



MP73 Parts list (1)

All the components in this list are included in the kit
Tous les composants de cette liste sont inclus dans le kit

| Reference | Value | Qty | Description | Marking | Dim (2) | Manuf. |
|------------------------------|-----------|-----|---------------------------------|--|---------|--------|
| R12 | 12R | 1 | Resistor 1%, 1/4W | BRN-RED-BLK-GLD-BRN | | |
| R33, R34 | 47R | 2 | Resistor 1%, 1/4W | YEL-VIO-BLK-BRN or YEL-VIO-BLK-GLD-BRN | | |
| R10 | 75R | 1 | Resistor 1%, 1/4W | VIO-GRN-BLK-GLD-BRN | | |
| R48 | 100R | 1 | Resistor 1%, 1/4W | BRN-BLK-BRN-BRN or BRN-BLK-BLK-BLK-BRN | | |
| R3, R4, R29, R37 | 150R | 4 | Resistor 1%, 1/4W | BRN-GRN-BRN-BRN or BRN-GRN-BLK-BLK-BRN | | |
| R8, R11 | 270R | 2 | Resistor 1%, 1/4W | RED-VIO-BRN-BRN or RED-VIO-BLK-BLK-BRN | | |
| R47, R57 | 390R | 2 | Resistor 1%, 1/4W | ORG-WHT-BLK-BLK-BRN | | |
| R43, R53 | 470R | 2 | Resistor 1%, 1/4W | YEL-VIO-BRN-BRN or YEL-VIO-BLK-BLK-BRN | | |
| R15 | 820R | 1 | Resistor 1%, 1/4W | GRY-RED-BLK-BLK-BRN | | |
| R31, R62 | 1K2 | 2 | Resistor 1%, 1/4W | BRN-RED-BLK-BRN-BRN | | |
| R13, R14, R44, R54 | 1K5 | 4 | Resistor 1%, 1/4W | BRN-GRN-RED-BRN or BRN-GRN-BLK-BRN-BRN | | |
| R38, R46, R56, R59 | 2K2 | 4 | Resistor 1%, 1/4W | RED-RED-RED-BRN or RED-RED-BLK-BRN-BRN | | |
| R63 | 3K3 | 1 | Resistor 1%, 1/4W | ORG-ORG-RED-BRN or ORG-ORG-BLK-BRN-BRN | | |
| R42, R52 | 5K1 | 2 | Resistor 1%, 1/4W | GRN-BRN-RED-BRN or GRN-BRN-BLK-BRN-BRN | | |
| R58 | 5K6 | 1 | Resistor 1%, 1/4W | GRN-BLU-RED-BRN or GRN-BLU-BLK-BRN-BRN | | |
| R1, R2 | 6K8 | 2 | Resistor 1%, 1/4W matched to 1‰ | BLU-GRY-RED-BRN or BLU-GRY-BLK-BRN-BRN | | |
| R45, R55 | 10K | 2 | Resistor 1%, 1/4W | BRN-BLK-ORG-BRN or BRN-BLK-BLK-RED-BRN | | |
| R5, R6 | 12K | 2 | Resistor 1%, 1/4W | BRN-RED-BLK-RED-BRN | | |
| R27, R32 | 15K | 2 | Resistor 1%, 1/4W | BRN-GRN-BLK-RED-BRN | | |
| R9, R64 | 18K | 2 | Resistor 1%, 1/4W | BRN-GRY-BLK-RED-BRN | | |
| R7 | 22K | 1 | Resistor 1%, 1/4W | RED-RED-ORG-BRN or RED-RED-BLK-RED-BRN | | |
| R40, R50 | 33K | 2 | Resistor 1%, 1/4W | ORG-ORG-BLK-RED-BRN | | |
| R26, R28, R41, R51 | 47K | 4 | Resistor 1%, 1/4W | YEL-VIO-BLK-RED-BRN | | |
| R35, R60 | 56K | 2 | Resistor 1%, 1/4W | GRN-BLU-ORG-BRN or GRN-BLU-BLK-RED-BRN | | |
| R39, R49, R61 | 68K | 3 | Resistor 1%, 1/4W | BLU-GRY-BLK-RED-BRN | | |
| R17, R20, R23, R25, R30 | 100K | 5 | Resistor 1%, 1/4W | BRN-BLK-YEL-BRN or BRN-BLK-BLK-ORG-BRN | | |
| R16, R18, R19, R21, R22, R24 | 220K | 6 | Resistor 1%, 1/4W | RED-RED-YEL-BRN or RED-RED-BLK-ORG-BRN | | |
| R65 | 47R | 1 | Resistor 1%, 1W | YEL-VIO-BLK-GLD (BRN RED) | | |
| R36 | 1K1 | 1 | Resistor 5%, 1/2W | BRN-BRN-RED-GLD | | |
| C4, C18, C28 | 100p-100V | 3 | Capacitor Film | 100 | R5 | Wima |
| C38 | 220p-100V | 1 | Capacitor Film | 220 | R5 | Wima |
| C41 | 330p-100V | 1 | Capacitor Film | 330 | R5 | Wima |
| C20, C30 | 680p-100V | 2 | Capacitor Film | 680 | R5 | Wima |
| C24, C34 | 1n-100V | 2 | Capacitor Film | 1000 | R5 | Wima |
| C19, C29 | 1n5-100V | 2 | Capacitor Film | 1500 | R5 | Wima |
| C39 | 4n7-100V | 1 | Capacitor Film | 4700 | R5 | Wima |
| C9 | 10n-100V | 1 | Capacitor Film | 0.01 | R5 | Wima |
| C2, C13, C16 | 100n-100V | 3 | Capacitor Ceramic | 104 | R5 | |

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|-------------------------------------|-----------|---|---|------------------------|----------|----------|
| C17, C27, C37 | 10u-25V | 3 | Capacitor Tantale | 10 | R2.5 | |
| C23, C25, C33, C35 | 22u-16V | 4 | Capacitor Tantale | 22 | R2.5 | |
| C10 | 1u-50V | 1 | Capacitor Electro Low ESR, 105° | | D5R2 | Nichicon |
| C11, C12, C15, C21, C31, C43 | 33u-35V | 6 | Capacitor Electro Low ESR, 105° | | D5R2 | Nichicon |
| C8, C40, C42 | 120u-25V | 3 | Capacitor Electro Low ESR, 105° | | D6.3R2.5 | Nichicon |
| C1, C3 | 180u-63V | 2 | Capacitor Electro Low ESR, 105° | | D10R5 | Nichicon |
| C22, C32 | 330u-25V | 2 | Capacitor Electro Low ESR, 105° | | D8R3.5 | Nichicon |
| C5, C6 | 470u-35V | 2 | Capacitor Electro Low ESR, 105° | | D10R5 | Nichicon |
| C26, C36 | 1200u-16V | 2 | Capacitor Electro Low ESR, 105° | | D10R5 | Nichicon |
| C7, C14 | 2200u-35V | 2 | Capacitor Electro Low ESR, 105° | | D16R7.5 | Nichicon |
| D1, D2, D3, D4, D5, D6, D7, D9, D12 | 1N914 | 9 | Signal diode | 914 or 4148 | | |
| D10 | 1N4004 | 1 | Rectifier diode | 1N4004 | | |
| D11 | Z18V-0.5W | 1 | Zener diode | C18PH | | |
| D8 | Red/Green | 1 | 2 colors LED, 2 pins | | D3 | |
| Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9 | BC184C | 8 | NPN small signal transistor | CBC184C | | |
| Q10 | 2N6488 | 1 | NPN power transistor | 2N6488 | | |
| Q1 | TIP126 | 1 | PNP power darlington | TIP126 | | |
| U1, U2 | TL074CN | 2 | Quad Op-Amp | TL074CN | | |
| U3 | LM317 | 1 | Positive voltage regulator | LM317T or TS317 | | |
| T1 | VTB9045 | 1 | Mic input transformer 1:2 | | | Carnhill |
| T2 | VTB1847 | 1 | Line output transformer 1:1.5, gapped | | | Carnhill |
| SW3 | SPDT | 1 | Min toggle switch on/on | | | |
| SW1 | SPDT | 1 | Min toggle switch on/on, short lever, red cap | | | |
| SW2 | DPDT | 1 | Min toggle switch on/off/on | | | |
| Output | NC3MDL | 1 | XLR socket 3pins male | | | Neutrik |
| Input | NC3FDL | 1 | XLR socket 3pins fem. | | | Neutrik |
| CN1, CN2 | 2 term | 2 | PCB terminal blocks | | R5 | |
| CN3 | 26pins | 1 | IDC box header | | | |
| JMP1 | 1x4 pins | 1 | SIL pin header | | R2.54 | |
| V468 assembly | 2x2 pins | 1 | DIL pin header 90° | | R2.54 | |
| Jumper | | 1 | Jumper | | R2.54 | |
| TP1, TP2, TP3, TP4 | | 4 | Test pin | | D1 | |
| P1 | 2x10KB | 1 | Potentiometer | 10KB | L16 | Omeg |
| P2 | 2x10KB | 1 | Potentiometer | 10KB | L18 | Omeg |
| P7 | 1K | 1 | Trimmer pot | 102 or 1K | | |
| P6 | 5K | 1 | Trimmer pot | 502 or 5K | | |
| P3, P4, P5 | 20K | 3 | Trimmer pot | 203 or 20K | | |
| RLY1, RLY2, RLY3 | | 3 | Relay DPDT 12V | | | |
| U3, Q1 heatsink | 21 K/W | 2 | Heatsink TO220 | | | |
| Q10 heatsink | 13 K/W | 1 | Heatsink TO220 | | | |
| Main PCB | | 1 | PCB | | 92x200 | |
| Input transfo. Assembly | SK468 | 1 | PCB | | 30x37 | |
| Input level knob | | 1 | Knob | | D23 | |
| Input level knob | | 1 | Cap | | D23 | |

| | | | | | | |
|----------------------------|-------|----|----------------------------------|--|---------|--|
| Output level knob | | 1 | Knob | | D16 | |
| Output level knob | | 1 | Cap | | D16 | |
| Front pannel | | 1 | MP73 front pannel | | | |
| Front pannel assembly | M3x6 | 2 | Stainless st. screw countersunk | | | |
| XLR Assembly | M3x10 | 4 | Screw pan head | | | |
| Transfo. Assembly | M3x30 | 4 | Screw pan head | | | |
| Transfo. assembly | M3 | 4 | Metal washer | | | |
| PCB, Transfo, XLR assembly | M3 | 12 | Self locking nut | | | |
| XLR connect | | 2 | Flexible wire 0.5mm2, Blue | | 8cm | |
| XLR connect | | 2 | Flexible wire 0.5mm2, Red | | 8cm | |
| XLR GND connect | | 2 | Tinned copper wire D0.9mm (20wg) | | 3cm | |
| Transfo. assembly | | 1 | Cable tie | | 200x3.6 | |

(1) Data can be changed without notice

(2) Rx : spacing between leads or pins=x, Dx : diameter=x, Lx : Pot spindle length=x, Dimensions in mm unless differently stated

(1) Les donnée peuvent être modifiées sans préavis

(2) Rx : distance entre les pattes=x, Dx : diamètre=x, Lx : longueur axe du potentiomètre=x, Dimensions en mm sauf mention contraire

Schematic Rev 1.2

PCB Rev 1.2

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