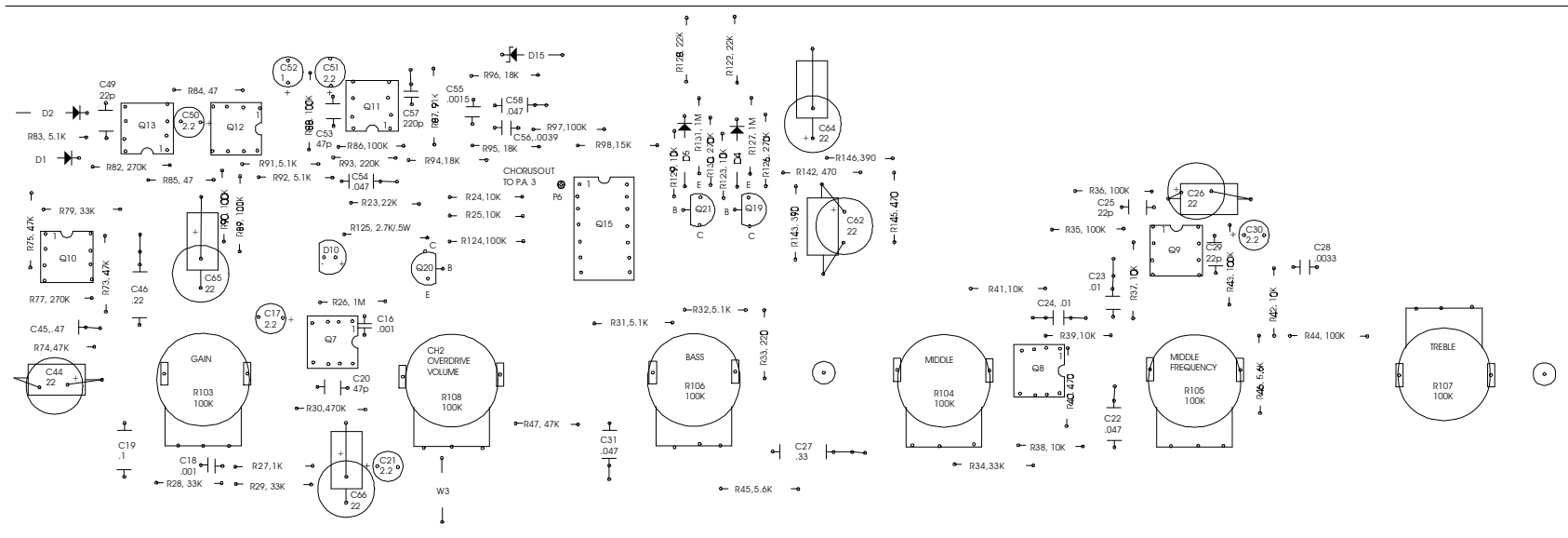


Left



Right

1. ALL RESISTORS IN CHMS. ALL RESISTORS 0.25W UNLESS MARKED OTHERWISE.
2. ALL CAPACITORS IN MICROFARADS UNLESS OTHER PREFIX MARKED, THEN REPLACE PREFIX (MICRO) IN UNIT (MICROFARAD) WITH MARKED PREFIX. ALL CAPACITORS 25V (MINIMUM VOLTAGE RATINGS) UNLESS MARKED OTHERWISE.
3. ALL VOLTAGES IN VOLTS.
4. ALL POTENTIOMETERS R99 TO R112: 100Ω.
5. DICES, D1 TO D8: 1N4150, 1N4149, CR 1N914.
6. D9 AND D10 ARE LEDs.
7. ZENER DIODE D15: 1N5244B/14X.
8. TRANSISTORS Q1, Q3, Q16: 2N5088 (NPN TYPE).
9. TRANSISTORS Q2, Q18, Q20, Q23: MPSA56 (PNP TYPE).

10. TRANSISTORS Q17, Q19, Q21, Q22: 2N5086 (PNP TYPE).
11. IC'S G4 TO Q11: LM1458N.
12. IC Q12: MN3007.
13. IC Q13: MN3101.
14. IC'S Q14, Q15: CD4066.
15. COMPONENTS SHOWN ON SCHEMATIC THAT ARE ON FOOTSWITCH ASSEMBLY (I.E. NOT ON THIS BOARD): R136 TO R140, D7, D8, D11 TO D14, Q23, S3 TO S8, P8.
17. COMPONENTS SHOWN ON SCHEMATIC THAT ARE NOT ON FOOTSWITCH ASSEMBLY AND ARE NOT REFERENCED ON THIS BOARD: J7, J8, P11, P12.
18. LAST REFERENCED DESIGNATION ON PCB BOARD: R146, C66, S23, D15, S6, J10, P7, W8.



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COMPONENT LAYOUT, PREAMP RG90, RG180

SCALE	x1	CHECKED BY	R. DESIDERIO	DRAWN BY	J. HALL
DATE	2/22/89				
SIZE	B			DRAWING NO	
				19329	