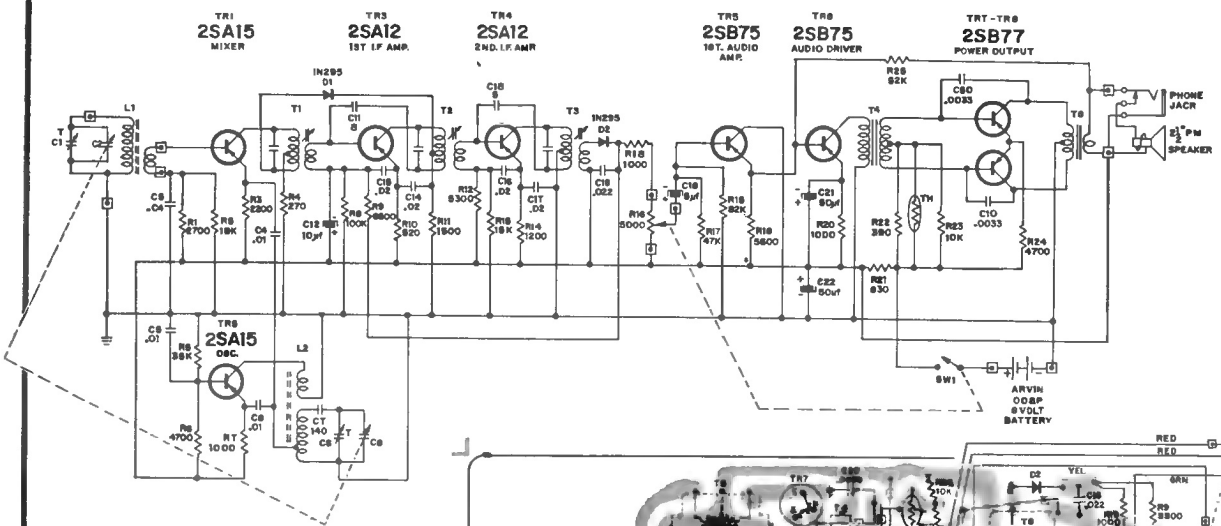
Arvin

CODE 1. 84701
MODEL 64R29



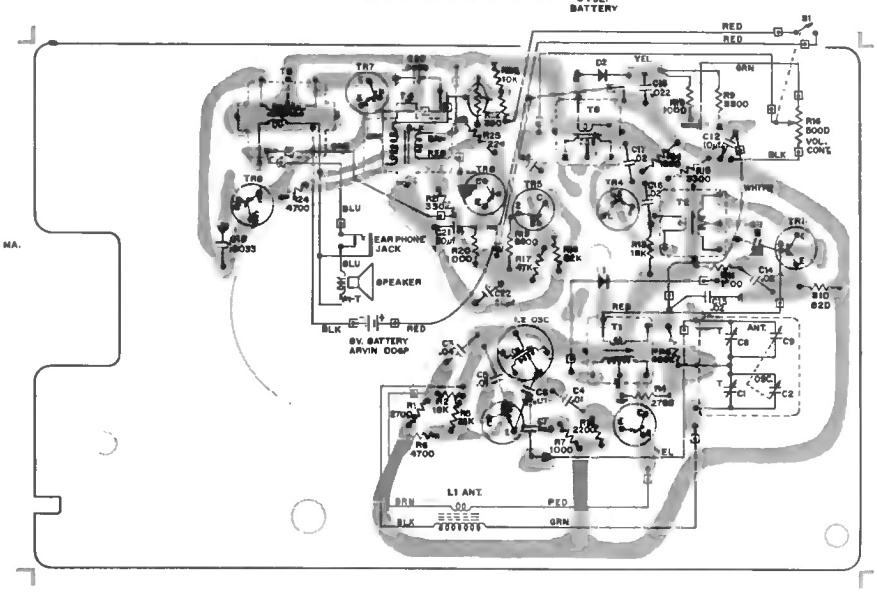
EXTERNAL CONNECTOR TO PRINTED CIRCUIT BOARD

RESISTANCE VALUES ARE IN OHMS. K=1000

CAPACITANCE VALUES LESS THAN 1.0 ARE IN MICROFARADS (μf) AND VALUES GREATER THAN 1.0 ARE IN MICRO-MICROFARADS (μμf) EXCEPT WHERE NOTED.

VOLTAGE READINGS TO COMMON GROUND (+) ARE MEASURED WITH VACUUM TUBE VOLTMETER UNDER NO SIGNAL CONDITIONS.

TOTAL BATTERY CURRENT DRAIN UNDER NO SIGNAL CONDITIONS IS 8 TO 12 MA.



Circuit Board Top View

Alignment Procedure

1.	A new 9V. Battery or equivalent power supply must be used. The no signal voltage must not be less than 8 volts.
2.	Turn volume control to maximum. Connect output of a signal generator (modulated with 400c/s±30%) to a loop antenna (4 inch in diameter, lopped 2 or 3 rounds). Connect the loop antenna to the ferrite-core antenna. Connect the ground terminal of the signal generator to the receiver chassis.
3.	Connect a vacuum-tube voltmeter (with an AC 3V or less scale) to the earphone jack (positive side connected to negative side with an 0 resistor).
4.	Make adjustments per the following table to gain maximum readings on voltmeter. During alignment, adjust output level of signal generator so that voltmeter reading will not exceed 0.5V at maximum.

Step	Generator Frequency	Position of Variable	Adjust -- for max. output
1 2 3	455 Kc	Quiet point at high freq. end	3rd I.F. Trans. T3 2nd I.F. Trans. T2 1st I.F. Trans. T1
4	Repeat steps 1, 2 and 3		
5	520 Kc	Quiet point at low freq. end	osc. coil L2
6	1,650 Kc	Quiet point at high freq. end	osc. trimmer C8
7	Repeat steps 5 and 6		
8	600 Kc	600 Kc signal	ant. L1 position
9	1,400 Kc	1,400 Kc signal	ant. trimmer C1
10	Repeat steps 8 and 9		