

Bolocam Wiring Table, 2002/12/16

FR4 load resistor modules, U401 JFET modules, Rev. 4 preamps.

wiring_v4.xls

W21	Signal	Fan Out	CABLE AA			Bias Polarity	Resistor	CABLE A			CABLE B1			FET	CABLE B2			CABLE E/F			CABLE G			Preamp Board	CABLE H	Lockin Box					NI DAS		Signal
			1: μD 51 socket	2: μD 51 socket	3: μD 51 socket			1: μD 51 socket	2: μD 51 socket	3: μD 9 pin	1: μD 51 socket	2: μD 51 pin	3: μD 51 socket		1: μD 51 socket	2: μD 51 pin	3: circ 55 pin	1: circ 55 socket	2: DB50 socket	3/4: DB9 socket	Circuit Number	DB50 socket (symmetric) (AC or DC)	Input DB50 pin			lia board LEFT	lia board RIGHT	lia jumper setting	Output (AC or DC) DB50 pin	Input 96 pin DIN C	Output File Column		
W22		19	19	none			none	none	none	none	none	none		none	none	none	none	none	none	none	none	4	Circuit number given on board silkscreen.			lia board number on motherboard silkscreen. LEFT and RIGHT refer to input connector.						W22	
W22		36	36	none			none	none	none	none	none	none		none	none	none	none	none	none	none	none	3											W22
Vdd							none	none	none	none	none	none		1	1	1	A	A	none	none	none	7											Vdd
Vss							none	none	none	none	none	none		2	2	2	C	C	none	none	none	8											Vss
B+							18	18	18	18	18	1 & 2		none	none	none	1 & 2	F	F	none	none	7											B+
B-							17	17	17	17	17	4 & 5		none	none	none	4 & 5	D	D	none	none	8											B-
GND		3	3	19			35	35	35	35	35			19	19	19	G	G	1&34					1&34	1&34					1&34	A32, A24	GND	GND
W01		31	31	34	+		2	20	20	20	20		02a	34	34	34	q	q	29			12+	38	38	05-	29-	L		38	B15	17-	W01	
W01		48	48	35	-		2	19	19	19	19		02b	35	35	35	r	r	13			12-	37	37	05+	29+	L		37	C15	17+	W01	
W02		11	11	44	+		12	43	43	43	43		12a	44	44	44	AA	AA	19			02+	49	49	23+	34+	R		50	B09	23-	W02	
W02		28	28	45	-		12	42	42	42	42		12b	45	45	45	BB	BB	3			02-	50	50	23-	34-	R		49	C09	23+	W02	
W03		16	16	30	+		8	24	24	24	24		08a	30	30	30	k	k	28			11+	36	36	02-	26-	L		36	B16	16-	W03	
W03		49	49	31	-		8	23	23	23	23		08b	31	31	31	m	m	12			11-	35	35	02+	26+	L		35	C16	16+	W03	
W04		7	7	26	+		14	28	28	28	28		14a	26	26	26	g	g	27			10+	18	18	01+	25+	R		18	B32	00-	W04	
W04		8	8	27	-		14	27	27	27	27		14b	27	27	27	h	h	11			10-	2	2	01-	25-	R		2	C32	00+	W04	
W05		29	29	17	+		1	2	2	2	2		01a	17	17	17	Y	Y	49			23+	23	23	09+	48+	R		23	B27	05-	W05	
W05		45	45	18	-		1	1	1	1	1		01b	18	18	18	Z	Z	50			23-	7	7	09-	48-	R		7	C27	05+	W05	
W06		33	33	48	+		6	39	39	39	39		06a	48	48	48	EE	EE	18			01+	48	48	20-	37-	L		48	B10	22-	W06	
W06		32	32	49	-		6	38	38	38	38		06b	49	49	49	FF	FF	2			01-	47	47	20+	37+	L		47	C10	22+	W06	
W07		23	23	38	+		21	49	49	49	49		21a	38	38	38	u	u	30			19+	27	27	15+	42+	R		27	B23	09-	W07	
W07		22	22	39	-		21	48	48	48	48		21b	39	39	39	v	v	14			19-	11	11	15-	42-	R		11	C23	09+	W07	
W08		26	26	42	+		15	45	45	45	45		15a	42	42	42	y	y	31			20+	26	26	13+	44+	R		26	B24	08-	W08	
W08		25	25	43	-		15	44	44	44	44		15b	43	43	43	z	z	15			20-	10	10	13-	44-	R		10	C24	08+	W08	
W09		13	13	28	+		11	26	26	26	26		11a	28	28	28	i	i	23			06+	39	39	08+	32+	R		40	B14	18-	W09	
W09		44	44	29	-		11	25	25	25	25		11b	29	29	29	j	j	7			06-	40	40	08-	32-	R		39	C14	18+	W09	
W10		51	51	50	+		3	37	37	37	37		03a	50	50	50	GG	GG	33			22+	24	24	10+	47+	R		24	B26	06-	W10	
W10		50	50	51	-		3	36	36	36	36		03b	51	51	51	HH	HH	17			22-	8	8	10-	47-	R		8	C26	06+	W10	
W11		1	1	22	+		20	32	32	32	32		20a	22	22	22	c	c	26			09+	19	19	03+	27+	R		19	B31	01-	W11	
W11		21	21	23	-		20	31	31	31	31		20b	23	23	23	d	d	10			09-	3	3	03-	27-	R		3	C31	01+	W11	
W12		5	5	24	+		17	30	30	30	30		17a	24	24	24	e	e	24			07+	21	21	06+	30+	R		21	B29	03-	W12	
W12		38	38	25	-		17	29	29	29	29		17b	25	25	25	f	f	8			07-	5	5	06-	30-	R		5	C29	03+	W12	
W13		10	10	9	+		13	10	10	10	10		13a	9	9	9	P	P	45			18+	28	28	16+	41+	R		28	B22	10-	W13	
W13		41	41	10	-		13	9	9	9	9		13b	10	10	10	R	R	46			18-	12	12	16-	41-	R		12	C22	10+	W13	
W14		30	30	11	+		10	8	8	8	8		10a	11	11	11	S	S	37			14+	32	32	22+	35+	R		32	B18	14-	W14	
W14		12	12	12	-		10	7	7	7	7		10b	12	12	12	T	T	38			14-	16	16	22-	35-	R		16	C18	14+	W14	
W15		34	34	32	+		5	22	22	22	22		05a	32	32	32	n	n	22			05+	41	41	11+	46+	R		42	B13	19-	W15	
W15		35	35	33	-		5	21	21	21	21		05b	33	33	33	p	p	6			05-	42	42	11-	46-	R		41	C13	19+	W15	
W16/00		20	20	5	+		19	14	14	14	14		19a	5	5	5	K	K	43			17+	29	29	18+	39+	R		29	B21	11-	W16/00	
W16/00		2	2	6	-		19	13	13	13	13		19b	6	6	6	L	L	44			17-	13	13	18-	39-	R		13	C21	11+	W16/00	
W17		37	37	40	+		18	47	47	47	47		18a	40	40	40	w	w	20			03+	45	45	17+	40+	R		46	B11	21-	W17	
W17		4	4	41	-		18	46	46	46	46		18b	41	41	41	x	x	4			03-	46	46	17-	40-	R		45	C11	21+	W17	
W18		24	24	7	+		16	12	12	12	12		16a	7	7	7	M	M	39			15+	31	31	21+	36+	R		31	B19	13-	W18	
W18		6	6	8	-		16	11	11	11	11		16b	8	8	8	N	N	40			15-	15	15	21-	36-	R		15	C19	13+	W18	
W19		27	27	20	+		23	34	34	34	34		23a	20	20	20	a	a	25			08+	20	20	04+	28+	R		20	B30	02-	W19	
W19		9	9	21	-		23	33	33	33	33		23b	21	21	21	b	b	9			08-	4	4	04-	28-	R		4	C30	02+	W19	
W20		46	46	15	+		4	4	4	4	4		04a	15	15	15	W	W	35			13+	33	33	24+	33+	R		33	B17	15-	W20	
W20		47	47	16	-		4	3	3	3	3		04b	16	16	16	X	X	36			13-	17	17	24-	33-	R		17	C17	15+	W20	
W21		18	18	13	+		7	6	6	6	6		07a	13	13	13	U	U	47			24-	6	6	07-	31-	L		22	B28	04-	W21	
W21		17	17	14	-		7	5	5	5	5		07b	14	14	14	V	V	48			24+	22	22	07+	31+	L		6	C28	04+	W21	
W23		39	39	3	+		22	16	16	16	16		22a	3	3	3	H	H	41			16+	30	30	19+	38+	R		30	B20	12-	W23	
W23		40	40	4	-		22	15	15	15	15		22b	4	4	4	J	J	42			16-											

Revision History:

BKR ?? Created

SFE 2000/11/04 Lockin and DAS added

SG 2000/11/04 Cleaned up

SG 2001/03/20 Modify for v. 3 preamps.

SG 2000/04/17 Fixed mis-sorting of "Function" column

SG 2002/11/27 Add Polarity column, lockin board and jumper setting column, update for FR4 LRMs, U401 JFETs, Rev. 4 preamps, check lockin box output to DAS mapping.

SG 2002/12/16 Correct JFET input/output polarities and Lockin Jumper column.