

BOM for MJL21193's Patchwork amplifier

One channel only except where minimum quantities indicated

Digi-Key part numbers shown

Originally produced by MJL21193**Revised by 454Casull**

Index	Quantity	Part Number	Description	Customer Reference
	2	MPSA18-ND	TRANSISTOR AMP NPN GP TO-92	Q1, Q2
	2	2SC26310RACT-ND	TRANS NPN 150VCEO 50MA TO-92	Q3, Q4, replaces 2SC2240
	2	2SA11230RACT-ND	TRANS PNP 150VCEO 50MA TO-92	Q5, Q6, replaces 2SA970
	1	2SA1381FSTU	TRANSISTOR PNP 300V 100MA TO-126	Q8
	1	HS104-1-ND	HEATSINK TO-220 PWR CLR .700"6W	Q8 HEAT SINK
	1	BD13916STU-ND	TRANSISTOR NPN 1.5A 80V TO126	Q9
	1	2SC4793(F,M)	TRANS NPN 230V 1A 2-10R1A	Q10
	1	2SA1837(F,M)	TRANS PNP -230V -1A 2-10R1A	Q11
	2	2SC5200OTU	TRANSISTOR NPN 230V 15A TO-264	Q12, Q14
	2	2SA1943OTU	TRANSISTOR PNP 230V 15A TO-264	Q13, Q15
	2	1N4148FS-ND	DIODE SGL JUNC 100V 4.0NS DO-35	D4, D5
	4	493-1674-ND	CAP 220UF 100V ELECT HE RADIAL	C1, C3, C13, C15
	2	399-4328-ND	CAP .1UF 100V 10% CER RADIAL	C4, C16
	1	399-4199-ND	CAP 100PF 200V 5% CER RADIAL	C5
	1	P14210-ND	CAP 2.2UF 450V METAL POLYPRO	C6
	1	495-1167-ND	CAP 1.0UF 100V METAL POLY	C7
	2	P14206-ND	CAP 1UF 450V METAL POLYPRO	C8, C9
	1	399-4221-ND	CAP 220PF 100V 5% CER RADIAL	C10
	2	493-1668-ND	CAP 100UF 100V ELECT HE RADIAL	C11, C12
	1	495-1147-ND	CAP .10UF 100V METAL POLY	CZ
	2	P10W-2BK-ND	RES 10 OHM 2W 5% METAL OXIDE	R1, R34
	3	CMF10.0HFCT-ND	RES 10.0 OHM 1% 50PPM 1/2W	R9, R25, R29
	5	CMF100HFCT-ND	RES 100 OHM 1% 50PPM 1/2W	R2, R3, R15, R23, R24
	2	CMF22.1KHFCT-ND	RES 22.1K OHM 1% 50PPM 1/2W	R4, R6
	1	CMF22.1HFCT-ND	RES 22.1 OHM 1% 50PPM 1/2W	R5
	1	CMF3.57KHFCT-ND	RES 3.57K OHM 1% 50PPM 1/2W	R8
	1	CMF499KHFCT-ND	RES 499K OHM 1% 50PPM 1/2W	R12
	3	CMF1.00KHFCT-ND	RES 1.00K OHM 1% 50PPM 1/2W	R13, R21, R26
	1	3296W-1-102LF	POT 1.0K OHM 3/8" SQ CERM SL MT	R14
	4	CWC-.30RCT-ND	RES .3 OHM 5% 3.75W SILICONE WW	R16, R17, R18, R19

2	CMF24.3KHFCT-ND	RES 24.3K OHM 1% 50PPM 1/2W	R20, R22
1	CMF10.0KHFCT-ND	RES 10.0K OHM 1% 50PPM 1/2W	R27
1	CMF4.75KHFCT-ND	RES 4.75K OHM 1% 50PPM 1/2W	R30
1	CMF3.32KHFCT-ND	RES 3.32K OHM 1% 50PPM 1/2W	R31
1	4.7W-2-ND	RES 4.7 OHM 2W 5% METAL OXIDE	RZ
1	A97958-ND	TERM BLOCK .2 IN 2 POS PCB	SIG_IN
10	1287-STK-ND	TERM QF .052"DIA .250" STURDY MT	P_NEG, P_POS, SPKR, GND

4 needed per channel, 10 piece minimum purchase, 0.52" does not refer to tab thickness