
	Bill Of Materials		
	Product : ADSP-BF548 Isolated Transceivers EvalBoard		
	Board name : ADSP-BF548 Isolated Transceivers EvalBoard		

Revision history :

Revision N°	Changes dones	Date	Achived by	Verified by	Approved by
1.8	Add R112, R113, R114, J27, Remove J6	12/07/2012	M. ABID	C. REBAI	C. RABAI
1.9	Add Ethernet circuit	19/10/2012	M. ABID	C. REBAI	C. RABAI

SI N°	Qty	Part reference	Value	Part description	Manufactrurer	Manufactrurer part number
1	1	U1	ADP1864	IC CTLR DC/DC STEP DWN TSOT23-6	Analog Devices	ADP1864AUJZ-R7
2	1	U2	SI4411DY	MOSFET P-CH D-S 30V 8-SOIC	Vishay/Siliconix	SI4459ADY-T1-GE3
3	1	U3	FDS9431A	MOSFET P-CH 20V 3.5A 8SOIC	Fairchild Semiconductor	FDS9431A
4	1	U4	BF548	IC DSP 16BIT 533MHZ 400CSBGA	Analog Devices	ADSP-BF548BBCZ-5A
5	1	U5	ADM708S	IC SUPERVISOR MPU 2.93 WD 8SOIC	Analog Devices	ADM708SARZ
	1	U7	93LC46A	IC EEPROM 1KBIT 2MHZ 8SOIC	Microchip	93LC46A-E/SN
	1	U9	HX1188	MODULE XFRMR SGL ETHR LAN 16SOIC	PULSE ELECTRONICS	HX1188NL
	1	U10	LAN9218	10/100 Ethernet Controller	SMSC	LAN9218-MT
6	1	U11	MT46V32M16	IC DDR SDRAM 512MBIT 5NS 66TSOP	Micron Technology	MT46V32M16P-5B:F
7	1	U12	ADM3202	IC TX/RX DUAL RS-232 3.3V 16SOIC	Analog Devices	ADM3202ARNZ
8	1	U13	ADuM3160	ISOLAT DGTL 12MBPS 4CH 16 SOICW	Analog Devices	ADUM3160BRWZ
9	1	U44	ADM3252E		Analog Devices	

10	5	U19, U22, U25, U32, U34	ADuM5000	IC DGTL ISOLATOR W/DC-DC 16SOIC	Analog Devices	ADUM5000ARWZ
11	1	U16	ADM2587E	IC TXRX RS485 ISOLATED 20SOIC	Analog Devices	ADM2587EBRWZ
12	1	U17	ADM3053	IC TXRX ISOLATED CAN 20SOIC	Analog Devices	ADM3053BRWZ
13	1	U18	ADuM1250	IC ISOLATOR 1MBPS 4CH 2.5K 8SOIC	Analog Devices	ADUM1250ARZ
14	2	U20, U42	ADuM3401	IC DIGITAL ISOLATOR 4CH 16-SOIC	Analog Devices	ADUM3401ARWZ
15	2	U21, U43	ADuM3402	IC DIGITAL ISOLATOR 4CH 16-SOIC	Analog Devices	ADUM3402ARWZ
16	2	U26, U27	ADuM3442	IC DIGITAL ISOLATOR 2INP 16SOIC	Analog Devices	ADUM3442CRWZ
17	2	U28, U29	ADN4663	IC DRIVER DIFF LVDS 2CH 8SOIC	Analog Devices	ADN4663BRZ
18	2	U30, U31	ADN4664	IC RCVR DIFF LVDS 2CH 8SOIC	Analog Devices	ADN4664BRZ
19	1	U33	PC28F128P33T85	IC FLASH 128MBIT 85NS 64EZBGA	Numonyx	PC28F128P33T85B
20	2	U35, U40	SN74AUP1G14	IC INVERTER SCH-TRIG SGL SOT23-5	Texas Instruments	SN74AUP1G14DBVRE4
21	1	U36	IDT74FCT3244APY	IC BUFF/DVR DUAL N-INV 20SSOP	TI	SN74LVC244ADBR
22	1	U38	ADP3335	IC REG LDO 500MA 5V 8MSOP	Analog Devices	ADP3335ARMZ-5-R7
23	1	U39	ADP1706	IC REG LDO 1A 2.5V 8SOIC	Analog Devices	ADP1706ARDZ-2.5-R7
24	1	U41	SN74LVC1G08	IC 2-INPUT AND GATE SOT-23-5	Texas Instruments	SN74LVC1G08DBVR
25	1	Y1	SG-8002CA	OSCILLATOR CMOS PROG 3.3V 25MHZ	Connor-Winfield	CWX823-025.0M
26	1	Y2	MC-156	CRYSTAL 32.7680KHZ 12.5PF SMD	Epson Toyocom	MC-156 32.7680KA-A0:ROHS
	1	Y3	MA-505	CRYSTAL 25.0000MHZ 18PF SMD	Epson Toyocom	MA-505 25.0000M-C0:ROHS
27	1	Y4	SG-8002CA	OSCILLATOR CMOS PROG 3.3V 24MHZ	Connor-Winfield	CWX823-024.0M
28	2	SW1, SW2	PUSHBUTTON	SWITCH TACTILE SPST-NO 0.02A 15V	Panasonic - ECG	EVQ-Q2K03W
29	1	RV1	VARISTOR	VARISTOR TVS MULTI 5.5V 30A 0603	Littelfuse Inc	V5.5MLA0603H
30	10	RN1, RN2, RN3, RN4, RN5, RN6, RN7, RN8, RN9, RN10	33R	RES ARRAY 33 OHM 4 RES 2012	CTS	744C083330JPTR
31	1	R1	0.05R	RES .05 OHM 1/2W 1% 1206 SMD	Vishay/Dale	WSL1206R0500FEA18
32	1	R2	24.9K	RES 24.9K OHM 1/10W 1% 0603 SMD	Panasonic	ERJ-3EKF2492V
33	1	R3	80.6K	RES 80.6K OHM 1/10W 1% 0603 SMD	Yageo	RC0603FR-0780K6L
34	1	R4	255K	RES 255K OHM 1/10W 1% 0603 SMD	Vishay/Dale	CRCW0603255KFKTA
35	2	R5, R8	4.7K	RES 4.7K OHM 1/8W 5% 0805 SMD	Panasonic - ECG	ERJ-6GEYJ472V
36	5	R6, R7, R17, R48, R67	0R	RES 0.0 OHM 1/4W 1206 SMD	Yageo	RC1206JR-070RL
37	28	R9, R12, R13, R14, R16, R29, R30, R31, R50, R56, R57, R58, R59, R60, R85, R87, R97, R98, R99,	10K	RES 10.0K OHM 1/16W 1% 0402 SMD	Vishay/Dale	CRCW040210K0FKEDHP
38	1	R11	10M	RES 10M OHM 1/10W 5% 0603 SMD	Vishay/Dale	CRCW060310M0JNEA

39	9	R15, R32, R89, R90, R91, R92, R93, R94, R95	330R	RES 330 OHM 1/10W 5% 0603 SMD	Vishay/Dale	CRCW0603330RJNEA
40	11	R19, R20, R21, R22, R25, R26, R34, R49, R52, R53, R100	1K	RES 1.0K OHM 1/16W .5% 0402 SMD	Panasonic - ECG	ERA-2AED102X
	1	R27	12K	RES 12.0K OHM 1/16W 1% 0402 SMD	Yageo	RC0402FR-0712KL
	10	R35, R36, R37, R38, R42, R43, R44, R45, R46, R47	49.9R	RES 49.9 OHM 1/8W 1% 0805 SMD	Yageo	RC0805FR-0749R9L
	2	R40, R41	75R	RES 75.0 OHM 1/10W 1% 0603 SMD	Vishay/Dale	CRCW060375R0FKEA
	1	R33	12.4K	RES 12.4K OHM 1/10W 1% 0603 SMD	Yageo	RC0603FR-0712K4L
41	2	R28, R65	1M	RES 1.0M OHM 1/8W 5% 0805 SMD	Vishay/Dale	CRCW08051M00JNEA
42	2	R39, R88	10R	RES 10.0 OHM 1/10W 1% 0603 SMD	Yageo	RC0603FR-0710RL
43	6	R51, R81, R82, R83, R84, R86	100R	RES 100 OHM 1/16W 5% 0402 SMD	Yageo	RC0402JR-07100RL
44	1	R54	1R	RES 1.00 OHM 1/16W 1% 0402 SMD	Vishay/Dale	CRCW04021R00FNED
45	4	R61, R62, R63, R64	24R	RES 24.0 OHM .125W 1% 0402 SMD	Panasonic	ERJ-2RKF24R0X
46	3	R66, R73, R74	120R	RES 120 OHM .25W 1% 0603 SMD	Yageo	RC0603FR-07120RL
47	2	R68, R69	60R4	RES 60.4 OHM 1/10W 1% 0402 SMD	Panasonic - ECG	ERJ-2RKF60R4X
48	1	R71	100K	RES 100K OHM 1/16W .5% 0402 SMD	Panasonic - ECG	ERA-2AED104X
49	13	R10, R18, R23, R24, R55, R75, R76, R77, R101-105	33R	RES 33 OHM 1/16W 5% 0402 SMD	Vishay/Dale	CRCW040233R0JNED
50	2	D2, D3	MBRS540T3G	DIODE SCHOTTKY 40V 5A SMC	ON Semiconductor	MBRS540T3G
51	1	D9	SMBJ24CA	DIODE TVS 24V 600W BI-DIR SMB	Littelfuse Inc	SMBJ24CA
52	1	D4	ZHCS1000	DIODE SCHOTTKY 40V 1.0A SOT23-3	Diodes/Zetex	ZHCS1000TA
53	2	D7, D8	PGB1010603	SUPPRESSOR ESD 24VDC 0603 SMD	Littelfuse Inc	PGB1010603MR
54	4	FER1, FER2, FER3, FER4	600R	FERRITE 500MA 600 OHM 1206 SMD	Laird-Signal Integrity	HZ1206E601R-10
55	1	F1	5A	POLYSWITCH RGE SERIES 5.0A HOLD	TE Connectivity	RGEF500
56	40	JP1-40	JUMPER	2Pin jumper	Any make	--
57	1	J1	PWR CONN	CONN POWERJACK MINI R/A PCMT	Switchcraft Inc.	RAPC712X
58	1	J2	JTAG	CONN HEADER DUAL ROW 14POS .1"	FCI	67997-414HLF
	1	J3	RJ45	CONN 8-8 MOD JACK	Stewart Connector	SS-6488-NF
59	1	J4	DB9-F	CONN D-SUB RCPT R/A 9POS 30GOLD	TE Connectivity	5747844-4
60	1	J5	USB MINI B F	CONN MINI USB RCPT RA TYPE B SMD	TE Connectivity	1734035-2
61	1	J22	SCREW_3	TERMINAL BLOCK, PCB, 3WAY	LUMBERG	KRM 03
62	2	J7,J27	SCREW_6	TERMINAL BLOCK, PCB, 6WAY	LUMBERG	KRM 06

63	1	J8	SCREW_4	TERMINAL BLOCK, PCB, 4WAY	LUMBERG	KRM 04
64	2	J10, J25	SCREW_7	TERMINAL BLOCK, PCB, 7WAY	LUMBERG	KRM 07
65	1	J24	Header 32 Pos	CONN HEADER 32POS .100" DUAL TIN	Samtec Inc	TSW-116-26-T-D
66	6	LED1, LED2, LED3, LED4, LED5, LED6	User LED	LED AMBER GULL WING SMD T/R	Panasonic - SSG	LN1461CTR
67	1	LED7	Green LED	LED GREEN GW-TYPE SMD TAPE/REEL	Panasonic - SSG	LN1361CTR
68	1	LED8	Red LED	LED RED GW-TYPE SMD TAPE/REEL	Panasonic - SSG	LN1261CTR
69	2	LED9, LED10	Amber LED	LED AMBER GULL WING SMD T/R	Panasonic - SSG	LN1461CTR
70	1	L1	190R	CHOKES COMMON MODE WW 190OHM	Murata Electronics	DLW5BSN191SQ2L
71	1	L2	2.5uH	INDUCTOR 2.5UH 30%	Taiyo Yuden	NS10145T2R2NNA
72	1	L3	10uH	INDUCTOR SHIELD PWR 10UH 7045	TDK Corporation	SLF7045T-100M1R3-PF
73	1	J23	HIROSE	CONN HEADER 120POS .6MM GOLD	Hirose Electric Co Ltd	FX8-120P-SV1(91)
74	2	C1, C2	1nF	CAP CER 1000PF 50V 5% NPO 1206	AVX Corporation	12065A102JAT2A
75	30	C10, C62, C63, C64, C65, C66, C67, C76, C78, C81, C99, C131, C132, C151, C154, C159, C162, C168, C171, C176, C179, C192, C195, C212, C215, C218, C221, C236, C237, C238	10uF	CAP CER 10UF 6.3V 10% X5R 0805	AVX Corporation	08056D106KAT2A
76	103	C11, C16-22, C29-33, C41-44, C49-52, C57-59, C61, C82-94, C100, C101, C112-115, C120-122, C125, C126, C128-130, C135-137, C138, C140-142, C150, C153, C155-157, C161, C163, C164, C166, C167, C169, C170, C174, C175, C177, C178, C180-183, C190, C191, C193, C194, C196-199, C201, C203, C205, C207-211, C213, C214, C216, C217, C219, C220, C234, C235	0.1uF	CAP CER 0.1UF 10% 10V X5R 0402	AVX Corporation	0402ZD104KAT2A

77	71	C12-15, C23-28, C34-40, C45-48, C53-56, C60, C68, C69, C72, C73, C75, C77, C79, C80, C102-111, C116-119, C123, C124, C127, C134, C139, C149, C152, C158, C160, C172, C173, C200, C202, C204, C206, C231, C239-	0.01uF	CAP CER 10000PF 16V 10% X7R 0402	AVX Corporation	0402YC103KAT2A
78	1	C4	470pF	CAP CER 470PF 25V 5% NP0 0603	AVX Corporation	06033A471JAT2A
79	1	C5	68pF	CAP CER 68PF 50V 5% NP0 0603	AVX Corporation	06035A680JAT2A
80	1	C6	220uF	CAP 220UF 6.3V 20% D2E	Kemet	T520D227M010ATE025
81	3	C7, C232, C233	4.7uF	CAP CER 4.7UF 6.3V 10% X5R 0805	AVX Corporation	08056D475KAT2A
82	2	C8, C9	100uF	CAP TANT 100UF 10V 10% 2312	AVX Corporation	TPSC107K010R0075
83	2	C70, C71	18pF	CAP CER 18PF 50V 5% NP0 0805	AVX Corporation	08055A180JAT2A
	2	C74, C95	30pF	CAP CER 30PF 100V 5% NP0 1206	AVX Corporation	12061A300JAT2A
	1	C96	0.022uF	CAP CER 0.022UF 50V 5% X7R 0805	AVX Corporation	08055C223JAT4A
	2	C97, C98	1000pF	CAP CER 1000PF 2KV 10% X7R 1206	AVX Corporation	1206GC102KAT1A
84	4	C133, C222, C229, C230	1uF	CAP 1.0UF 16V CERAMIC X7R 0805	Kemet	C0805C105K4RACTU
85	1	C3	10uF	CAP CER 10UF 16V 10% X5R 0805	AVX Corporation	0805YD106KAT2A
86	1	C165	47nF	CAP CER 0.047UF 50V 5% X7R 0805	AVX Corporation	08055C473JAT2A
87	1	J26	CON3	Headers, Male Pins 0.100"	FCI	68000-103HLF
88	1	PS1	7.5V/4A	7.5VDC @4A power supply	Globtek	GT-21097-4509-1.5
89	1	CB1	USB A - Mini B	USB A Male To Mini B Male 0.8m Black	Molex	887328502