Service Manual

Radio Cassette

RQ-V52

Stereo Radio Cassette Player

Color

(K)····· Black Type

Area

Country Code	Areas	Color
[E]	Continental Europe.	(K)
[EG]	F.R. Germany / Italy.	

■ SPECIFICATIONS

General:

Power Requirement:	Battery; 3V (Two "AA" size, R6/LR6 batteries)
	AC; with optional Panasonic AC adaptor RP-AC33
Power Output:	40mW (20mWx2)···RMS (max.)
Input:	DC IN; 3V (⊖-●-⊕)
Output:	Headphones; 24Ω, φ3.5
Dimensions:	87.8(W)x121(H)x33.2(D)mm
Weight:	225g without batteries

Radio Section:

Radio Frequency Range:	FM 87.5~108MHz
	AM 520~1610kHz
Intermediate Frequency:	FM 10.7MHz
	AM 459kHz
Sensitivity:	FM 2.5μV/0.5mW output (−3dB Limit, Sens)
	AM; 120μV/m/0.5mW output

Tape Deck Section:

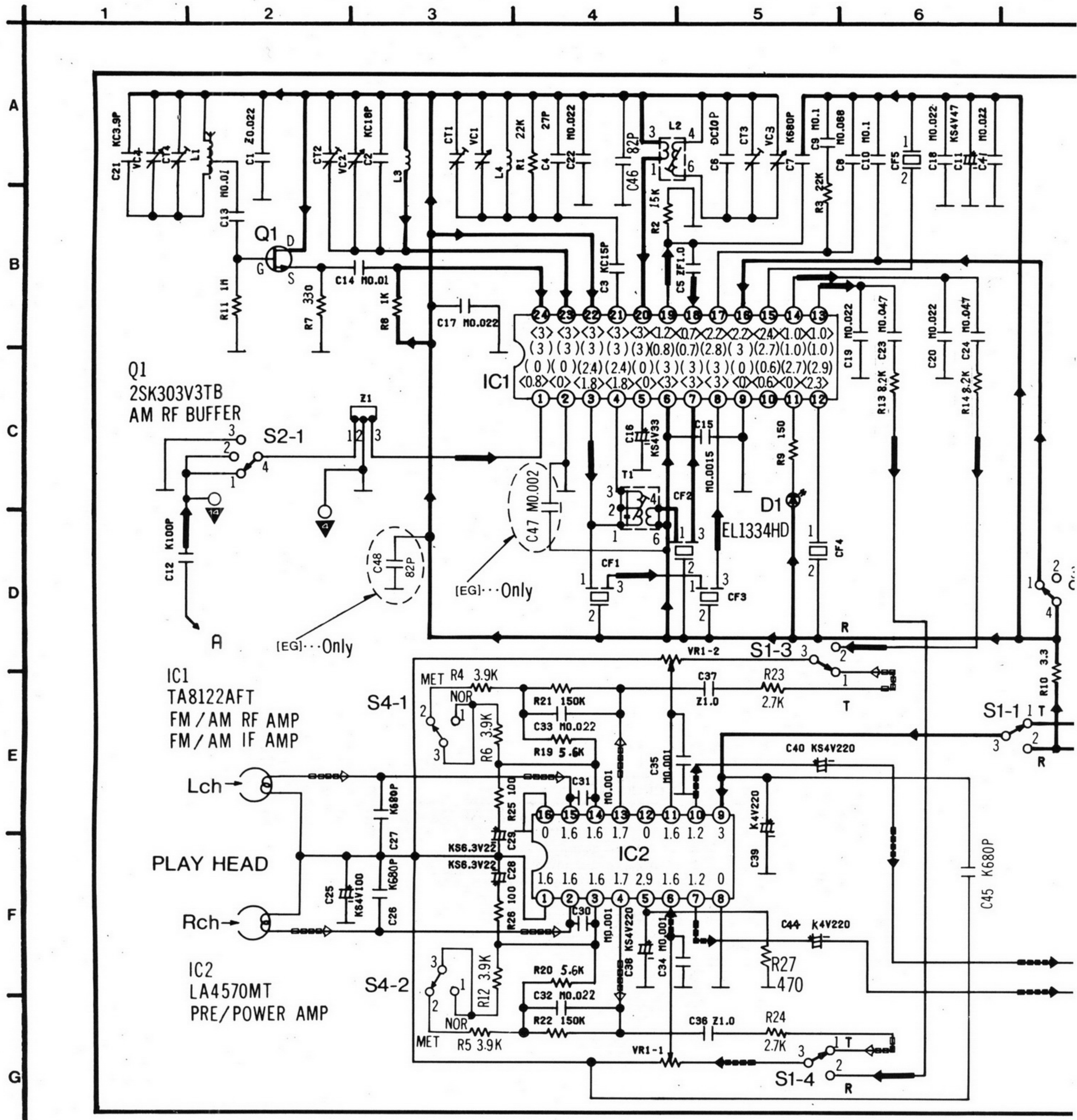
Frequency Response:	Normal·····50~14,000Hz
Tape Speed:	4.8cm/s
Program Time:	1 hour with C-60 cassette tape
Track System:	4-track, 2-channel, stereo playback

Notes:

1. Weights and dimensions shown are approximate.
2. Design and specifications are subject to change without notice.

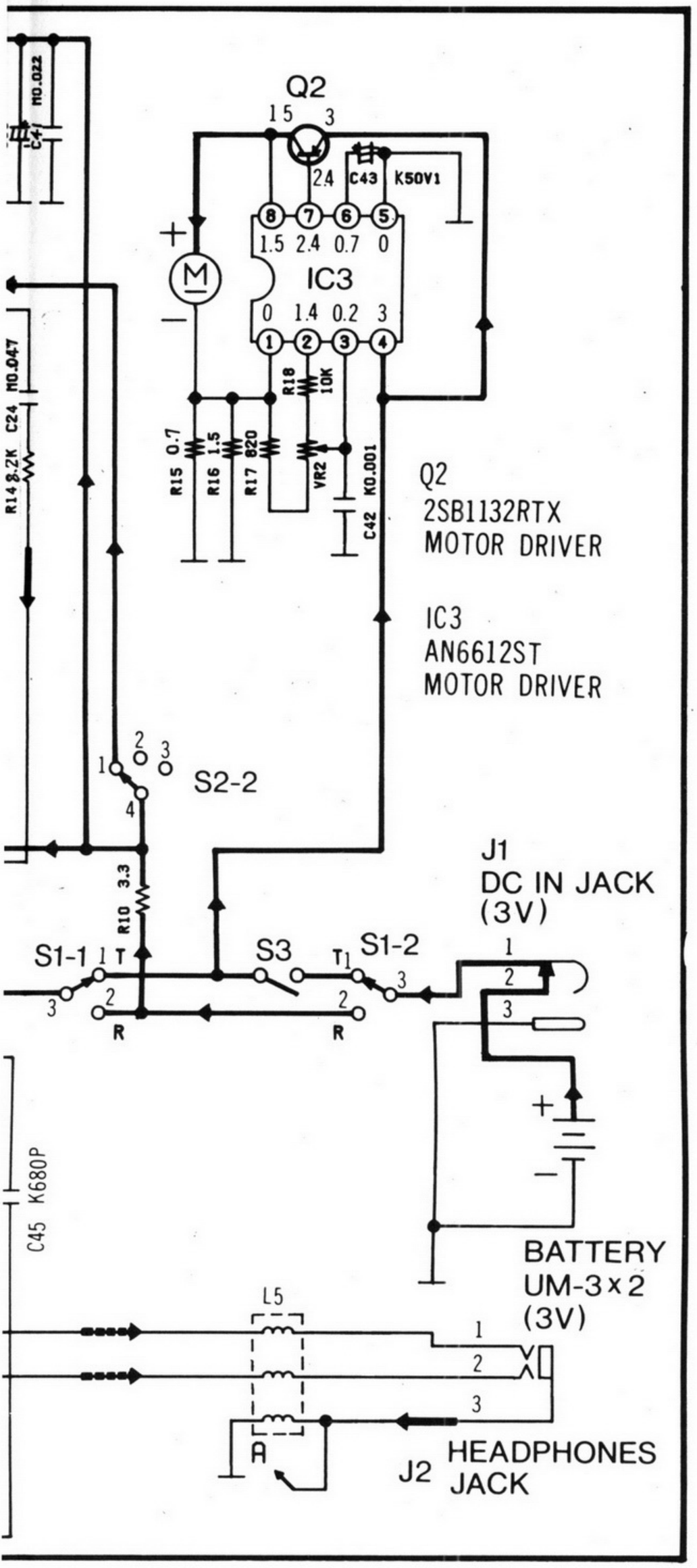
Panasonic

■SCHEMATIC DIAGRAM

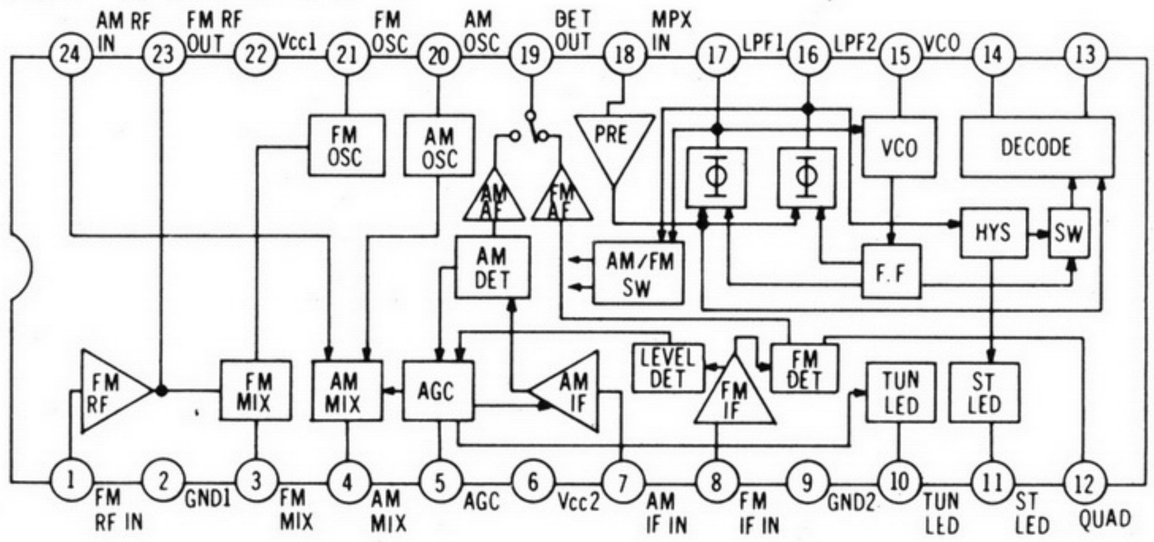


Notes:

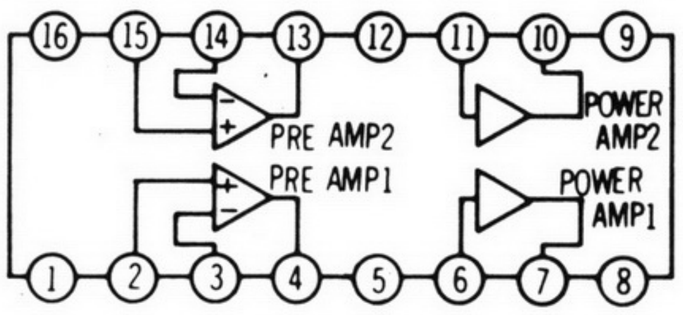
1. S1-1～S1-4: Function switch in "Tape" position. (1·····TAPE, 2····RADIO)
2. S2-1～S2-2: Band select switch in "AM" position. (1···AM, 2···FM, 3···FM ST.)
3. S3: Motor switch in "OFF" position.
4. S4-1, S4-2: Tape Selector Switch in "METAL" position. (1....Normal, 2....Metal)
5. VR1-1～1-2: Volume control VR.
6. VR2: Tape speed adjustment VR.
7. DC voltage measurement are taken with electronics voltmeter from negative terminal of battery.
   < >···FM position, ( )···AM position.
   No mark·····Playback position,
8. ▬▶ +B Voltage Line.
   ▭▭▷ Playback Signal.
   ▬▶ FM Signal.
   ▬▬▶ Playback and Radio Signal.



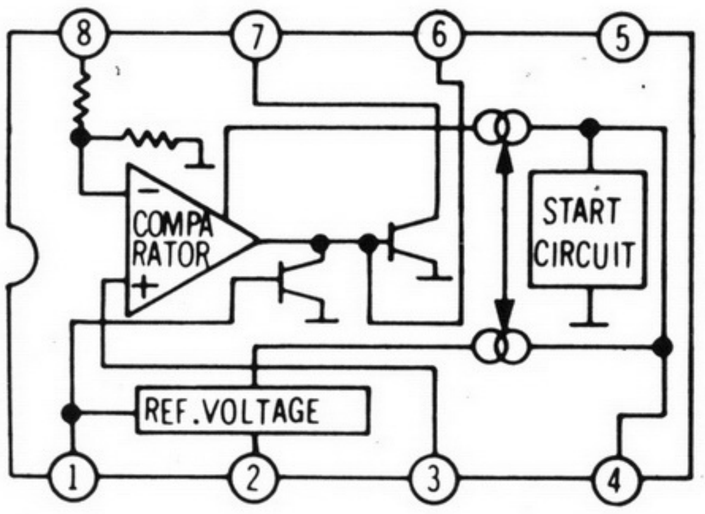
IC1 TA8122AFT

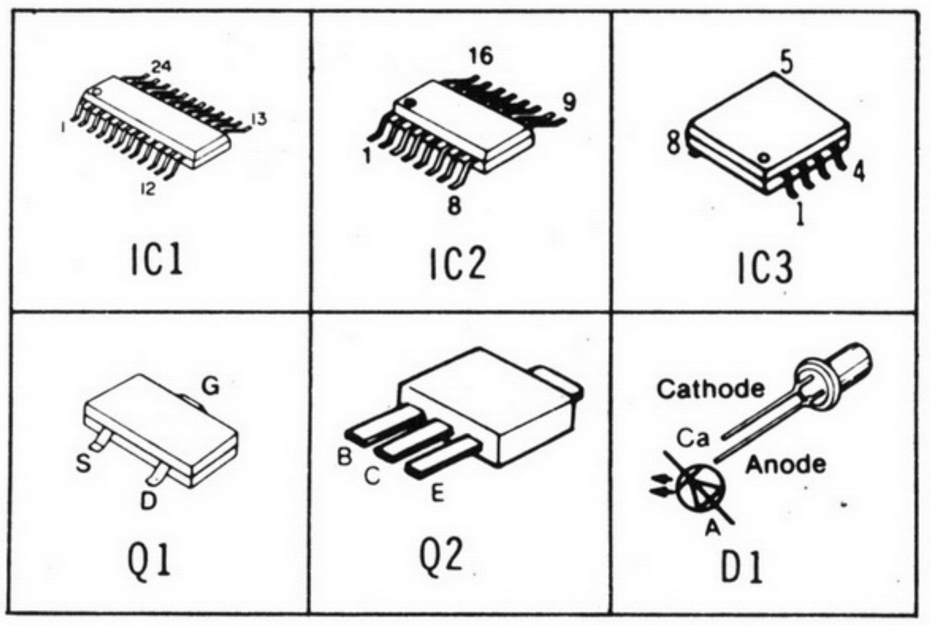


IC2 LA4570MT



IC3 AN6612ST





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9. Battery current: Volume minimum output (Radio)·····23mA
   Volume Maximum output (Radio)····· 43mA
   Volume minimum output (Tape)·····115mA
   Volume Maximum output (Tape)·····135mA
   Radio, 74dB 30% Modulation
   Tape, 315 Hz 0dB tape playback
10. The mark (▼) shows test point e.g. ▼1=test point 1.