



MP573 Parts list (1)

All the components in this list are included in the kit

Reference	Value	Qty	Description	Marking	Dim (2)	Manuf.
R52	10R	1	Resistor 1%, 1W	BRN-BLK-BLK-GLD-BRN		
R19	12R	1	Resistor 1%, 1/4W	BRN-RED-BLK-GLD-BRN		
R55	22R	1	Resistor 1%, 1/4W	RED-RED-BLK-GLD-BRN		
R16	47R	1	Resistor 1%, 1/4W	YEL-VIO-BLK-GLD-BRN		
R40	47R	1	Resistor 1%, 1W	YEL-VIO-BLK-GLD BRN		
R1, R14, R15, R18	270R	4	Resistor 1%, 1/4W	RED-VIO-BLK-BLK-BRN		
R31	390R	1	Resistor 1%, 1/4W	ORG-WHT-BLK-BLK-BRN		
R27	470R	1	Resistor 1%, 1/4W	YEL-VIO-BLK-BLK BRN		
R22	820R	1	Resistor 5%, 1W	GRY-RED-BLK-BLK-BRN		
R5, R53	1K	2	Resistor 1%, 1/4W	BRN-BLK-BLK-BRN-BRN		
R9, R36, R50	1K2	3	Resistor 1%, 1/4W	BRN-RED-BLK-BRN-BRN		
R10, R17, R21, R28, R39	1K5	5	Resistor 1%, 1/4W	BRN-GRN-BLK-BRN-BRN		
R32	1K8	1	Resistor 1%, 1/4W	BRN-GRY-BLK-BRN-BRN		
R6, R30, R33	2K2	3	Resistor 1%, 1/4W	RED-RED-BLK-BRN-BRN		
R47	2K7	1	Resistor 1%, 1/4W	RED-VIO-BLK-BRN-BRN		
R4, R8, R37	3K9	3	Resistor 1%, 1/4W	ORG-WHT-BLK-BRN-BRN		
R7, R11	4K7	2	Resistor 1%, 1/4W	YEL-VIO-BLK-BRN-BRN		
R26	5K1	1	Resistor 1%, 1/4W	GRN-BRN-BLK-BRN-BRN		
R2, R3	6K8	2	Resistor 1%, 1/4W	BLU-GRY-BLK-BRN-VIO		
R12, R20, R29, R46, R49	10K	5	Resistor 1%, 1/4W	BRN-BLK-BLK-RED-BRN		
R44	12K	1	Resistor 1%, 1/4W	BRN-RED-BLK-RED-BRN		
R51	15K	1	Resistor 1%, 1/4W	BRN-GRN-BLK-RED-BRN		
R38	18K	1	Resistor 1%, 1/4W	BRN-GRY-BLK-RED-BRN		
R43	20K	1	Resistor 1%, 1/4W	RED-BLK-ORG-BRN or RED-BLK-BLK-RED-BRN		
R41	22K	1	Resistor 1%, 1/4W	RED-RED-BLK-RED-BRN		
R13	27K	1	Resistor 1%, 1/4W	RED-VIO-BLK-RED-BRN		
R24	33K	1	Resistor 1%, 1/4W	ORG-ORG-BLK-RED-BRN		
R25, R42	47K	2	Resistor 1%, 1/4W	YEL-VIO-BLK-RED-BRN		
R34, R54	56K	2	Resistor 1%, 1/4W	GRN-BLU-BLK-RED-BRN		
R23, R35	68K	2	Resistor 1%, 1/4W	BLU-GRY-BLK-RED-BRN		
R45	100K	1	Resistor 1%, 1/4W	BRN-BLK-BLK-ORG-BRN		
R48	1M	1	Resistor 1%, 1/4W	BRN-BLK-BLK-YEL-BRN		
PTC1		1	Thermistor PTC		R5	
C8	100p-100V	1	Capacitor Film	100	R5	Wima
C2, C18	220p-100V	2	Capacitor Film	220	R2.5	Wima
C21	330p-100V	1	Capacitor Ceramic	331	R2.5	
C10	680p-100V	1	Capacitor Film	680	R5	Wima
C14	1n-100V	1	Capacitor Film	1000	R5	Wima

C9	1n5-100V	1	Capacitor Film	1500	R5	Wima
C19	4n7-100V	1	Capacitor Film	4700	R5	Wima
C6	10n-100V	1	Capacitor Film	0.01	R5	Wima
C25, C28	100n-100V	2	Capacitor Ceramic	104	R5	
C7, C17	10u-25V	2	Capacitor Tantale	106	R2.5	
C13, C15	22u-16V	2	Capacitor Tantale	226	R2.5	
C26	1u-100V	1	Capacitor Electro Low ESR, 105°		D5R2	Nichicon
C11, C23, C24, C27	33u-35V	4	Capacitor Electro Low ESR, 105°		D5R2	Nichicon
C20	100u-25V	1	Capacitor Electro Low ESR, 105°		D6.3R2.5	Nichicon
C1	100u-63V	1	Capacitor Electro Low ESR, 105°		D10R5	Nichicon
C12	330u-6V3	1	Capacitor Electro Low ESR, 105°		D6.3R2.5	Nichicon
C3, C5, C22	330u-25V	3	Capacitor Electro Low ESR, 105°		D6.3R2.5	Nichicon
C4, C16, C29, C30, C31	1000u-25V	5	Capacitor Electro Low ESR, 105°		D10R5	Nichicon
D1, D2, D3, D4, D5, D6	1N914	6	Signal diode	914 or 4148		
D7	Red/Green	1	2 colors LED, 2 pins		D3	
D8, D9	1N4004	2	Rectifier diode	1N4004		
Q1, Q2, Q3, Q4, Q5	BC550C	5	NPN small signal transistor	550C		
Q6	2N6488	1	NPN power transistor	2N6488		
U1	TL074CN	1	Quad Op-Amp	TL074CN		
U2	7909	1	Negative voltage regulator			
T1	VTB9045	1	Mic input transformer 1:2			Carnhill
T2	VTB1847	1	Line output transformer 1:1.5, gapped			Carnhill
SW1	SPDT	1	Min toggle switch on/on, short lever, red cap			
SW2	4 x 6 pos	1	Grayhill rotary switch 4 x 6			
SW3	DPDT	1	Min toggle switch on/off/on			
CN1		1	SIL 2.54 connector 3 pins male			
CN2		1	SIL 2.54 connector 8 pins male			
		1	SIL 2.54 wire connector 8 pins female			
CN3		1	SIL 2.54 Socket 6 pins			
JMP1		1	SIL 2.54 header 4 pins			
		2	SIL 2.54 header 13 pins 90°			
Jumper		2	Jumper		R2.54	
TP1, TP2, TP3, TP4		4	Test pin		D1	
P1	1KA+4K7A	1	Dual potentiometer 1KA+4K7A		D6	Omeg
P2	5K	1	Trimmer pot	502 or 5K		
RLY1		1	Relay DPDT 24V			
Q6 heatsink	13 K/W	1	Heatsink TO220			
U2 heatsink	21 K/W	1	Heatsink TO220			
Main PCB		1	PCB			
Input transfo. Assembly	SK5468	2	PCB		34.4x28.6	
Input transfo. Assembly	M3	2	Nylon washer			
Trim knob		1	Knob		D12-6	
Gain knob		1	Knob		D25-6.35	
		1	MP573 front pannel			

		1	Side plate			
Front pannel assembly	M3x6	2	Black screw countersunk			
PCB assembly	M3x6	4	Screw pan head			
Transfo. Assembly	M3x35	4	Screw countersunk			
Transfo. Assembly	M3	4	Metal washer			
PCB assembly	M3	8	Shake-proof washer			
Transfo. Assembly	M3	4	Nut			
Transfo. Assembly	M3	4	Self locking nut			
Frontplate Assembly	M10	1	Shim washer 1mm thick			
Rack mounting	#4-40 3/8"	2	Black machine Philips head screw			
DI01						
R9	220R	1	Resistor 1%, 1/4W	RED-RED-BLK-BLK-BRN		
R11	470R	1	Resistor 1%, 1/4W	YEL-VIO-BLK-BLK BRN		
R8	1K8	1	Resistor 1%, 1/4W	BRN-GRY-BLK-BRN-BRN		
R4	4K7	1	Resistor 1%, 1/4W	YEL-VIO-BLK-BRN-BRN		
R10	47K	1	Resistor 1%, 1/4W	YEL-VIO-BLK-RED-BRN		
R5, R6	100K	2	Resistor 1%, 1/4W	BRN-BLK-BLK-ORG-BRN		
R2	330K	1	Resistor 1%, 1/4W	ORG-ORG-BLK-ORG-BRN		
R1	1M	1	Resistor 1%, 1/4W	BRN-BLK-BLK-YEL-BRN		
R3, R7	2M2	2	Resistor 5%, 1/4W	RED-RED-BLK-YEL-BRN		
C1	470n-100V	1	Capacitor Film	u47	R7.5	Epcos
C2	33u-35V	1	Capacitor Electro Low ESR, 105°		D5R2	Nichicon
C3, C4	330u-25V	2	Capacitor Electro Low ESR, 105°		D8R3.5	Nichicon
D1, D2, D3	1N914	3	Signal diode	914 or 4148		
Q1	2N7000	1	N channel FET transistor	2N7000		
Q2	2SK170	1	N channel FET transistor	K170		
CN1	NYS2192	1	Stereo jack socket			
CN2		1	SIL pin header 2.54, 6 pins, length 18mm			
DI01PCB		1	PCB		75.5x20	

(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

Schematic Rev 1.4

PCB Rev 1.4

Last modified : 24/06/2015