

part [TGM-1.8F]	Descr.	Value	Rating	Digikey part [http://dkc1.digikey.com]	Notes
C1 (input)	Capacitor - polypropylene	470n	±2%	BC2083-ND	
C2	Capacitor - bi-polar	22u	16V	P1164-ND	(use protection diodes if polarized cap.)
C3, C3X	Capacitor	100u	50V	493-3195-ND	
C4 (bootstrap)	Capacitor	220u	50V	493-3196-ND	
C5 (lag)	Capacitor - silva mica	68p	500V	338-1091-ND	
C6 (comp)	Capacitor - silva mica	22p	300V	338-1080-ND	
C7 (VBE bypass)	Capacitor	22u	50V	493-1603-ND	
C8 (output)	Capacitor - polypropylene	100n	±2%	BC2054-ND	
C9 (suckout)	Capacitor - polypropylene	150n	±2%	BC2058-ND	
C10, C12	Capacitor	100u		493-1605-ND	benefits from using 220u
C11, C13	Capacitor - polypropylene	150n	±2%	BC2058-ND	
R1 (input)	Resistor	47k	1/4W	RS125-ND	no 'boutique' resistors used (so far)
R2 (gnd lift)	Resistor	10R	1/4W	RS125-ND	
R3 (LTP bias)	Resistor	39k	1/4W	RS125-ND	
R4	Resistor	3.3K	1/4W	RS125-ND	
R5	Resistor	2.2k	1W	2.2KW-1-ND	
R6	Resistor	3.3k	1W	3.3KW-1-ND	
R8	Resistor	2.7K	1/4W	RS125-ND	
R9	Resistor	39k	1/4W	RS125-ND	<- sets gain =R9/(R8+R9)
R10	Resistor	100R	1/4W	RS125-ND	
R10X	Resistor	100R	1/4W	RS125-ND	
R11	Resistor	1.5K	1/4W	RS125-ND	
R13	Resistor	100R	1/4W	RS125-ND	
R14	Resistor	100R	1/4W	RS125-ND	
R15	Resistor	220R	1/4W	RS125-ND	
R16	Resistor	10R	1/4W	RS125-ND	
R17	Resistor	10R	1/4W	RS125-ND	
R18	Resistor	0R47	5W	0.47W-5-ND	
R20	Resistor	0R48	5W	0.47W-5-ND	<- mount underneath
R19	Resistor	10R	1W	10W-1-ND	<- mount underneath
R21, R22 (spkr prot.)	Resistor	100R	1W	100W-1-ND	
R7, R12, R21 - R31	Not Used in this version	n/a	n/a	n/a	
P1 (bias)	Cermet 25 turn pot.	1k	1/2W	3296W-102LF-ND	(initial setting: approx half-way)
F1, F2	Rail protection fuses		2.5A	F648-ND	
H1, H2	CLIP FUSE 2AG/5MM			F058-ND	
T1	2N5401 PNP BJT			2N5401RLRAGOSCT-ND	
T2	2N5401 PNP BJT			2N5401RLRAGOSCT-ND	
T3 (VAS)	BD139 NPN BJT		1.5A 80V	BD13916STU-ND	
T4 (VBE)	BD139 NPN BJT		1.5A 80V	BD13916STU-ND	
T5 (driver)	2SC4793 NPN BJT			2SC4793FM-ND	<- mount on heatsink
T6 (driver)	2SA1837 PNP BJT			2SA1837FM-ND	<- mount on heatsink
T7 (output)	2SC5200 NPN BJT	TO-220	100W	FJP5200OTU-ND	<- mount on heatsink. Note: uses less expensive TO-220 style.
T8 (output)	2SA1943 PNP BJT	TO-220	100W	FJP1943OTU-ND	<- mount on heatsink. Note: uses less expensive TO-220 style.
D1	IN4148	100V	200MA	1N4148TACT-ND	
D2,3 (R2 protection)	1N4007		1A	1N4007-TPMSCT-ND	
L1	hand wound coil [26 turns of 0.6mm enamelled copper wire is wound around 1 10R 1W resistor]			10W-1-ND	Not Used
T3 heatsink	HEATSINK TO-220 SNAP-DOWN .75"		3W @ 50°C	HS220-ND	
Board	PCB COPPER CLAD			PC7-T-ND	Home made pcb !!!
CON1	CONN HEADER .156 VERT 6POS TIN	250V AC	7.5A	A30515-ND	