

Bill of material for Juma JFET preamplifier (<http://www.diyaudio.com/forums/pass-labs/244106-lsk-pre-baf-2013-a.html>)  
for Dual channel rev 2.8, single channel rev.3.0 and PS rev.2.7 (2014-02-14)

Part	Value	Package	Description	Buerklin	Farnell	Mouser	Digikey
<b>Input section (common components)</b>							
C7	0u1	9.1x18.2mm, RM5, 10 or 15mm		43 D 312	1890162	non-stocked	non-stocked
C10	0u1	9.1x18.2mm, RM5, 10 or 15mm		43 D 312	1890162		
J1	IN	22-23-2031	MOLEX - 22-29-2031 - HEADER, THT, VERTICAL, 2.54MM, 3WAY		1360131	538-22-29-2031	WM2745-ND
J2	OUT	22-23-2031	MOLEX - 22-29-2031 - HEADER, THT, VERTICAL, 2.54MM, 3WAY		1360131	538-22-29-2031	WM2745-ND
Q3	BC560C	TO92-EBC	PNP Transistor	12 S 5900	1467886	<a href="#">512-BC560CTA</a>	<a href="#">BC560CTACT-ND</a>
Q4	BC550C	TO92-EBC	NPN Transistor	12 S 5250	2101813	863-BC550CG	BC550CGOS-ND
Q13	BC560C	TO92-EBC	PNP Transistor	12 S 5900	1467886	<a href="#">512-BC560CTA</a>	<a href="#">BC560CTACT-ND</a>
Q14	BC550C	TO92-EBC	NPN Transistor	12 S 5250	2101813	863-BC550CG	BC550CGOS-ND
R1	100K	0207/10			2329987	279-LR1F100K	<a href="#">A105945CT-ND</a>
R4	1K/2W	0207/10	<b>Not required if CCS is used</b>		1565434	71-CPF21K0000FKE14	<a href="#">PPC1.0KW-2CT-ND</a>
R5	1K/2W	0207/10	<b>Not required if CCS is used</b>		1565434	71-CPF21K0000FKE14	<a href="#">PPC1.0KW-2CT-ND</a>
R10	15R/1W	0207/12		32 E 504	1735037	594-AC01W15R00J	<a href="#">PPC1W15.0CT-ND</a>
R13	15R/1W	0207/12		32 E 504	1735037	594-AC01W15R00J	<a href="#">PPC1W15.0CT-ND</a>
R28	100K	0207/10			2329987	279-LR1F100K	<a href="#">A105945CT-ND</a>
R31	1K/2W	0207/10	<b>Not required if CCS is used</b>		1565434	71-CPF21K0000FKE14	<a href="#">PPC1.0KW-2CT-ND</a>
R32	1K/2W	0207/10	<b>Not required if CCS is used</b>		1565434	71-CPF21K0000FKE14	<a href="#">PPC1.0KW-2CT-ND</a>
R36	15R/1W	0207/12		32 E 504	1735037	594-AC01W15R00J	<a href="#">PPC1W15.0CT-ND</a>
R38	15R/1W	0207/12		32 E 504	1735037	594-AC01W15R00J	<a href="#">PPC1W15.0CT-ND</a>
<b>Input section – 2SK24/2SJ103 version</b>							
C1	100uF	10.5mm, RM2.5 or RM5	PANASONIC – EEUFC1H101, 100UF, 50V		1848464	<a href="#">667-EEU-FC1H101</a>	P10323-ND
C2	100uF	10.5mm, RM2.5 or RM5	PANASONIC – EEUFC1H101, 100UF, 50V		1848464	<a href="#">667-EEU-FC1H101</a>	P10323-ND
C8	100uF	10.5mm, RM2.5 or RM5	PANASONIC – EEUFC1H101, 100UF, 50V		1848464	<a href="#">667-EEU-FC1H101</a>	P10323-ND
C9	100uF	10.5mm, RM2.5 or RM5	PANASONIC – EEUFC1H101, 100UF, 50V		1848464	<a href="#">667-EEU-FC1H101</a>	P10323-ND
P1	200R	S64W	Multiturn trimpot	76 E 2658	9353224	<a href="#">652-3296W-1-201LF</a>	<a href="#">3296W-201LF-ND</a>
P4	200R	S64W	Multiturn trimpot	76 E 2658	9353224	<a href="#">652-3296W-1-201LF</a>	<a href="#">3296W-201LF-ND</a>
Q1	2SK246	TO92-FET	<b>Rotate when mount to fit 2SK170V pinout</b>	-	-		
Q2	2SJ103	TO92-FET	<b>Rotate when mount to fit 2SJ74V pinout</b>	-	-		
Q11	2SK246	TO92-FET	<b>Rotate when mount to fit 2SK170V pinout</b>	-	-		
Q12	2SJ103	TO92-FET	<b>Rotate when mount to fit 2SJ74V pinout</b>	-	-		
R2	<a href="#">330R</a>	<a href="#">0207/10</a>			<a href="#">1634037</a>	<a href="#">71-CMF60330R00FKEA</a>	<a href="#">CMF33.0FHCT-ND</a>
R3	<a href="#">330R</a>	<a href="#">0207/10</a>			<a href="#">1634037</a>	<a href="#">71-CMF60330R00FKEA</a>	<a href="#">CMF33.0FHCT-ND</a>
R6	470R	0207/10			2330156	279-LR1F470R	<a href="#">A105960CT-ND</a>
R7	9K	0207/10	or 5K6 for phase splitter?		2330241	279-LR1F9K1	non-stocked
R8	18K	0207/10	<b>Not required if used as Phase splitter</b>		9475699	71-CMF6018K000FHB	non-stocked
R9	6K8	0207/10			2330213	279-LR1F6K8	non-stocked
R11	9K	0207/10	or 5K6 for phase splitter?		2330241	279-LR1F9K1	non-stocked
R12	18K	0207/10	<b>Not required if used as Phase splitter</b>		9475699	71-CMF6018K000FHB	non-stocked
R29	<a href="#">330R</a>	<a href="#">0207/10</a>			<a href="#">1634037</a>	<a href="#">71-CMF60330R00FKEA</a>	<a href="#">CMF33.0FHCT-ND</a>
R30	<a href="#">330R</a>	<a href="#">0207/10</a>			<a href="#">1634037</a>	<a href="#">71-CMF60330R00FKEA</a>	<a href="#">CMF33.0FHCT-ND</a>
R33	470R	0207/10			2330156	279-LR1F470R	<a href="#">A105960CT-ND</a>

R34	9K	0207/10	or 5K6 for phase splitter?	2330241	279-LR1F9K1	non-stocked
R35	18K	0207/10	<b>Not required if used as Phase splitter</b>	9475699	71-CMF6018K000FHBF	non-stocked
R37	6K8	0207/10		2330213	279-LR1F6K8	non-stocked
R39	9K	0207/10	or 5K6 for phase splitter?	2330241	279-LR1F9K1	non-stocked
R40	18K	0207/10	<b>Not required if used as Phase splitter</b>	9475699	71-CMF6018K000FHBF	non-stocked

Input section – 2SK170V/2SJ74V version (SKIP THIS SECTION IF YOU DECIDE TO MAKE 2SK24/2SJ103 VERSION!)						
C1	47uF	10.5mm, RM2.5 or RM5	PANASONIC – EEUTA1J470, 47UF, 63V	2118199	non-stocked	non-stocked
C2	47uF	10.5mm, RM2.5 or RM5	PANASONIC – EEUTA1J470, 47UF, 63V	2118199	non-stocked	non-stocked
C8	47uF	10.5mm, RM2.5 or RM5	PANASONIC – EEUTA1J470, 47UF, 63V	2118199	non-stocked	non-stocked
C9	47uF	10.5mm, RM2.5 or RM5	PANASONIC – EEUTA1J470, 47UF, 63V	2118199	non-stocked	non-stocked
C11	120p	2.5 x 7.5mm, RM5		53 D 703	1835009	non-stocked
C30	120p	2.5 x 7.5mm, RM5		53 D 703	1835009	non-stocked
P1	20R	S64W	Multiturn trimpot	76 E 2652	9353739	<a href="#">652-3299W-1-200LF</a> 3299W-200LF-ND
P4	20R	S64W	Multiturn trimpot	76 E 2652	9353739	<a href="#">652-3299W-1-200LF</a> 3299W-200LF-ND
Q1	2SK170V	TO92-FET	BL grade can be used for Phase splitter	-	-	
Q2	2SJ74V	TO92-FET	BL grade can be used for Phase splitter	-	-	
Q11	2SK170V	TO92-FET	BL grade can be used for Phase splitter	-	-	
Q12	2SJ74V	TO92-FET	BL grade can be used for Phase splitter	-	-	
R2	470R	0207/10		2330156	279-LR1F470R	<a href="#">A105960CT-ND</a>
R3	470R	0207/10		2330156	279-LR1F470R	<a href="#">A105960CT-ND</a>
R6	220R	0207/10		1565294	non-stocked	non-stocked
R7	10K	0207/10		2329990	279-LR1F10K	<a href="#">A105947CT-ND</a>
R8	10K	0207/10		2329990	279-LR1F10K	<a href="#">A105947CT-ND</a>
R9	2K2	0207/10		2330087	<a href="#">279-LR1F2K2</a>	<a href="#">A105957CT-ND</a>
R11	10K	0207/10		2329990	<a href="#">279-LR1F10K</a>	<a href="#">A105947CT-ND</a>
R12	10K	0207/10		2329990	279-LR1F10K	<a href="#">A105947CT-ND</a>
R14	27R	0207/10		2330085	279-LR1F27R	non-stocked
R25	27R	0207/10		2330085	279-LR1F27R	non-stocked
R29	470R	0207/10		2330156	279-LR1F470R	<a href="#">A105960CT-ND</a>
R30	470R	0207/10		2330156	279-LR1F470R	<a href="#">A105960CT-ND</a>
R33	220R	0207/10		1565294	non-stocked	non-stocked
R34	10K	0207/10		2329990	279-LR1F10K	<a href="#">A105947CT-ND</a>
R35	10K	0207/10		2329990	279-LR1F10K	<a href="#">A105947CT-ND</a>
R37	2K2	0207/10		2330087	<a href="#">279-LR1F2K2</a>	<a href="#">A105957CT-ND</a>
R39	10K	0207/10		2329990	279-LR1F10K	<a href="#">A105947CT-ND</a>
R40	10K	0207/10		2329990	279-LR1F10K	<a href="#">A105947CT-ND</a>

CCS section ( suggested by Koja, mandatory for Phase splitter, can be used with any input section)						
Q1A	J310	TO92-FET	-	1364035	863-J310G	<a href="#">J310GOS-ND</a>
Q2A	J310	TO92-FET	-	1364035	863-J310G	<a href="#">J310GOS-ND</a>
Q11A	J310	TO92-FET	-	1364035	863-J310G	<a href="#">J310GOS-ND</a>
Q12A	J310	TO92-FET	-	1364035	863-J310G	<a href="#">J310GOS-ND</a>
R4A	330R	0207/10		1634037	71-CMF60330R00FKEA	<a href="#">CMF33.0FHCT-ND</a>
R4B	100R	0207/10	or 68R for phase splitter?	1652646	non-stocked	non-stocked
R5A	330R	0207/10		1634037	71-CMF60330R00FKEA	<a href="#">CMF33.0FHCT-ND</a>
R5B	100R	0207/10	or 68R for phase splitter?	1652646	non-stocked	non-stocked
R31A	330R	0207/10		1634037	71-CMF60330R00FKEA	<a href="#">CMF33.0FHCT-ND</a>
R31B	100R	0207/10	or 68R for phase splitter?	1652646	non-stocked	non-stocked

R32A	330R	0207/10			1634037	71-CMF60330R00FKEA	<a href="#">CMF33.0FHCT-ND</a>
R32B	100R	0207/10	or 68R for phase splitter?		1652646	non-stocked	non-stocked
<b>Phase splitter additional components</b>							
P3	20R	S64W	Multiturn trimpot	76 E 2652	9353739	<a href="#">652-3299W-1-200LF</a>	3299W-200LF-ND
P6	20R	S64W	Multiturn trimpot	76 E 2652	9353739	<a href="#">652-3299W-1-200LF</a>	3299W-200LF-ND
R9A	330R	0207/10			1634037	71-CMF60330R00FKEA	<a href="#">CMF33.0FHCT-ND</a>
R9B	330R	0207/10			1634037	71-CMF60330R00FKEA	<a href="#">CMF33.0FHCT-ND</a>
R37A	330R	0207/10			1634037	71-CMF60330R00FKEA	<a href="#">CMF33.0FHCT-ND</a>
R37B	330R	0207/10			1634037	71-CMF60330R00FKEA	<a href="#">CMF33.0FHCT-ND</a>
J3	OUT2A	22-23-2021	MOLEX - 22-29-2031 - HEADER, THT, VERTICAL, 2.54MM, 2WAY		1360130	538-22-29-2021	WM2744-ND
J4	OUT2B	22-23-2021	MOLEX - 22-29-2031 - HEADER, THT, VERTICAL, 2.54MM, 2WAY		1360130	538-22-29-2021	WM2744-ND
<b>Buffer</b>							
C3	10uF	8mm, RM3.5	PANASONIC – EEUTA1H100, 10UF, 50V		2118183, 8126992	non-stocked	non-stocked
		9.1x18.2mm, RM15mm	Possible C3 replacement in film version	51 D 466	1413755, 2098648	<a href="#">871-B32522C106K</a>	<a href="#">495-4092-ND</a>
C4	47uF	7mm, RM2.5	PANASONIC – EEUFC1H470, 47UF, 50V		1848463	<a href="#">667-EEU-FC1H470</a>	<a href="#">P10321-ND</a>
C5	47uF	7mm, RM2.5	PANASONIC – EEUFC1H470, 47UF, 50V		1848463, 2098648	<a href="#">667-EEU-FC1H470</a>	<a href="#">P10321-ND</a>
C6	10uF	8mm, RM3.5	PANASONIC – EEUTA1H100, 10UF, 50V		2118183, 8126992	<a href="#">non-stocked</a>	non-stocked
		9.1x18.2mm, RM15mm	Possible C3 replacement in film version	51 D 466	1413755, 2098648	<a href="#">871-B32522C106K</a>	<a href="#">495-4092-ND</a>
C12	47uF	7mm, RM2.5	PANASONIC – EEUFC1H470, 47UF, 50V		1848463	<a href="#">667-EEU-FC1H470</a>	<a href="#">P10321-ND</a>
C13	47uF	7mm, RM2.5	PANASONIC – EEUFC1H470, 47UF, 50V		1848463	<a href="#">667-EEU-FC1H470</a>	<a href="#">P10321-ND</a>
Q5	BF862	SOT-23		-	1758058, 2133897	<a href="#">771-BF862-T/R</a>	<a href="#">568-1968-1-ND</a>
Q6	BC550C	TO92-EBC	NPN Transistor	12 S 5250	2101813	<a href="#">512-BC560CTA</a>	BC550CGOS-ND
Q7	BC550C	TO92-EBC	NPN Transistor	12 S 5250	2101813	512-BC560CTA	BC550CGOS-ND
Q8	BC550C	TO92-EBC	NPN Transistor	12 S 5250	2101813	512-BC560CTA	BC550CGOS-ND
Q15	BC550C	TO92-EBC	NPN Transistor	12 S 5250	2101813	512-BC560CTA	BC550CGOS-ND
Q16	BC550C	TO92-EBC	NPN Transistor	12 S 5250	2101813	512-BC560CTA	BC550CGOS-ND
Q17	BC550C	TO92-EBC	NPN Transistor	12 S 5250	2101813	512-BC560CTA	BC550CGOS-ND
Q18	BF862	SOT-23		-	1758058, 2133897	<a href="#">771-BF862-T/R</a>	<a href="#">568-1968-1-ND</a>
P2	50R	S64W	Multiturn trimpot	76 E 2654	9353275	<a href="#">652-3296W-1-500LF</a>	<a href="#">3296W-500LF-ND</a>
P5	50R	S64W	Multiturn trimpot	76 E 2654	9353275	<a href="#">652-3296W-1-500LF</a>	<a href="#">3296W-500LF-ND</a>
R15	56K	0207/10			2330186	<a href="#">279-LR1F56K</a>	non-stocked
R16	6R8	0207/10			2330217	<a href="#">279-LR1F6R8</a>	non-stocked
R17	10K	0207/10			2329990	279-LR1F10K	<a href="#">A105947CT-ND</a>
R18	15R	0207/10			2330022	279-LR1F15R	non-stocked
R19	6K8	0207/10			2330213	279-LR1F6K8	non-stocked
R20	470R	0207/10			2330156	279-LR1F470R	<a href="#">A105960CT-ND</a>
R21	47R	0207/10			2330160	279-LR1F47R	non-stocked
R22	15R	0207/12			1735037	279-LR1F15R	non-stocked
R23	15R	0207/10			1735037	279-LR1F15R	non-stocked
R24	2M2	0207/10			2330093	non-stocked	non-stocked
R41	470R	0207/10			2330156	279-LR1F470R	<a href="#">A105960CT-ND</a>

R42	56K	0207/10		2330186	<a href="#">279-LR1F56K</a>	non-stocked
R43	6K8	0207/10		2330217	279-LR1F6K8	non-stocked
R44	6R8	0207/10		2330217	279-LR1F6R8	non-stocked
R45	15R	0207/10		2330022	279-LR1F15R	non-stocked
R47	47R	0207/10		2330160	279-LR1F47R	non-stocked
R46	10K	0207/10		2329990	279-LR1F10K	<a href="#">A105947CT-ND</a>
R48	15R/1W	0207/12	32 E 504	1735037	594-AC01W15R00J	<a href="#">PPC1W15.0CT-ND</a>
R49	15R/1W	0207/12	32 E 504	1735037	594-AC01W15R00J	<a href="#">PPC1W15.0CT-ND</a>
R50	2M2	0207/10		2330093	non-stocked	non-stocked

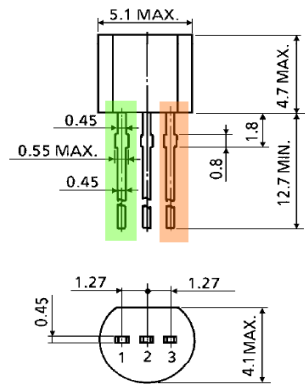
Power supply						
C14	220uF	13mm, RM5	PANASONIC – EEUFC1H221, 220UF, 50V	2326293	<a href="#">667-EEU-FC1H221B</a>	P10325-ND
C15	220uF	13mm, RM5	PANASONIC – EEUFC1H221, 220UF, 50V	2326293	<a href="#">667-EEU-FC1H221B</a>	P10325-ND
C16	220uF	13mm, RM5	PANASONIC – EEUFC1H221, 220UF, 50V	2326293	667-EEU-FC1H221B	P10325-ND
C17	220uF	13mm, RM5	PANASONIC – EEUFC1H221, 220UF, 50V	2326293	667-EEU-FC1H221B	P10325-ND
C18	220uF	13mm, RM5	PANASONIC – EEUFC1H221, 220UF, 50V	2326293	667-EEU-FC1H221B	P10325-ND
C19	220uF	13mm, RM5	PANASONIC – EEUFC1H221, 220UF, 50V	2326293	667-EEU-FC1H221B	P10325-ND
C20	1000uF/50V	16mm, RM7.5mm	PANASONIC – EEUFC1H102, 1000UF, 50V	1848454	667-EEU-FC1V102S	<a href="#">P10876-ND</a>
C21	1000uF/50V	16mm, RM7.5mm	PANASONIC – EEUFC1H102, 1000UF, 50V	1848454	667-EEU-FC1V102S	<a href="#">P10876-ND</a>
C22	220uF	13mm, RM5	PANASONIC – EEUFC1H221, 220UF, 50V	2326293	667-EEU-FC1H221B	P10325-ND
C23	220uF	13mm, RM5	PANASONIC – EEUFC1H221, 220UF, 50V	2326293	667-EEU-FC1H221B	P10325-ND
C24	220uF	13mm, RM5	PANASONIC – EEUFC1H221, 220UF, 50V	2326293	667-EEU-FC1H221B	P10325-ND
C25	220uF	13mm, RM5	PANASONIC – EEUFC1H221, 220UF, 50V	2326293	667-EEU-FC1H221B	P10325-ND
C26	220uF	13mm, RM5	PANASONIC – EEUFC1H221, 220UF, 50V	2326293	667-EEU-FC1H221B	P10325-ND
C27	1000uF/50V	16mm, RM7.5mm	PANASONIC – EEUFC1H102, 1000UF, 50V	1848454	667-EEU-FC1V102S	<a href="#">P10876-ND</a>
C28	1000uF/50V	16mm, RM7.5mm	PANASONIC – EEUFC1H102, 1000UF, 50V	1848454	667-EEU-FC1V102S	<a href="#">P10876-ND</a>
C29	220uF	13mm, RM5	PANASONIC – EEUFC1H221, 220UF, 50V	2326293	667-EEU-FC1H221B	P10325-ND
D1	<a href="#">1N4007</a>	<a href="#">DO41-10</a>	<a href="#">DIODE</a>	<a href="#">26 S 8100</a>	<a href="#">1N4007-B</a>	<a href="#">1N4007-TPMSCT-ND</a>
D2	<a href="#">1N4007</a>	<a href="#">DO41-10</a>	<a href="#">DIODE</a>	<a href="#">26 S 8100</a>	<a href="#">1N4007-B</a>	<a href="#">1N4007-TPMSCT-ND</a>
D3	<a href="#">1N4007</a>	<a href="#">DO41-10</a>	<a href="#">DIODE</a>	<a href="#">26 S 8100</a>	<a href="#">1N4007-B</a>	<a href="#">1N4007-TPMSCT-ND</a>
D4	<a href="#">1N4007</a>	<a href="#">DO41-10</a>	<a href="#">DIODE</a>	<a href="#">26 S 8100</a>	<a href="#">1N4007-B</a>	<a href="#">1N4007-TPMSCT-ND</a>
D5	<a href="#">1N4007 (or MUR820)</a>	<a href="#">DO41 (or TO220)</a>	<a href="#">DIODE</a>	<a href="#">26 S 8100</a>	<a href="#">2317417, 1625178</a> <a href="#">1N4007-B</a>	<a href="#">1N4007-TPMSCT-ND</a>
D6	<a href="#">1N4007 (or MUR820)</a>	<a href="#">DO41 (or TO220)</a>	<a href="#">DIODE</a>	<a href="#">26 S 8100</a>	<a href="#">2317417, 1625178</a> <a href="#">1N4007-B</a>	<a href="#">1N4007-TPMSCT-ND</a>
D7	<a href="#">1N4007 (or MUR820)</a>	<a href="#">DO41 (or TO220)</a>	<a href="#">DIODE</a>	<a href="#">26 S 8100</a>	<a href="#">2317417, 1625178</a> <a href="#">1N4007-B</a>	<a href="#">1N4007-TPMSCT-ND</a>
D8	<a href="#">1N4007 (or MUR820)</a>	<a href="#">DO41 (or TO220)</a>	<a href="#">DIODE</a>	<a href="#">26 S 8100</a>	<a href="#">2317417, 1625178</a> <a href="#">1N4007-B</a>	<a href="#">1N4007-TPMSCT-ND</a>
D9	<a href="#">1N4007</a>	<a href="#">DO41-10</a>	<a href="#">DIODE</a>	<a href="#">26 S 8100</a>	<a href="#">1N4007-B</a>	<a href="#">1N4007-TPMSCT-ND</a>
D10	<a href="#">1N4007 (or MUR820)</a>	<a href="#">DO41 (or TO220)</a>	<a href="#">DIODE</a>	<a href="#">26 S 8100</a>	<a href="#">2317417, 1625178</a> <a href="#">1N4007-B</a>	<a href="#">1N4007-TPMSCT-ND</a>
D11	<a href="#">1N4007 (or MUR820)</a>	<a href="#">DO41 (or TO220)</a>	<a href="#">DIODE</a>	<a href="#">26 S 8100</a>	<a href="#">2317417, 1625178</a> <a href="#">1N4007-B</a>	<a href="#">1N4007-TPMSCT-ND</a>
D12	<a href="#">1N4007 (or MUR820)</a>	<a href="#">DO41 (or TO220)</a>	<a href="#">DIODE</a>	<a href="#">26 S 8100</a>	<a href="#">2317417, 1625178</a> <a href="#">1N4007-B</a>	<a href="#">1N4007-TPMSCT-ND</a>
D13	<a href="#">1N4007 (or MUR820)</a>	<a href="#">DO41 (or TO220)</a>	<a href="#">DIODE</a>	<a href="#">26 S 8100</a>	<a href="#">2317417, 1625178</a> <a href="#">1N4007-B</a>	<a href="#">1N4007-TPMSCT-ND</a>
D14	<a href="#">1N4007</a>	<a href="#">DO41-10</a>	<a href="#">DIODE</a>	<a href="#">26 S 8100</a>	<a href="#">1N4007-B</a>	<a href="#">1N4007-TPMSCT-ND</a>
D15	<a href="#">1N4007</a>	<a href="#">DO41-10</a>	<a href="#">DIODE</a>	<a href="#">26 S 8100</a>	<a href="#">1N4007-B</a>	<a href="#">1N4007-TPMSCT-ND</a>

D16	1N4007	DO41-10	DIODE	26 S 8100		<a href="#">1N4007-B</a>	<a href="#">1N4007-TPMSCT-ND</a>
IC1	7924	TO220V	VOLTAGE REGULATOR	-	9666290	863-MC7924CTG	MC7924CTGOS-ND
IC2	7824	TO220V	VOLTAGE REGULATOR	50 S 1750	9666257	863-MC7824CTG	MC7824CTGOS-ND
J5	GND TAB	PCB_TAB	PCB mounting tab	05 F 270	892609	<a href="#">571-624091</a>	A24742-ND
J8	<a href="#">AC IN</a>	<a href="#">TBLOCK5.0_4</a>	<a href="#">Terminal block, PT 2.5/3-5.0-H, 4-pole, 15 mm</a>	<a href="#">09 H 2402</a>	<a href="#">1793675</a>	<a href="#">651-1935187</a>	<a href="#">non-stocked</a>
KK1	SK104-PAD	SK104-PAD	Heatsink, H 50.8 mm, 9.0 K/W, SK 104 50.8 STS (optional)	70 B 677	1892331	<a href="#">532-531302B25</a>	<a href="#">HS386-ND</a>
KK2	SK104-PAD	SK104-PAD	Heatsink, H 50.8 mm, 9.0 K/W, SK 104 50.8 STS (optional)	70 B 677	1892331	<a href="#">532-531302B25</a>	<a href="#">HS386-ND</a>
KK3	SK104-PAD	SK104-PAD	Heatsink, H 50.8 mm, 9.0 K/W, SK 104 50.8 STS (optional)	70 B 677	1892331	<a href="#">532-531302B25</a>	<a href="#">HS386-ND</a>
KK4	SK104-PAD	SK104-PAD	Heatsink, H 50.8 mm, 9.0 K/W, SK 104 50.8 STS (optional)	70 B 677	1892331	<a href="#">532-531302B25</a>	<a href="#">HS386-ND</a>
Q19	IRF610	TO220BV	Power MOSFET N-Channel	24 S 3256	8648328	844-IRF610PBF	IRF610PBF-ND
Q20	IRF9620	TO220BV	Power MOSFET P-Channel	-	9103570	844-IRF9620PBF	IRF9620PBF-ND
<a href="#">R26</a>	<a href="#">10R/1W</a>	<a href="#">0207/10</a>		<a href="#">32 E 500</a>	<a href="#">4902981</a>	<a href="#">594-5073NW10R00J</a>	<a href="#">PPC10W-1CT-ND</a>
R27	100R/2W	R_0617/22		32 E 708	1462388	588-OY-100-E	OY101KE-ND
R51	470R/2W	R_0617/22		18 E 704	1462390	588-OY-470-E	OY471KE-ND
R52	27R/2W	R_0617/22		32 E 694	1462382	588-OY-27-E	OY270KE-ND
R53	10K	0207/10			2329990	279-LR1F10K	<a href="#">A105947CT-ND</a>
R54	330R	0207/10			1634037	71-CMF60330R00FKEA	CMF33.0FHCT-ND
R55	100R/2W	R_0617/22		32 E 708	1462388	588-OY-100-E	OY101KE-ND
R56	470R/2W	R_0617/22		18 E 704	1462390	588-OY-470-E	OY471KE-ND
R57	27R/2W	R_0617/22		32 E 694	1462382	588-OY-27-E	OY270KE-ND
R58	10K	0207/10			2329990	279-LR1F10K	<a href="#">A105947CT-ND</a>
R59	330R	0207/10			1634037	71-CMF60330R00FKEA	CMF33.0FHCT-ND

<b>Separate power supply PCB components</b>							
C14	220uF/axial	22x9mm or 30x10mm		11 D 305, 11 D 395	8823642, 8823790	<a href="#">647-TVX1V221MAD</a>	<a href="#">non-stocked</a>
C15	220uF/axial	22x9mm or 30x10mm		11 D 305, 11 D 395	8823642, 8823790	<a href="#">647-TVX1V221MAD</a>	<a href="#">non-stocked</a>
C18	220uF/axial	22x9mm or 30x10mm		11 D 305, 11 D 395	8823642, 8823790	<a href="#">647-TVX1V221MAD</a>	<a href="#">non-stocked</a>
C25	220uF/axial	22x9mm or 30x10mm		11 D 305, 11 D 395	8823642, 8823790	<a href="#">647-TVX1V221MAD</a>	<a href="#">non-stocked</a>
<a href="#">D1</a>	<a href="#">same as D15</a>						
<a href="#">D2</a>	<a href="#">same as D16</a>						
F1		SH22,5A	FUSE HOLDER grid 22,5mm, isolated cap OGN0031 8201, Schurter		1162740	693-0031.8201	486-1258-ND
			SCHURTER - 0853.0551 - COVER, FOR OGN FUSEHOLDERS		1176774	693-0853.0551	486-1960-ND
J1		22-23-2051	MOLEX - 22-29-2051 - HEADER, VERTICAL, SQ PIN, 0.1", 5WAY		1360133	538-22-29-2051	WM2747-ND
J2		22-23-2051	MOLEX - 22-29-2051 - HEADER, VERTICAL, SQ PIN, 0.1", 5WAY		1360133	538-22-29-2051	WM2747-ND

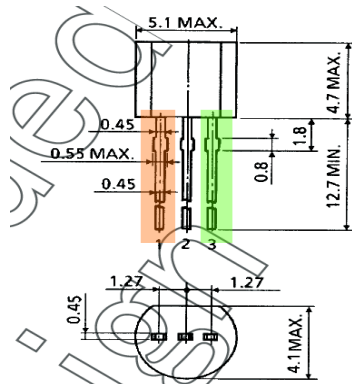
NTC1	10R	NTC_R		80 E 6583, 80 E 6621	1704469	<a href="#">871-B57238S100M</a>	<a href="#">495-2101-ND</a>
TR1		PCB_TRAFO2	PCB Transformer 2x115V, 2x18V, 10-30VA (Block FL type or Spitznagel SPF type)	34 C 634, 34 C 644, 34 C 654	1131491, 1131498, 1131505, 1131518, 1131524		

<b>Single channel additional components</b>							
J1	IN	22-23-2021	MOLEX - 22-29-2031 - HEADER, THT, VERTICAL, 2.54MM, 2WAY		1360130	538-22-29-2021	WM2744-ND
J2	OUT	22-23-2021	MOLEX - 22-29-2031 - HEADER, THT, VERTICAL, 2.54MM, 2WAY		1360130	538-22-29-2021	WM2744-ND
J4	POWER	22-23-2051	MOLEX - 22-29-2051 - HEADER, VERTICAL, SQ PIN, 0.1", 5WAY		1360133		



2SK170/2SJ74 pinout

- 1. DRAIN
- 2. GATE
- 3. SOURCE

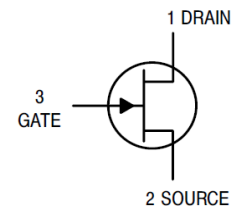
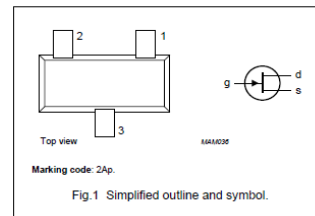


2SK246/2SJ103 pinout

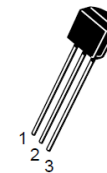
- 1. SOURCE
- 2. GATE
- 3. DRAIN

PINNING SOT23

PIN	DESCRIPTION
1	source
2	drain
3	gate



J310 pinout



TO-92  
CASE 29-11  
STYLE 5