAP CER 1000PF 25V X7R 0402	1nF	Kemet	C0402C102K3RACTU	10%	25V	
13	1	DS1	Green 573nm LED Indication - Discrete 2V 0603 (1608 Metric)	150060VS86000	Würth Elektronik	150060VS86000			
14	5	FB1,FB2,FB3,FB4,FB5	FILTER CHIP 120 OHM 1.5A 0402	120	Murata	BLM15EG121SN1D			
15	2	J1,J2	CONN U.FL RCPT STR 50 OHM SMD	U.FL-R-SMT(10)	Hirose Electric Co Ltd	U.FL-R-SMT(10)			DNP
16	1	J4	CONN MICRO SIM CARD PUSH-PULL	786463001	Molex	786463001			
17	1	J5	200-PIN SODIMM FINGER EDGES	FINGER-EDGES-200P_SODIMM	N/A	N/A			
18	1	J6	CONN HEADER SMD 20POS 1.27MM	FTSH-110-01-L-DV-007-K	Samtec Inc.	FTSH-110-01-L-DV-007-K			
19	2	J8,J9	CONN HEADER SMD 10POS 1.27MM	FTSH-105-01-L-DV-007-K	Samtec Inc.	FTSH-105-01-L-DV-007-K			DNP

20	4	J14,J16,J17,J39	CONN HEADER VERT 3POS 2MM	TMM-103-03-G-S	Samtec	TMM-103-03-G-S			
21	1	J15	CONN RCPT USB2.0 MICRO B SMD R/A	10118194-0001LF	Amphenol ICC (FCI)	10118194-0001LF			
22	2 1	J18,J19	CONN HEADER VERT 2POS 2MM	TMM-102-03-G-S	Samtec	TMM-102-03-G-S			DNP
23	1	J20	CONN HEADER VERT 10POS 2MM	TMM-105-03-G-D	Samtec Inc.	TMM-105-03-G-D			
24	1	J35	TVS DIODE 5.5V 6SON	TPD4S012DRYR	Texas Instruments	TPD4S012DRYR			
25	1	J38	CONN HEADER VERT 3POS 2MM	TMM-103-03-G-S	Samtec	TMM-103-03-G-S			DNP
26	1	J40	CONN HEADER VERT 3POS 2.54MM	PBC03SAAN	Sullins Connector Solutions	PBC03SAAN			
27	1	L1	FIXED IND 2.2UH 1A 143 MOHM SMD	2.2uH	Taiyo Yuden	BRC2012T2R2MD			
28	1	L2	FERRITE BEAD 100 OHM 0805 1LN	100@100MHz	Taiyo Yuden	BKP2125HS101-T			
29	2	R1,R382	RES SMD 20K OHM 1% 1/10W 0402	20K	Panasonic	ERJ-2RKF2002X	1%		
30	4	R3,R305,R306,R307	RES 0402 0.0 OHM 1/10W Jumper SMD	0	Panasonic	ERJ-2GE0R00X	jumper		
31	2	R4,R5	RES SMD 200 OHM 1% 1/16W 0402	200	Yageo	RC0402FR-07200RL	1%		
32	6	R6,R112,R308,R309, R310,R311	RES 0402 0.0 OHM 1/10W Jumper SMD	0	Panasonic	ERJ-2GE0R00X	jumper		DNP
33	6	R43,R44,R304,R351, R376,R377	RES SMD 100K OHM 1% 1/16W 0402	100K	Vishay	CRCW0402100KFKED	1%		
34	2	R113,R115	RES SMD 51K OHM 1% 1/16W 0402	51K	Yageo	RC0402FR-0751KL	1%		
35	1	R114	RES SMD 75K OHM 1% 1/10W 0402	75K	Panasonic	ERJ-2RKF7502X	1%		
36	1	R116	RES SMD 43K OHM 1% 1/10W 0402	43K	Panasonic Electronic Components	ERJ-2RKF4302X	1%		
37	5	R300,R346,R349,R350, R375	RES 0402 0.0 OHM 1/10W Jumper SMD	0	Panasonic	ERJ-2GE0R00X	jumper	Jumper	
38	4	R302,R303,R332,R381	RES SMD 10K OHM 1% 1/10W 0402	10K	Panasonic	ERJ-2RKF1002X	1%		
39	1	R312	RES SMD 1M OHM 1% 1/16W 0402	1M	Vishay	CRCW04021M00FKED	1%		
40	1	R336	RES 0402 0.0 OHM 1/10W Jumper SMD	0	Panasonic	ERJ-2GE0R00X	jumper	Jumper	DNP
41	2	R345,R374	RES SMD 1K OHM 1% 1/16W 0402	1K	Stackpole Electronics	RMCF0402FT1K00	1%		
42	1	R378	RES N/A DNP 0402	N/A	N/A	N/A	N/A		DNP
43	8	TP1,TP2,TP3,TP4,TP5, TP6,TP8,TP9	Through-hole for 0.025 Square Pin	tp_th_25mils	N/A	N/A			DNP
44	1	U1	E7 SoC 188 ball CSP package (0.5mm pitch) 7mmx7mm	E7-SOC	Alif Semiconductor	E7-SOC			
45	2	U2,U7	RF FILTER LOW PASS 2.2GHZ 0603	DEA162690LT-5057C1	TDK	DEA162690LT-5057C1			DNP
46	2	U4,U6	RF FILTER LOW PASS 868MHZ 0805	0868LP15A020E	Johanson	0868LP15A020E			DNP
47	1	U5	XTAL OSC TCXO 38.4MHZ CLPSNW SMD	ECS-TXO-20CSMV-384-AY-TR	ECS Inc	ECS-TXO-20CSMV-384-AY-TR			DNP

48	1	U8	XTAL OSC XO 32.7680KHZ CMOS SMD	ECS-327ATQMV	ECS Inc	ECS-327ATQMV			DNP
49	1	U9	IC REG LINEAR 3.3V 1A UDFN3030-8	AP7361C-33FGE-7	Diodes Incorporated	AP7361C-33FGE-7			
50	1	U10	IC REG LINEAR 1.8V 1A UDFN3030-8	AP7361C-18FGE-7	Diodes Incorporated	AP7361C-18FGE-7			
51	1	U11	IC RF SWITCH SP4T 6GHZ TSNP10-1	BGS14PN10	Infineon	BGS14PN10			DNP
52	1	U12	IC FLASH 128MBIT SPI/OCTL 24CBGA	ATXP128-CCUE-Y	Dialog Semiconductor GmbH	ATXP128-CCUE-Y			
53	1	X1	CRYSTAL 38.4000MHZ 6PF SMD	38.4MHz	Murata Electronics	XRCGB38M400F4M00R0			
54	1	X2	CRYSTAL 32.7680KHZ 7PF SMD	32.768KHz	Seiko Instruments	SC20S-7PF20PPM			

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