

Bill of material for Juma preamplifier (<http://www.diyaudio.com/forums/pass-labs/244106-lsk-pre-baf-2013-a.html>)

Ver. 2.1 (2014-01-11)

Note: Blank value for 2SK170V/2SJ74V version indicate same value as in 2SK24/2SJ103 version.

**2SK24/2SJ103**    **2SK170V/  
version**            **2SJ74V  
version**

Part	Value	Value	Package	Description	Buerklin	Farnell
C1	100uF	47uF	E5-10,5	PANASONIC – EEUFC1H101, 100UF, 50V		1848464
C2	100uF	47uF	E5-10,5	PANASONIC – EEUFC1H101, 100UF, 50V		1848464
C3	10uF		C105-091X182M			1413755
C4	47uF		ECAP2.5/7	PANASONIC – EEUFC1H470, 47UF, 50V		1848463
C5	47uF		ECAP2.5/7	PANASONIC – EEUFC1H470, 47UF, 50V		1848463
C6	10uF		C105-091X182M			1413755
C7	0u1		C150-091X182		43 D 642	1890162
C8	100uF	47uF	E5-10,5	PANASONIC – EEUFC1H101, 100UF, 50V		1848464
C9	100uF	47uF	E5-10,5	PANASONIC – EEUFC1H101, 100UF, 50V		1848464
C10	0u1		C150-091X182		43 D 642	1890162
C11	n/a	120p	C050-025X075		53 D 703	1835009
C12	47uF		ECAP2.5/7	PANASONIC – EEUFC1H470, 47UF, 50V		1848463
C13	47uF		ECAP2.5/7	PANASONIC – EEUFC1H470, 47UF, 50V		1848463
C14	220uF		ECAP5/13	PANASONIC – EEUFC1H221, 220UF, 50V		2326293
C15	220uF		ECAP5/13	PANASONIC – EEUFC1H221, 220UF, 50V		2326293
C16	220uF		ECAP5/13	PANASONIC – EEUFC1H221, 220UF, 50V		2326293
C17	220uF		ECAP5/13	PANASONIC – EEUFC1H221, 220UF, 50V		2326293
C18	220uF		ECAP5/13	PANASONIC – EEUFC1H221, 220UF, 50V		2326293
C19	220uF		ECAP5/13	PANASONIC – EEUFC1H221, 220UF, 50V		2326293
C20	1000uF/50V		ECAP7.5/16	PANASONIC – EEUFC1H102, 1000UF, 50V		9692460
C21	1000uF/50V		ECAP7.5/16	PANASONIC – EEUFC1H102, 1000UF, 50V		9692460
C22	220uF		ECAP5/13	PANASONIC – EEUFC1H221, 220UF, 50V		2326293
C23	220uF		ECAP5/13	PANASONIC – EEUFC1H221, 220UF, 50V		2326293
C24	220uF		ECAP5/13	PANASONIC – EEUFC1H221, 220UF, 50V		2326293
C25	220uF		ECAP5/13	PANASONIC – EEUFC1H221, 220UF, 50V		2326293
C26	220uF		ECAP5/13	PANASONIC – EEUFC1H221, 220UF, 50V		2326293
C27	1000uF/50V		ECAP7.5/16	PANASONIC – EEUFC1H102, 1000UF, 50V		9692460
C28	1000uF/50V		ECAP7.5/16	PANASONIC – EEUFC1H102, 1000UF, 50V		9692460
C29	220uF		ECAP5/13	PANASONIC – EEUFC1H221, 220UF, 50V		2326293
C30	n/a	120p	C050-025X075		53 D 703	1835009
D5	STTH2002DI		TO220ACS	DIODE, ULTRAFast, 20A, 200V or 1N4007		1295249
D6	STTH2002DI		TO220ACS	DIODE, ULTRAFast, 20A, 200V or 1N4007		1295249
D7	STTH2002DI		TO220ACS	DIODE, ULTRAFast, 20A, 200V or 1N4007		1295249
D8	STTH2002DI		TO220ACS	DIODE, ULTRAFast, 20A, 200V or 1N4007		1295249

D9	1N4007		DO41-10	DIODE	26 S 8100	1324152
D10	STTH2002DI		TO220ACS	DIODE, ULTRAFAST, 20A, 200V or 1N4007		1295249
D11	STTH2002DI		TO220ACS	DIODE, ULTRAFAST, 20A, 200V or 1N4007		1295249
D12	STTH2002DI		TO220ACS	DIODE, ULTRAFAST, 20A, 200V or 1N4007		1295249
D13	STTH2002DI		TO220ACS	DIODE, ULTRAFAST, 20A, 200V or 1N4007		1295249
D14	1N4007		DO41-10	DIODE	26 S 8100	1295249
IC1	7924		TO220V	VOLTAGE REGULATOR	-	9666290
IC2	7824		TO220V	VOLTAGE REGULATOR	50 S 1750	9666257
J1	IN		10X03MTA	MOLEX - 22-29-2031 - HEADER, THT, VERTICAL, 2.54MM, 3WAY		1360131
J2	OUT		10X03MTA	MOLEX - 22-29-2031 - HEADER, THT, VERTICAL, 2.54MM, 3WAY		1360131
J8	AC IN		TBLOCK5.0_3	Terminal block, PT 2.5/3-5.0-H, 3-pole, 10 mm	09 H 2401	1793675
KK1	SK104-PAD		SK104-PAD	Heatsink, H 50.8 mm, 9.0 K/W, SK 104 50.8 STS	65 B 3476	1222496
KK2	SK104-PAD		SK104-PAD	Heatsink, H 50.8 mm, 9.0 K/W, SK 104 50.8 STS	65 B 3476	1222496
KK3	SK104-PAD		SK104-PAD	Heatsink, H 50.8 mm, 9.0 K/W, SK 104 50.8 STS	65 B 3476	1222496
KK4	SK104-PAD		SK104-PAD	Heatsink, H 50.8 mm, 9.0 K/W, SK 104 50.8 STS	65 B 3476	1222496
P1	200R	20R	S64W	Multiturn trimpot	76 E 2658	9353224
P2	50R		S64W	Multiturn trimpot	76 E 2654	9353275
P4	200R	20R	S64W	Multiturn trimpot	76 E 2658	9353224
P5	50R		S64W	Multiturn trimpot	76 E 2654	9353275
Q1	2SK246	2SK170V	TO92-FET	pacificsemi.com	-	-
Q2	2SJ103	2SJ74V	TO92-FET	pacificsemi.com	-	-
Q3	BC560C		TO92-EBC	PNP Transistor	12 S 5900	1467886
Q4	BC550C		TO92-EBC	NPN Transistor	12 S 5250	2101813
Q5	BF862		BF862		-	1758058
Q6	BC550C		TO92-EBC	NPN Transistor	12 S 5250	2101813
Q7	BC550C		TO92-EBC	NPN Transistor	12 S 5250	2101813
Q8	BC550C		TO92-EBC	NPN Transistor	12 S 5250	2101813
Q11	2SK246	2SK170V	TO92-FET	pacificsemi.com	-	-
Q12	2SJ103	2SJ74V	TO92-FET	pacificsemi.com	-	-
Q13	BC560C		TO92-EBC	PNP Transistor	12 S 5900	1467886
Q14	BC550C		TO92-EBC	NPN Transistor	12 S 5250	2101813
Q15	BC550C		TO92-EBC	NPN Transistor	12 S 5250	2101813
Q16	BC550C		TO92-EBC	NPN Transistor	12 S 5250	2101813
Q17	BC550C		TO92-EBC	NPN Transistor	12 S 5250	2101813
Q18	BF862		BF862		-	1758058
Q19	IRF610		TO220BV	Power MOSFET N-Channel	24 S 3256	8648328
Q20	IRF9620		TO220BV	Power MOSFET P-Channel	-	9103570
R1	100K		0207/10			
R2	330R		0207/10			
R3	330R		0207/10			
R4	1K/1W		0207/10			
R5	1K/1W		0207/10			
R6	470R	220R	0207/10			

R7	9K	10K	0207/10
R8	18K	10K	0207/10
R9	6K8	2K2	0207/10
R10	15R		0207/12
R11	9K	10K	0207/10
R12	18K	10K	0207/10
R13	15R		0207/12
R14	n/a	27R	0207/10
R15	56K		0207/10
R16	6R8		0207/10
R17	10K		0207/10
R18	15R		0207/10
R19	6K8		0207/10
R20	470R		0207/10
R21	47R		0207/10
R22	15R		0207/12
R23	15R		0207/10
R24	2M2		0207/10
R25	n/a	27R	0207/10
R27	100R/2W		R_0617/22
R28	100K		0207/10
R29	330R		0207/10
R30	330R		0207/10
R31	1K/1W		0207/10
R32	1K/1W		0207/10
R33	470R	220R	0207/10
R34	9K	10K	0207/10
R35	18K	10K	0207/10
R36	15R		0207/12
R37	6K8	2K2	0207/10
R38	15R		0207/12
R39	9K	10K	0207/10
R40	18K	10K	0207/10
R41	470R		0207/10
R42	56K		0207/10
R43	6K8		0207/10
R44	6R8		0207/10
R45	15R		0207/10
R46	10K		0207/10
R47	47R		0207/10
R48	15R		0207/12
R49	15R		0207/12
R50	2M2		0207/10

R51	470R/2W	R_0617/22
R52	27R	R_0617/22
R53	10K	0207/10
R54	330R	0207/10
R55	100R/2W	R_0617/22
R56	470R/2W	R_0617/22
R57	27R	R_0617/22
R58	10K	0207/10
R59	330R	0207/10