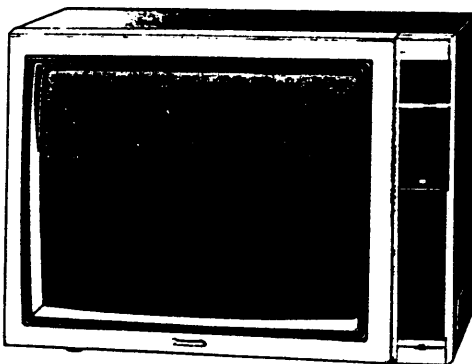


Service Manual

Colour Television



TC-2475UR TX-2471UR

Chassis No. ∞ -1W

Specification (information in brackets refers to TX-2471UR only)

Power Source: 220 volts, 50 Hz, AC
Power Consumption: 120 Watt maximum
Aerial Impedance: 75 Ω unbalanced coaxial type
Receiving Channels: VHF CH2-CH12 S1-3, M1-10, U1-9
UHF CH21-CH69

Intermediate Video 38.9 MHz
Frequency: Sound 33.4 MHz
Colour 34.47 MHz

Semiconductors: 38 (49) Transistors
69 (79) Diodes
1 negative thermistor
1 positive thermistor
15 (20) IC's

Picture Tube: A59EAK00X01
63 cm measured diagonally
110 deflection Picture Tube

Anode Voltage: 25kV
Speaker: 1 $\times$ Woofer 1 $\times$ Midrange
Sound Output: 10 Watts maximum

Audio Video input Terminals: Euro Connector 21 pin
Audio Terminals: Headphone Jack
Automatic Circuits: Automatic Search
Automatic Gain Control
Automatic Colour Control
Automatic Frequency and Phase control
Automatic Brightness Limiter
Automatic Degaussing
Horizontal AFC
Chopper Type AVR
Noise Canceller

Dimensions: Height: 49.5 cm
Width: 68.5 cm
Depth: 45.0 cm

Net Weight: 31.8 (31.9) kg

Specifications are subject to change without notice.
Weight and dimensions shown are approximate.

Technische Daten (Werte in Klammern gelten nur für TX-2471UR)

Netzspannung: 220V Wechselspannung, 50 Hz
Leistungsaufnahme: 120W bei mittlerer

Bildhelligkeit
Antennenanschluß: DIN-Buchse, coaxial, 75 ohm
impedanz unsymmetrisch
Empfangskanäle: VHF CH2-CH12, S1-3, M1-10, U1-9
Zwischenfrequenz: Bildträger, 38,9 MHz
Tonträger, 33,4 MHz
Farbhilfsträger, 34,47 MHz

Halbleiter: 38(49) Transistoren
69(79) Dioden
1 Thermistor, NTC
1 Thermistor, PTC
15(20) IC's

Bildröhre: A59EAK00X01
63 cm Schirmdiagonale
110 Ablenkung
25kV

Hochspannung: 25kV
Lautsprecher: 1 $\times$ Tiefton 1 $\times$ MT

Tonausgangsleistung: 10W (Maximalleistung)
Video-Anschlüsse: Euro-AV-Anschluß
Ausgänge (Ton): Kopfhörerbuchse, Klinke
6.3mm $\varnothing$

Automatik-schaltungen: Automatischer Suchlauf
Automatische Verstärkungsregelung
Automatische Farbverstellung (kungs regelung)
Automatische Frequenz-und Phasennachstimmung
Automatische Strahlstrombegrenzung
Automatische Bildröhren-Entmagnetisierung
Automatischer Zeilenfang
Automatische Bildhöhenregelung
Rauschunterdrückung (ohne Bildträger)

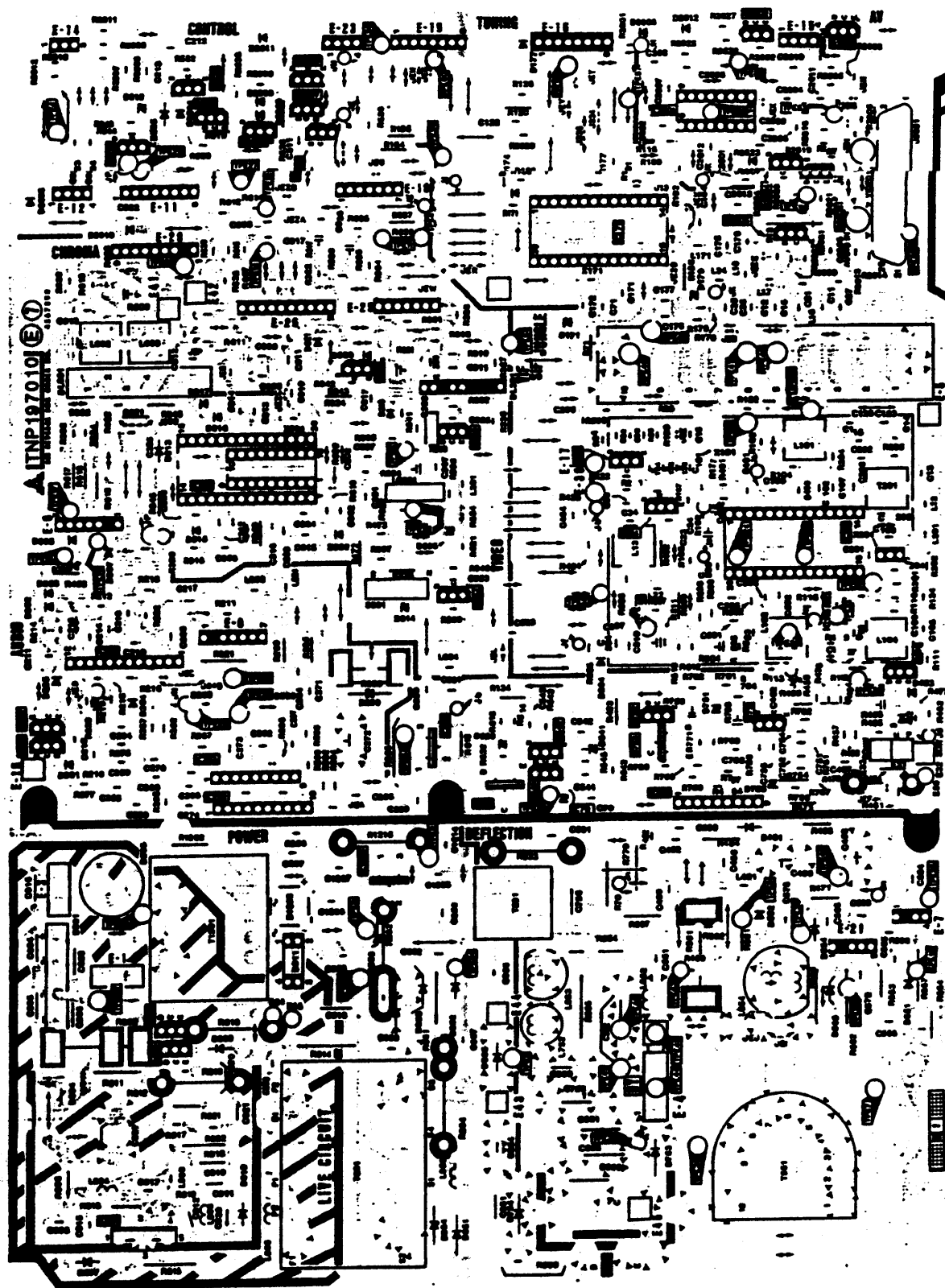
Abmessungen: 49.5 $\times$ 68.5 $\times$ 45.0 HxBxT cm
Gewicht: 31.8 (31.9) kg

Änderungen der technischen Daten vorbehalten.
Gewichte und Abmessungen sind Näherungsangaben.

Panasonic

**ANSICHT DER LEITERBAHNEN
PLATINEE TNP197010**

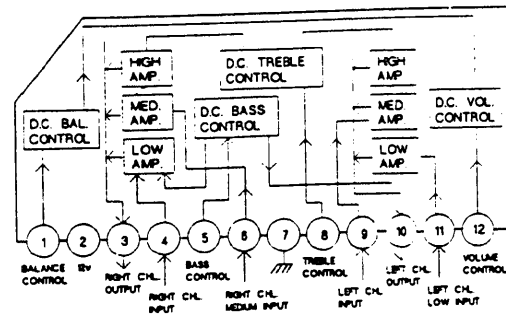
**CONDUCTOR VIEWS
E-BOARD TNP197010**



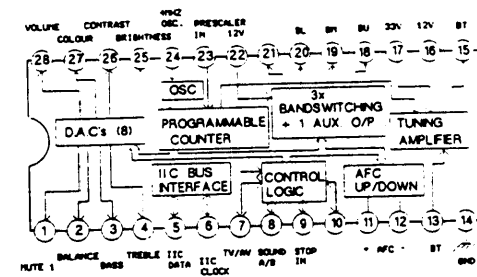
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IC BLOCK DIAGRAM

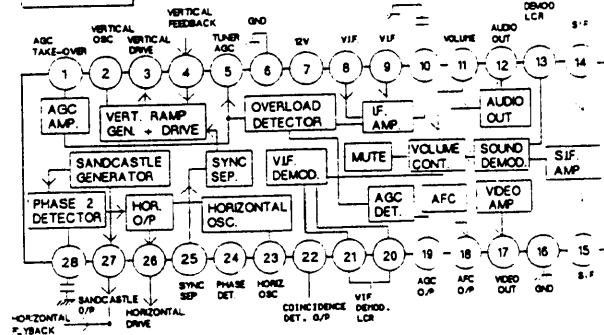
AN 5836 IC201



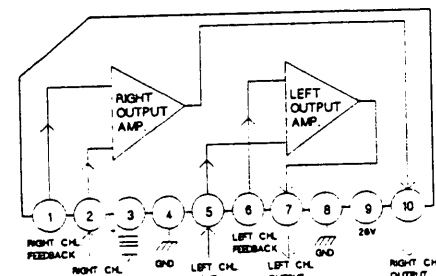
SAB3035 IC171



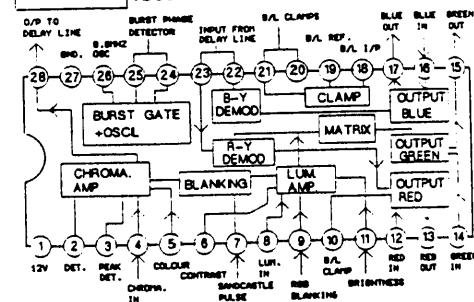
TDA4505 IC101



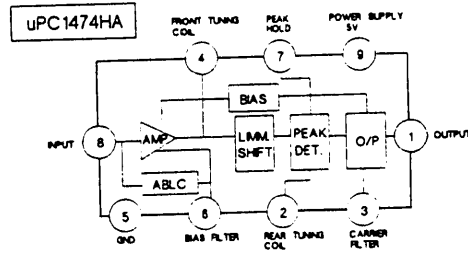
LA4270 IC252



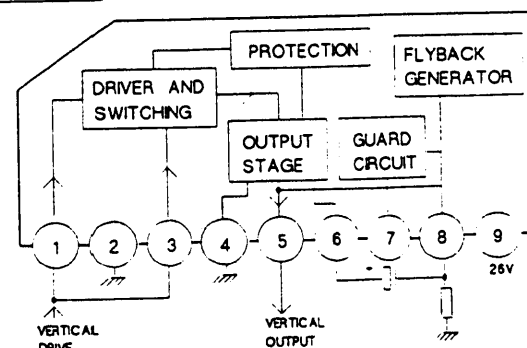
TDA3562A IC601



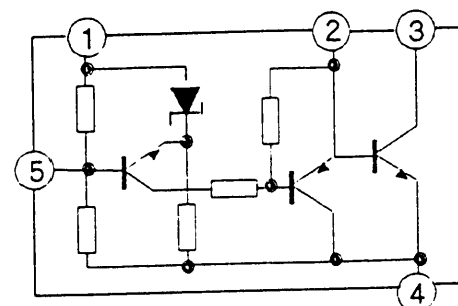
IC1101



TDA3653/4 IC451



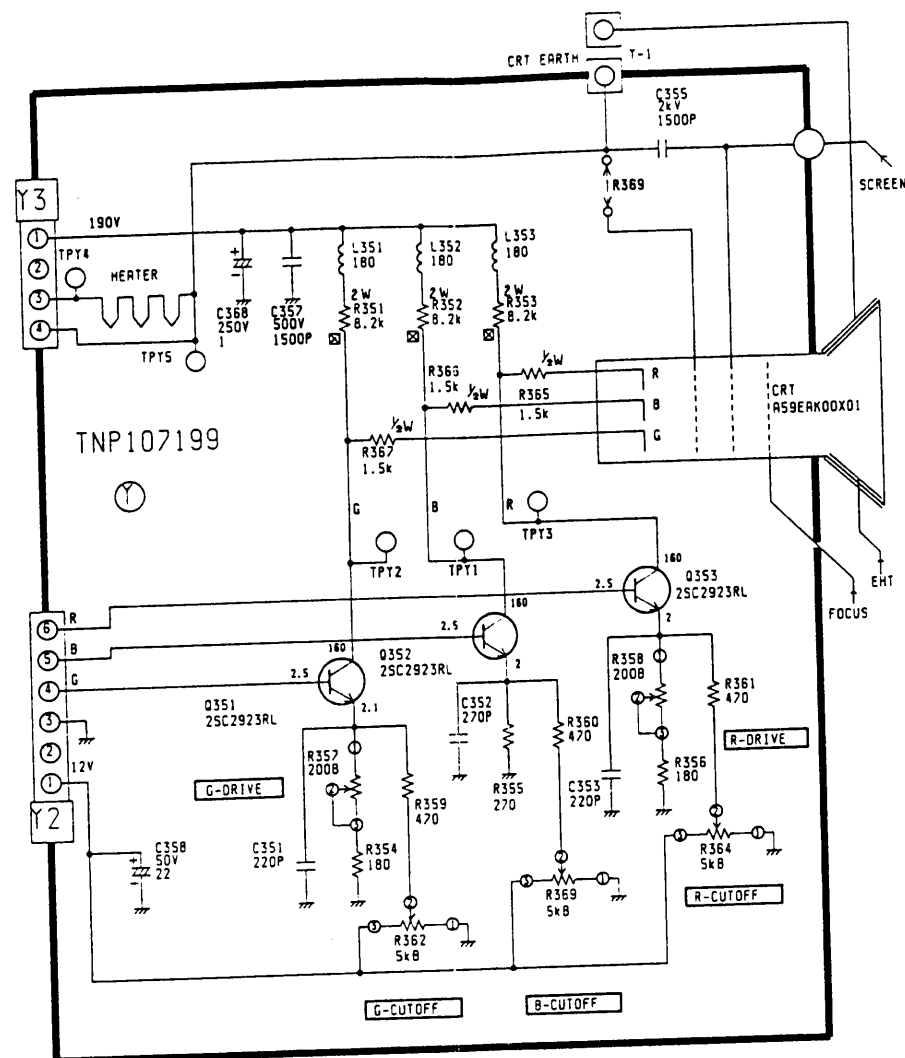
STR54041M IC801



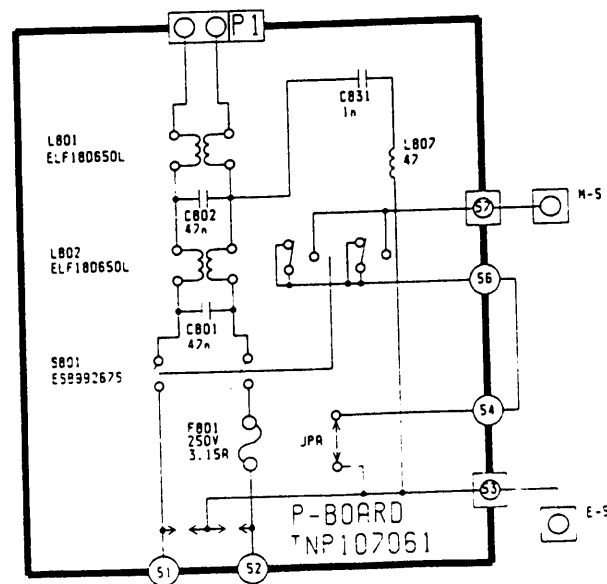
WAVEFORM PATTERN TABLE
SIGNALTABELLE

① PIN 5 1C451 36Vp-p (5ms)	② BASE Q551 8Vp-p (20μs)	③ COLLECTOR Q551 320Vp-p (20μs)
④ PIN 1 T551 55Vp-p (20μs)	⑤ PIN 8 T551 14Vp-p (20μs)	⑥ PIN 7 1C601 5.5Vp-p (20μs)
⑦ PIN 8 1C601 25mVp-p (20μs)	⑧ PIN 16 1C601 1Vp-p (20μs)	⑨ PIN 14 1C601 24mVp-p (5ms)
⑩ PIN 13 1C601 16mVp-p (5ms)	⑪ TPE17 2.8Vp-p (20μs)	⑫ TPE16 1.7Vp-p (20μs)
⑬ TPE15 4.0Vp-p (20μs)	⑭ TPY3 34Vp-p (20μs)	⑮ TPY1 36Vp-p (20μs)
⑯ TPY2 30Vp-p (20μs)		

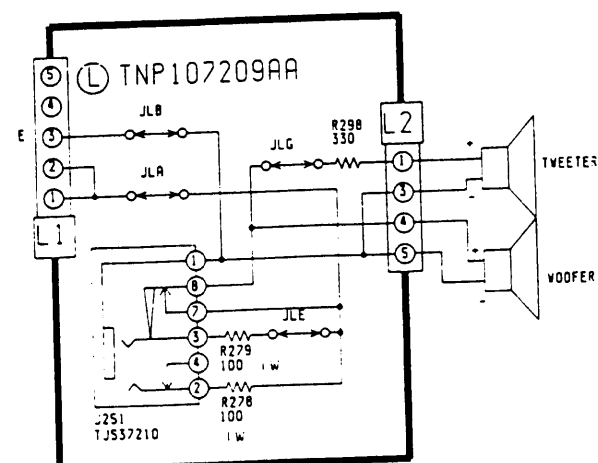
Y SCHEMATIC



P SCHEMATIC



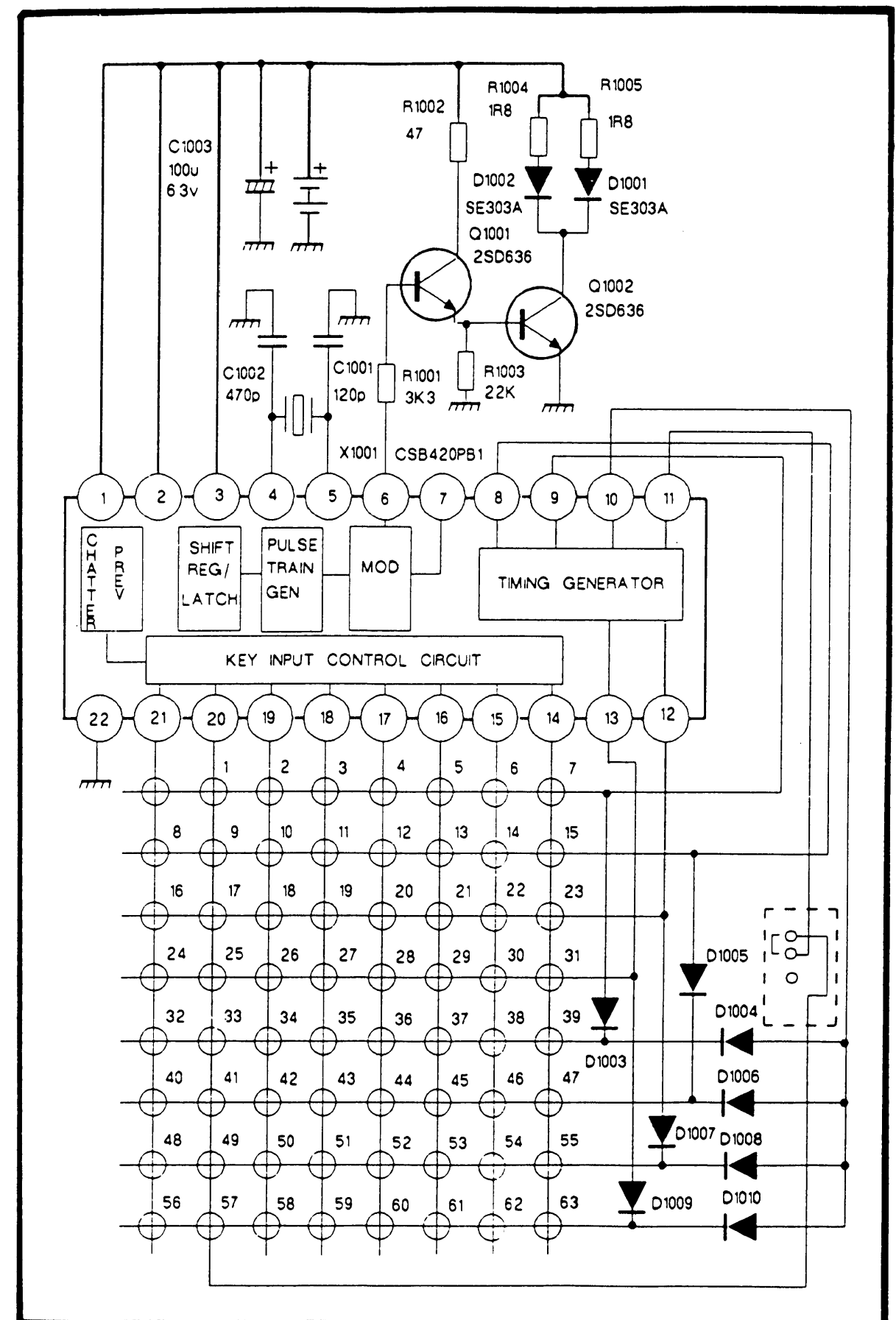
L SCHEMATIC



**REMOTE CONTROL TRANSMITTER
TNQ8E0401**

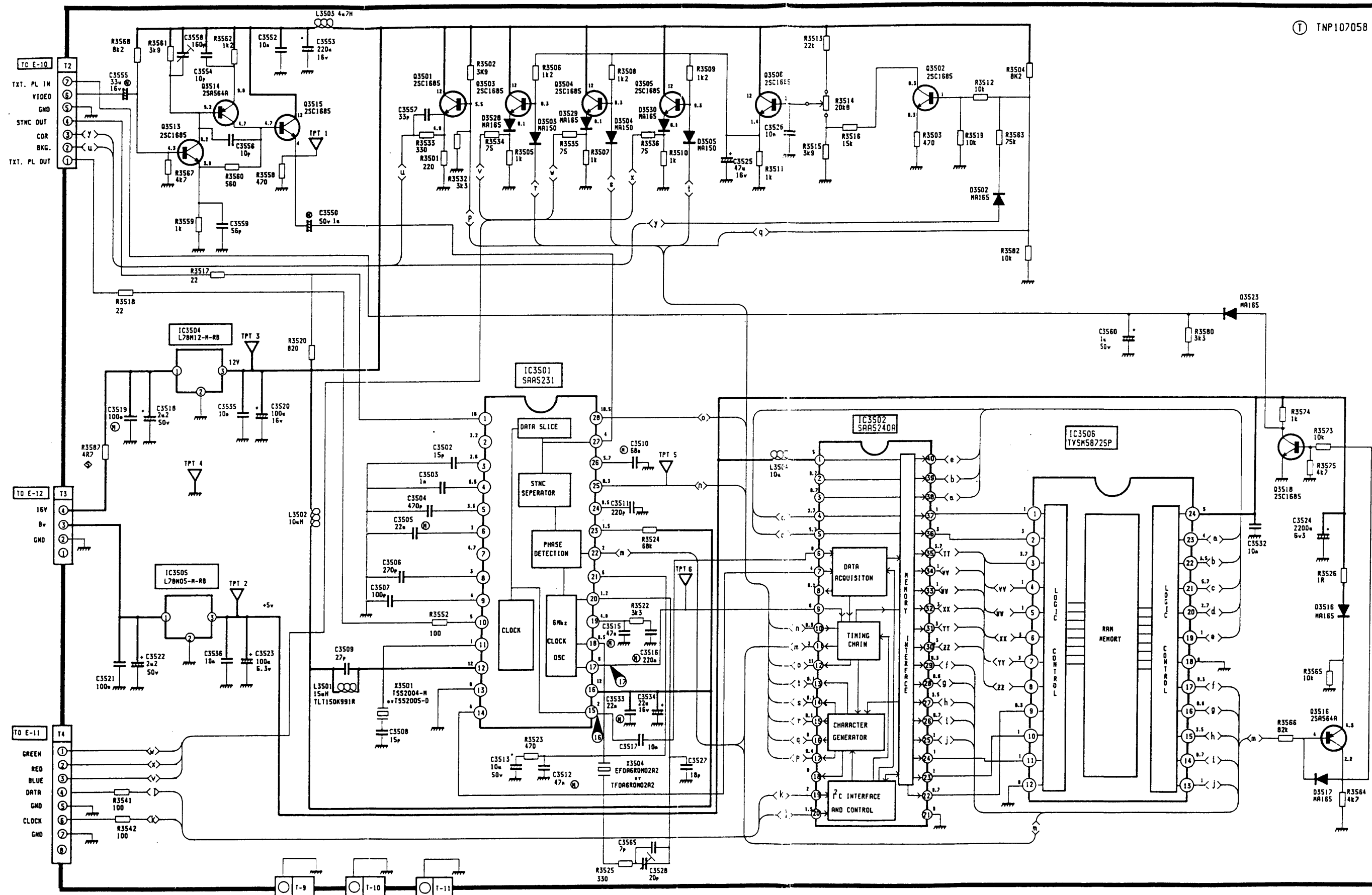
FERNBEDIENUNG
TNQ8E0401

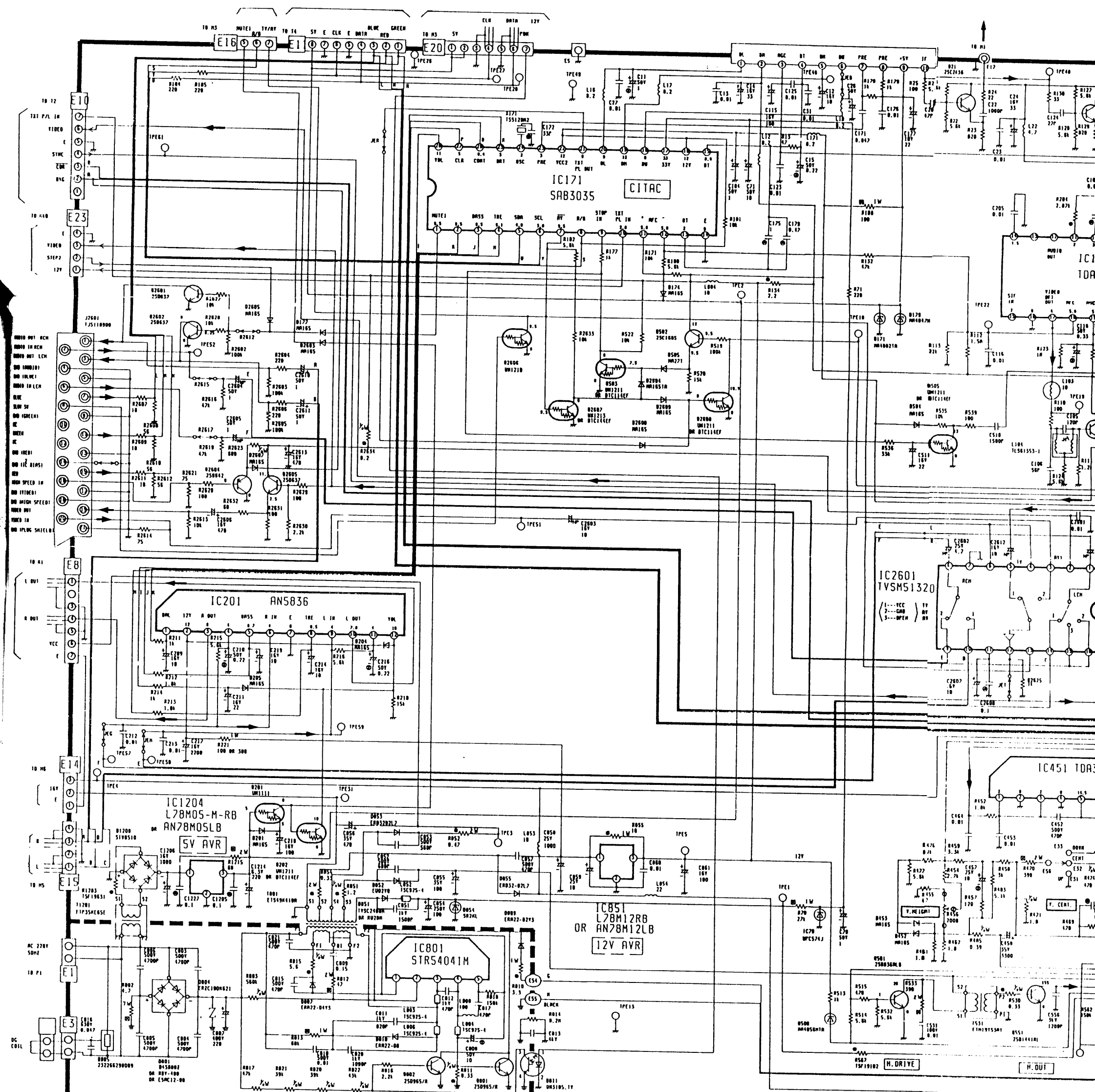
Q SCHEMATIC



T SCHEMATIC

① TNP107058





UR MODELS ONLY. C813 2n2. C305 390p.
C612. R301. JEP. JEQ. JEJ.

DRS MODELS ONLY. C813 3n3. C305 560p
E25. E26. E41. E42.

