

Schematic

HAM scan 40 - FM

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SCHEMATIC DIAGRAM

Identification	Function	No.
Receiver Section		
Q1	21MHz RF Amp	KTC1822
Q2	10.695MHz Conv.	KTC1822
Q3	455kHz Conv.	KTC1822
Q4, Q5	455kHz Amp.	KTC1815
Audio Section		
Q10	MIC Amp.	KTC1815
Q11	ALC	KTC1815
Q14, Q14	ALC Driver	KTA1015
Q15	Source	KTC1815
Q21	Audio Power Amp.	KTA1015
PLL Section		
Q16	VCO Amp.	KTC1822
Q17	VCO	KTC1822
Q18	Frequency Divider	KTC1822
Q24	TX SW	KTC1815
LED Display Section		
Q1, Q4, Q9	LED Driver	KTA1015
Q2	LED Driver	L81403N
TX Section		
Q19	RF Amp.	KTC1815
Q20	RF Driver	2SC2314
Q21	RF Power	2SC2018
Power Section		
Q15	Regulator	KTC1815
Q22	R/TX Switch	KTC1815
Q23	Regulator	KTC1815
Q201, Q202	DEV SWITCH	KTA1015
Q203	FM DETECTOR	KTA1015

NOTE:
A VOLTAGE TRANSMIT CONDITION
ALL VOLTAGES MEASURED FROM P.C. BOARD GND WITH
D.C. VOLTAGE AT NO SIGNAL (AT 13.8V POWER SUPPLY)
IF MEASUREMENT VALUES OBTAINED ARE IN EXCESS OF
12% OF VALUES SHOWN THEN REASON FOR
DIFFERENCE SHOULD BE CORRECTED

SEMICONDUCTOR TERMINAL CONNECTION

