

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 2.7, single channel rev.3.0 and PS rev.2.6 (2014-01-23)

| Part                                        | Value  | Package                     | Description                                              | Buerklin  | Farnell |
|---------------------------------------------|--------|-----------------------------|----------------------------------------------------------|-----------|---------|
| <b>Input section (common components)</b>    |        |                             |                                                          |           |         |
| C7                                          | 0u1    | 9.1x18.2mm, RM5, 10 or 15mm |                                                          | 43 D 312  | 1890162 |
| 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 |
| J2                                          | OUT    | 22-23-2031                  | MOLEX - 22-29-2031 - HEADER, THT, VERTICAL, 2.54MM, 3WAY |           | 1360131 |
| Q3                                          | BC560C | TO92-EBC                    | PNP Transistor                                           | 12 S 5900 | 1467886 |
| Q4                                          | BC550C | TO92-EBC                    | NPN Transistor                                           | 12 S 5250 | 2101813 |
| Q13                                         | BC560C | TO92-EBC                    | PNP Transistor                                           | 12 S 5900 | 1467886 |
| Q14                                         | BC550C | TO92-EBC                    | NPN Transistor                                           | 12 S 5250 | 2101813 |
| R1                                          | 100K   | 0207/10                     |                                                          |           | 2329987 |
| R2                                          | 330R   | 0207/10                     |                                                          |           | 1634037 |
| R3                                          | 330R   | 0207/10                     |                                                          |           | 1634037 |
| R4                                          | 1K/2W  | 0207/10                     | <b>Not required if CCS is used</b>                       |           | 1565434 |
| R5                                          | 1K/2W  | 0207/10                     | <b>Not required if CCS is used</b>                       |           | 1565434 |
| R10                                         | 15R/1W | 0207/12                     |                                                          |           | 1735037 |
| R13                                         | 15R/1W | 0207/12                     |                                                          |           | 1735037 |
| R28                                         | 100K   | 0207/10                     |                                                          |           | 2329987 |
| R29                                         | 330R   | 0207/10                     |                                                          |           | 1634037 |
| R30                                         | 330R   | 0207/10                     |                                                          |           | 1634037 |
| R31                                         | 1K/2W  | 0207/10                     | <b>Not required if CCS is used</b>                       |           | 1565434 |
| R32                                         | 1K/2W  | 0207/10                     | <b>Not required if CCS is used</b>                       |           | 1565434 |
| R36                                         | 15R/1W | 0207/12                     |                                                          |           | 1735037 |
| R38                                         | 15R/1W | 0207/12                     |                                                          |           | 1735037 |
| <b>Input section – 2SK24/2SJ103 version</b> |        |                             |                                                          |           |         |
| C1                                          | 100uF  | 10.5mm, RM2.5 or RM5        | PANASONIC – EEUFC1H101, 100UF, 50V                       |           | 1848464 |
| C2                                          | 100uF  | 10.5mm, RM2.5 or RM5        | PANASONIC – EEUFC1H101, 100UF, 50V                       |           | 1848464 |
| C8                                          | 100uF  | 10.5mm, RM2.5 or RM5        | PANASONIC – EEUFC1H101, 100UF, 50V                       |           | 1848464 |
| C9                                          | 100uF  | 10.5mm, RM2.5 or RM5        | PANASONIC – EEUFC1H101, 100UF, 50V                       |           | 1848464 |
| P1                                          | 200R   | S64W                        | Multiturn trimpot                                        | 76 E 2658 | 9353224 |
| P4                                          | 200R   | S64W                        | Multiturn trimpot                                        | 76 E 2658 | 9353224 |
| 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 | Rotate when mount to fit 2SJ74V pinout | - | -       |
| R6  | 470R   | 0207/10  |                                        |   | 2330156 |
| R7  | 9K     | 0207/10  | or 5K6 for phase splitter?             |   | 2330241 |
| R8  | 18K    | 0207/10  | Not required if used as Phase splitter |   | 9475699 |
| R9  | 6K8    | 0207/10  |                                        |   | 2330213 |
| R11 | 9K     | 0207/10  | or 5K6 for phase splitter?             |   | 2330241 |
| R12 | 18K    | 0207/10  | Not required if used as Phase splitter |   | 9475699 |
| R33 | 470R   | 0207/10  |                                        |   | 2330156 |
| R34 | 9K     | 0207/10  | or 5K6 for phase splitter?             |   | 2330241 |
| R35 | 18K    | 0207/10  | Not required if used as Phase splitter |   | 9475699 |
| R37 | 6K8    | 0207/10  |                                        |   | 2330213 |
| R39 | 9K     | 0207/10  | or 5K6 for phase splitter?             |   | 2330241 |
| R40 | 18K    | 0207/10  | Not required if used as Phase splitter |   | 9475699 |

| 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 |
| C2                                                                                                     | 47uF    | 10.5mm, RM2.5 or RM5 | PANASONIC – EEUTA1J470, 47UF, 63V       |           | 2118199 |
| C8                                                                                                     | 47uF    | 10.5mm, RM2.5 or RM5 | PANASONIC – EEUTA1J470, 47UF, 63V       |           | 2118199 |
| C9                                                                                                     | 47uF    | 10.5mm, RM2.5 or RM5 | PANASONIC – EEUTA1J470, 47UF, 63V       |           | 2118199 |
| C11                                                                                                    | 120p    | 2.5 x 7.5mm, RM5     |                                         | 53 D 703  | 1835009 |
| C30                                                                                                    | 120p    | 2.5 x 7.5mm, RM5     |                                         | 53 D 703  | 1835009 |
| P1                                                                                                     | 20R     | S64W                 | Multiturn trimpot                       | 76 E 2652 | 9353739 |
| P4                                                                                                     | 20R     | S64W                 | Multiturn trimpot                       | 76 E 2652 | 9353739 |
| 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 | -         | -       |
| R6                                                                                                     | 220R    | 0207/10              |                                         |           | 1565294 |
| R7                                                                                                     | 10K     | 0207/10              |                                         |           | 2329990 |
| R8                                                                                                     | 10K     | 0207/10              |                                         |           | 2329990 |
| R9                                                                                                     | 2K2     | 0207/10              |                                         |           | 2330087 |
| R11                                                                                                    | 10K     | 0207/10              |                                         |           | 2329990 |
| R12                                                                                                    | 10K     | 0207/10              |                                         |           | 2329990 |
| R14                                                                                                    | 27R     | 0207/10              |                                         |           | 2330085 |
| R25                                                                                                    | 27R     | 0207/10              |                                         |           | 2330085 |
| R33                                                                                                    | 220R    | 0207/10              |                                         |           | 1565294 |
| R34                                                                                                    | 10K     | 0207/10              |                                         |           | 2329990 |
| R35                                                                                                    | 10K     | 0207/10              |                                         |           | 2329990 |
| R37                                                                                                    | 2K2     | 0207/10              |                                         |           | 2330087 |
| R39                                                                                                    | 10K     | 0207/10              |                                         |           | 2329990 |
| R40                                                                                                    | 10K     | 0207/10              |                                         |           | 2329990 |

| CCS section ( suggested by Koja, mandatory for Phase splitter, can be used with any input section) |        |                    |                                                          |           |                  |
|----------------------------------------------------------------------------------------------------|--------|--------------------|----------------------------------------------------------|-----------|------------------|
| Q1A                                                                                                | J310   | TO92-FET           |                                                          | -         | 1364035          |
| Q2A                                                                                                | J310   | TO92-FET           |                                                          | -         | 1364035          |
| Q11A                                                                                               | J310   | TO92-FET           |                                                          | -         | 1364035          |
| Q12A                                                                                               | J310   | TO92-FET           |                                                          | -         | 1364035          |
| R4A                                                                                                | 330R   | 0207/10            |                                                          |           | 1634037          |
| R4B                                                                                                | 100R   | 0207/10            | or 68R for phase splitter?                               |           | 1652646          |
| R5A                                                                                                | 330R   | 0207/10            |                                                          |           | 1634037          |
| R5B                                                                                                | 100R   | 0207/10            | or 68R for phase splitter?                               |           | 1652646          |
| R31A                                                                                               | 330R   | 0207/10            |                                                          |           | 1634037          |
| R31B                                                                                               | 100R   | 0207/10            | or 68R for phase splitter?                               |           | 1652646          |
| R32A                                                                                               | 330R   | 0207/10            |                                                          |           | 1634037          |
| R32B                                                                                               | 100R   | 0207/10            | or 68R for phase splitter?                               |           | 1652646          |
| Phase splitter additional components                                                               |        |                    |                                                          |           |                  |
| P3                                                                                                 | 20R    | S64W               | Multiturn trimpot                                        | 76 E 2652 | 9353739          |
| P6                                                                                                 | 20R    | S64W               | Multiturn trimpot                                        | 76 E 2652 | 9353739          |
| R9A                                                                                                | 330R   | 0207/10            |                                                          |           | 1634037          |
| R9B                                                                                                | 330R   | 0207/10            |                                                          |           | 1634037          |
| R37A                                                                                               | 330R   | 0207/10            |                                                          |           | 1634037          |
| R37B                                                                                               | 330R   | 0207/10            |                                                          |           | 1634037          |
| J3                                                                                                 | OUT2A  | 22-23-2021         | MOLEX - 22-29-2031 - HEADER, THT, VERTICAL, 2.54MM, 2WAY |           | 1360130          |
| J4                                                                                                 | OUT2B  | 22-23-2021         | MOLEX - 22-29-2031 - HEADER, THT, VERTICAL, 2.54MM, 2WAY |           | 1360130          |
| Buffer                                                                                             |        |                    |                                                          |           |                  |
| C3                                                                                                 | 10uF   | 8mm, RM3.5         | PANASONIC – EEUTA1H100, 10UF, 50V                        |           | 2118183, 8126992 |
|                                                                                                    |        | 9.1x18.2mm, RM15mm | Possible C3 replacement in film version                  | 51 D 466  | 1413755, 2098648 |
| C4                                                                                                 | 47uF   | 7mm, RM2.5         | PANASONIC – EEUFC1H470, 47UF, 50V                        |           | 1848463          |
| C5                                                                                                 | 47uF   | 7mm, RM2.5         | PANASONIC – EEUFC1H470, 47UF, 50V                        |           | 1848463, 2098648 |
| C6                                                                                                 | 10uF   | 8mm, RM3.5         | PANASONIC – EEUTA1H100, 10UF, 50V                        |           | 2118183, 8126992 |
|                                                                                                    |        | 9.1x18.2mm, RM15mm | Possible C3 replacement in film version                  | 51 D 466  | 1413755, 2098648 |
| C12                                                                                                | 47uF   | 7mm, RM2.5         | PANASONIC – EEUFC1H470, 47UF, 50V                        |           | 1848463          |
| C13                                                                                                | 47uF   | 7mm, RM2.5         | PANASONIC – EEUFC1H470, 47UF, 50V                        |           | 1848463          |
| Q5                                                                                                 | BF862  | SOT-23             |                                                          | -         | 1758058, 2133897 |
| 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          |
| 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  | SOT-23  |                   | -         | 1758058, 2133897 |
| P2  | 50R    | S64W    | Multiturn trimpot | 76 E 2654 | 9353275          |
| P5  | 50R    | S64W    | Multiturn trimpot | 76 E 2654 | 9353275          |
| 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    | 0207/12 |                   |           | 1735037          |
| R23 | 15R    | 0207/10 |                   |           | 1735037          |
| R24 | 2M2    | 0207/10 |                   |           | 2330093          |
| R41 | 470R   | 0207/10 |                   |           | 2330156          |
| R42 | 56K    | 0207/10 |                   |           | 2330186          |
| R43 | 6K8    | 0207/10 |                   |           | 2330217          |
| R44 | 6R8    | 0207/10 |                   |           | 2330217          |
| R45 | 15R    | 0207/10 |                   |           | 2330022          |
| R47 | 47R    | 0207/10 |                   |           | 2330160          |
| R46 | 10K    | 0207/10 |                   |           | 2329990          |
| R48 | 15R/1W | 0207/12 |                   |           | 1735037          |
| R49 | 15R/1W | 0207/12 |                   |           | 1735037          |
| R50 | 2M2    | 0207/10 |                   |           | 2330093          |

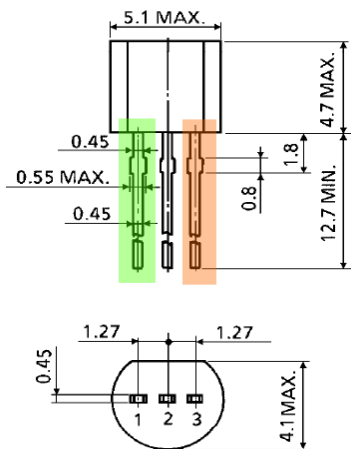
| Power supply |            |               |                                     |  |         |
|--------------|------------|---------------|-------------------------------------|--|---------|
| C14          | 220uF      | 13mm, RM5     | PANASONIC – EEUFC1H221, 220UF, 50V  |  | 2326293 |
| C15          | 220uF      | 13mm, RM5     | PANASONIC – EEUFC1H221, 220UF, 50V  |  | 2326293 |
| C16          | 220uF      | 13mm, RM5     | PANASONIC – EEUFC1H221, 220UF, 50V  |  | 2326293 |
| C17          | 220uF      | 13mm, RM5     | PANASONIC – EEUFC1H221, 220UF, 50V  |  | 2326293 |
| C18          | 220uF      | 13mm, RM5     | PANASONIC – EEUFC1H221, 220UF, 50V  |  | 2326293 |
| C19          | 220uF      | 13mm, RM5     | PANASONIC – EEUFC1H221, 220UF, 50V  |  | 2326293 |
| C20          | 1000uF/50V | 16mm, RM7.5mm | PANASONIC – EEUFC1H102, 1000UF, 50V |  | 1848454 |
| C21          | 1000uF/50V | 16mm, RM7.5mm | PANASONIC – EEUFC1H102, 1000UF, 50V |  | 1848454 |
| C22          | 220uF      | 13mm, RM5     | PANASONIC – EEUFC1H221, 220UF, 50V  |  | 2326293 |
| C23          | 220uF      | 13mm, RM5     | PANASONIC – EEUFC1H221, 220UF, 50V  |  | 2326293 |
| C24          | 220uF      | 13mm, RM5     | PANASONIC – EEUFC1H221, 220UF, 50V  |  | 2326293 |
| C25          | 220uF      | 13mm, RM5     | PANASONIC – EEUFC1H221, 220UF, 50V  |  | 2326293 |
| C26          | 220uF      | 13mm, RM5     | PANASONIC – EEUFC1H221, 220UF, 50V  |  | 2326293 |
| C27          | 1000uF/50V | 16mm, RM7.5mm | PANASONIC – EEUFC1H102, 1000UF, 50V |  | 1848454 |
| C28          | 1000uF/50V | 16mm, RM7.5mm | PANASONIC – EEUFC1H102, 1000UF, 50V |  | 1848454 |
| C29          | 220uF      | 13mm, RM5     | PANASONIC – EEUFC1H221, 220UF, 50V  |  | 2326293 |

|                                             |             |                   |                                               |                    |                  |
|---------------------------------------------|-------------|-------------------|-----------------------------------------------|--------------------|------------------|
| D5                                          | MUR820      | TO220/DO41        | DIODE, ULTRAFAST, 8A, 200V or 1N4007          | 26 S 8100          | 1625178, 2317417 |
| D6                                          | MUR820      | TO220/DO41        | DIODE, ULTRAFAST, 8A, 200V or 1N4007          | 26 S 8100          | 1625178, 2317417 |
| D7                                          | MUR820      | TO220/DO41        | DIODE, ULTRAFAST, 8A, 200V or 1N4007          | 26 S 8100          | 1625178, 2317417 |
| D8                                          | MUR820      | TO220/DO41        | DIODE, ULTRAFAST, 8A, 200V or 1N4007          | 26 S 8100          | 1625178, 2317417 |
| D9                                          | 1N4007      | DO41-10           | DIODE                                         | 26 S 8100          |                  |
| D10                                         | MUR820      | TO220/DO41        | DIODE, ULTRAFAST, 8A, 200V or 1N4007          | 26 S 8100          | 1625178, 2317417 |
| D11                                         | MUR820      | TO220/DO41        | DIODE, ULTRAFAST, 8A, 200V or 1N4007          | 26 S 8100          | 1625178, 2317417 |
| D12                                         | MUR820      | TO220/DO41        | DIODE, ULTRAFAST, 8A, 200V or 1N4007          | 26 S 8100          | 1625178, 2317417 |
| D13                                         | MUR820      | TO220/DO41        | DIODE, ULTRAFAST, 8A, 200V or 1N4007          | 26 S 8100          | 1625178, 2317417 |
| D14                                         | 1N4007      | DO41-10           | DIODE                                         | 26 S 8100          |                  |
| IC1                                         | 7924        | TO220V            | VOLTAGE REGULATOR                             | -                  | 9666290          |
| IC2                                         | 7824        | TO220V            | VOLTAGE REGULATOR                             | 50 S 1750          | 9666257          |
| J5                                          | GND TAB     | PCB_TAB           | PCB mounting tab                              | 05 F 270           | 892609           |
| 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 | 70 B 677           | 1892331          |
| KK2                                         | SK104-PAD   | SK104-PAD         | Heatsink, H 50.8 mm, 9.0 K/W, SK 104 50.8 STS | 70 B 677           | 1892331          |
| KK3                                         | SK104-PAD   | SK104-PAD         | Heatsink, H 50.8 mm, 9.0 K/W, SK 104 50.8 STS | 70 B 677           | 1892331          |
| KK4                                         | SK104-PAD   | SK104-PAD         | Heatsink, H 50.8 mm, 9.0 K/W, SK 104 50.8 STS | 70 B 677           | 1892331          |
| Q19                                         | IRF610      | TO220BV           | Power MOSFET N-Channel                        | 24 S 3256          | 8648328          |
| Q20                                         | IRF9620     | TO220BV           | Power MOSFET P-Channel                        | -                  | 9103570          |
| R27                                         | 100R/2W     | R_0617/22         |                                               | 32 E 708           | 1462388          |
| R51                                         | 470R/2W     | R_0617/22         |                                               | 18 E 704           | 1462390          |
| R52                                         | 27R/2W      | R_0617/22         |                                               | 32 E 694           | 1462382          |
| R53                                         | 10K         | 0207/10           |                                               |                    | 2329990          |
| R54                                         | 330R        | 0207/10           |                                               |                    | 1634037          |
| R55                                         | 100R/2W     | R_0617/22         |                                               | 32 E 708           | 1462388          |
| R56                                         | 470R/2W     | R_0617/22         |                                               | 18 E 704           | 1462390          |
| R57                                         | 27R/2W      | R_0617/22         |                                               | 32 E 694           | 1462382          |
| R58                                         | 10K         | 0207/10           |                                               |                    | 2329990          |
| R59                                         | 330R        | 0207/10           |                                               |                    | 1634037          |
| <b>Separate power supply PCB components</b> |             |                   |                                               |                    |                  |
| C14                                         | 220uF/axial | 22x9mm or 30x10mm |                                               | 11 D 305, 11 D 395 | 8823642, 8823790 |
| C15                                         | 220uF/axial | 22x9mm or 30x10mm |                                               | 11 D 305, 11 D 395 | 8823642, 8823790 |
| C18                                         | 220uF/axial | 22x9mm or 30x10mm |                                               | 11 D 305, 11 D 395 | 8823642, 8823790 |
| C25                                         | 220uF/axial | 22x9mm or 30x10mm |                                               | 11 D 305, 11 D 395 | 8823642, 8823790 |
| D1                                          | MUR820      | TO220/DO41        | DIODE, ULTRAFAST, 8A, 200V or 1N4007          | 26 S 8100          | 1625178, 2317417 |

|      |        |            |                                                                               |                                    |                                                   |
|------|--------|------------|-------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------|
| D2   | MUR820 | TO220/DO41 | DIODE, ULTRAFAST, 8A, 200V or 1N4007                                          | 26 S 8100                          | 1625178, 2317417                                  |
| F1   |        | SH22,5A    | FUSE HOLDER grid 22,5mm, isolated cap OGN0031 8201, Schurter                  |                                    | 1162740                                           |
|      |        |            | SCHURTER - 0853.0551 - COVER, FOR OGN FUSEHOLDERS                             |                                    | 1176774                                           |
| J1   |        | 22-23-2051 | MOLEX - 22-29-2051 - HEADER, VERTICAL, SQ PIN, 0.1", 5WAY                     |                                    | 1360133                                           |
| J2   |        | 22-23-2051 | MOLEX - 22-29-2051 - HEADER, VERTICAL, SQ PIN, 0.1", 5WAY                     |                                    | 1360133                                           |
| NTC1 | 10R    | NTC_R      |                                                                               | 80 E 6583,<br>80 E 6621            | 1704469                                           |
| TR1  |        | PCB_TRAFO2 | PCB Transformer 2x115V, 2x18V, 10-30VA (Block FL type or Spitznagel SPF type) | 34 C 634, 34<br>C 644, 34 C<br>654 | 1131491, 1131498,<br>1131505, 1131518,<br>1131524 |

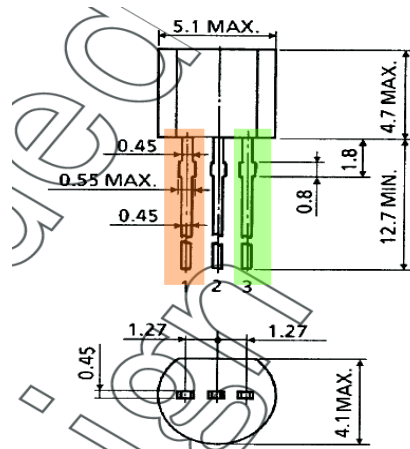
### Single channel additional components

|    |       |            |                                                           |  |         |
|----|-------|------------|-----------------------------------------------------------|--|---------|
| J1 | IN    | 22-23-2021 | MOLEX - 22-29-2031 - HEADER, THT, VERTICAL, 2.54MM, 2WAY  |  | 1360130 |
| J2 | OUT   | 22-23-2021 | MOLEX - 22-29-2031 - HEADER, THT, VERTICAL, 2.54MM, 2WAY  |  | 1360130 |
| 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

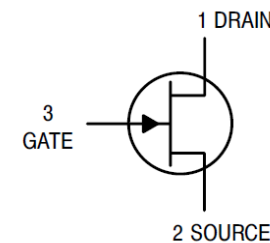
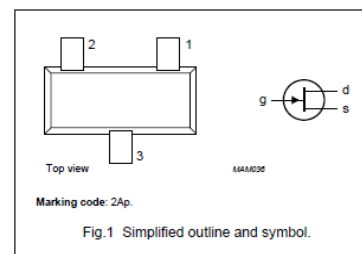


2SK246/2SJ103 pinout

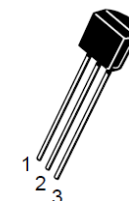
- 1. SOURCE
- 2. GATE
- 3. DRAIN

PINNING SOT23

| PIN | DESCRIPTION |
|-----|-------------|
| 1   | source      |
| 2   | drain       |
| 3   | gate        |



J310 pinout



TO-92  
CASE 29-11  
STYLE 5