

Schematic HAM scan 40 - FM



SCHEMATIC DIAGRAM

| Identification | Function | No. |
|---------------------------|-------------------|---------|
| Receiver Section | | |
| Q1 | 71MHz RF Amp | KTC1923 |
| Q2 | 10.69MHz Conv. | KTC1923 |
| Q4, Q5 | 455KHz Amp. | KTC1815 |
| Audio Section | | |
| Q10 | MIC Amp. | KTC1815 |
| Q11 | ALC | KTC1814 |
| Q14, Q14 | ALC Driver | KTA1015 |
| Q18 | Speaker | KTC1815 |
| IC3 | Audio Power Amp. | KA1712 |
| VFO Section | | |
| Q16 | VCO | KTC1923 |
| Q17 | VCO | KTC1922 |
| Q18 | Frequency Divider | KTC1922 |
| Q21 | TX IN | KTC1815 |
| LED Driver Section | | |
| Q12, Q8 | LED Driver Driver | KTA1015 |
| Q3 | LED Driver Driver | LE1402M |
| TS Section | | |
| Q19 | RF Amp. | KTC280 |
| Q20 | RF Driver | 25C2314 |
| Q21 | RF Power | 25C2018 |
| Power Section | | |
| Q15 | Regulator | KTC1815 |
| Q22 | R/TX Switch | KTA1015 |
| Q23 | Regulator | KTC1815 |
| Q201, Q202 | DEV SWITCH | KR1815 |
| IC201 | PA DETECTOR | KA1712 |

NOTE:
A VOLT/AT TRANSMIT CONDITION
ALL VOLTAGES MEASURED FROM P.C. BOARD GND WITH
D.C. VOLTAGE AT NO SIGNAL, IAT F3 BY POWER SUPPLY
IF MEASUREMENT VALUES OBTAINED ARE IN EXCESS OF
±2% OF VALUES SHOWN THEN READJUST FOR
DIFFERENCE SHOULD BE CORRECTED

SEMICONDUCTOR TERMINAL CONNECTION

