

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

Single channel Ver. 2.2 (2014-01-11)

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

	2SK24/2SJ103 version	2SK170V/ 2SJ74V version				
Part	Value	Value	Package	Description	Buerklin	Farnell
C1	100uF	47uF	ECAP5/10.5	PANASONIC – EEUFC1H101, 100UF, 50V		1848464
C2	100uF	47uF	ECAP5/10.5	PANASONIC – EEUFC1H101, 100UF, 50V		1848464
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		C105-091X182RM10		43 D 642	1890162
C11	n/a	120p	C050-025X075		53 D 703	1835009
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
D5	4 x STTH2002DI		DIODE_RD	DIODE, ULTRAFAST, 20A, 200V or 1N4007		1295249
D6	4 x STTH2002DI		DIODE_LD	DIODE, ULTRAFAST, 20A, 200V or 1N4007		1295249
D7	4 x STTH2002DI		DIODE_LU	DIODE, ULTRAFAST, 20A, 200V or 1N4007		1295249
D8	4 x STTH2002DI		DIODE_RU	DIODE, ULTRAFAST, 20A, 200V or 1N4007		1295249
D9	1N4007		DO41-10	DIODE	26 S 8100	1324152
D10	4 x STTH2002DI		DIODE_RD	DIODE, ULTRAFAST, 20A, 200V or 1N4007		1295249
D11	STTH2002DI		DIODE_LD	DIODE, ULTRAFAST, 20A, 200V or 1N4007		1295249
D12	STTH2002DI		DIODE_LU	DIODE, ULTRAFAST, 20A, 200V or 1N4007		1295249
D13	STTH2002DI		DIODE_RU	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		10X02MTA	MOLEX - 22-29-2021 - HEADER, VERTICAL, SQ PIN, 0.1", 2WAY		1360130
J2	OUT		10X02MTA	MOLEX - 22-29-2021 - HEADER, VERTICAL, SQ PIN, 0.1", 2WAY		1360130
J3	AC IN		PCB_TAB3	Tab strip, 3-pole, 5.0 mm grid, L 13.5 mm, 900-SUN 5/3	07 F 6018	
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
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	2 x BC550C		TO92-EBC	NPN Transistor	12 S 5250	2101813
Q19	IRF610		TO220BV	Power MOSFET N-Channel	24 S 3256	8648328
Q20	IRF9620		TO220BV	Power MOSFET P-Channel	-	9103570
R1	100K		0207/10			2329987
R2	330R		0207/10			1634037
R3	330R		0207/10			1634037
R4	1K/1W		0207/10			1565353
R5	1K/1W		0207/10			1565353
R6	470R	220R	0207/10			2330156
R7	9K	10K	0207/10	9K1		2330241
R8	18K	10K	0207/10			9475699
R9	6K8	2K2	0207/10			2330213
R10	15R/1W		0207/12			1735037
R11	9K	10K	0207/10	9K1		2330241
R12	18K	10K	0207/10			9475699
R13	15R/1W		0207/12			1735037
R14	n/a	27R	0207/10			-
R15	56K		0207/10			2330186
R16	6R8		0207/10			2330217
R17	10K		0207/10			2329990
R18	15R		0207/10			2330022
R19	6K8		0207/10			2330213
R20	470R		0207/10			2330156
R21	47R		0207/10			2330160
R22	15R/1W		0207/12			1735037
R23	15R/1W		0207/12			1735037
R24	2M2		0207/10			2330093

R27	100R/2W	R_0617/22	1462388
R51	470R/2W	R_0617/22	1462390
R52	27R	R_0617/22	1462382
R53	10K	0207/10	2329990
R54	330R	0207/10	1634037
R55	100R/2W	R_0617/22	1462388
R56	470R/2W	R_0617/22	1462390
R57	27R	R_0617/22	1462382
R58	10K	0207/10	
R59	330R	0207/10	