

Service Manual



Colour Television

TX-28XD60C TX-25XD60C

EURO-3H Chassis

SPECIFICATIONS

(Information in brackets {} refers to TX-25XD60C)

Power Source :	220-240V AC, 50Hz
Power Consumption :	155W {150W}
Standby Power Consumption :	1W
Aerial Impedance :	75Ω unbalanced, Coaxial Type
Receiving System :	PAL-I, B, G, D, K, H, PAL 60, SECAM B, G, D, K, L/L' MNTSC, NTSC (AV Only)

Receiving Channels :	
VHF E2 – E12	VHF H1 – H2 (ITALY)
VHF A – H (ITALY)	VHF R1 – R2
VHF R3 – R5	VHF R6 – R12
UHF E21 – E69	CATV (S01 – S05)
CATV S1 – S10 (M1 – M10)	CATV S11 – S20 (U1 – U10)
CATV S21 – S41 (HYPERBAND)	

Intermediate Frequency :	
Video	38.9 MHz, 34 MHz
Sound	32.9 MHz, 33.4 MHz, 34.05 MHz 33.16 MHz, 32.4 MHz, 40.4 MHz
Colour	34.47 MHz, 34.5 MHz, 34.65 MHz

Video / Audio Terminals :

AUDIO MONITOR OUT	Audio (RCA x 2)	500mV rms, 1kΩ
AV1 IN	Video (21 pin) Audio (21 pin) RGB (21 pin)	1V p-p 75Ω 500mV rms 10kΩ
AV1 OUT	Video (21 pin) Audio (21 pin)	1V p-p 75Ω 500mV rms 1kΩ
AV2 IN	Video (21 pin) Audio (21 pin) S-Video IN Y : 1V p-p 75Ω (21 pin) C : 0.3V p-p 75Ω	1V p-p 75Ω 500mV rms 10kΩ Y : 1V p-p 75Ω C : 0.3V p-p 75Ω
AV2 OUT	Video (21 pin) Audio (21 pin)	1V p-p 75Ω 500mV rms 1kΩ
AV3 IN	Audio (RCA x 2) Video (RCA x 1)	500mV rms, 10kΩ 1V p-p 75Ω

High Voltage :	28.5kV ± 1kV (zero beam current)
Picture Tube :	A66ECF61X71 66 cm {A59ECF50X71 59 cm}

Audio Output :	
Speaker	2 x 20W (Music Power) 8 Ω Impedance
Headphones	8 Ω Impedance

Accessories supplied :	Remote Control 2 x R6 (UM3) Batteries
-------------------------------	--

Dimensions :	
Height :	596.5 mm {550mm}
Width :	778 mm {730mm}
Depth :	481.5 mm {479mm}
Net Weight :	35kg {30kg}

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

TECHNISCHE DATEN

(Werte in Klammern gelten {} nur für TX-25XD60C)

Netzspannung :	220-240V AC, 50Hz
Leistungsaufnahme :	155W {150W}
Standby Leistungsaufnahme :	1W
Antennenimpedanz :	75Ω asymmetrisch, Koaxial-Typ
Empfangssystem :	PAL-I, B, G, D, K, H, PAL 60, SECAM B, G, D, K, L/L' MNTSC, NTSC (nur AV Eingang)

Empfangsbereiche :	
VHF E2 – E12	VHF H1 – H2 (ITALY)
VHF A – H (ITALY)	VHF R1 – R2
VHF R3 – R5	VHF R6 – R12
UHF E21 – E69	CATV (S01 – S05)
CATV S1 – S10 (M1 – M10)	CATV S11 – S20 (U1 – U10)
CATV S21 – S41 (HYPERBAND)	

Zwischenfrequenz :	
Video	38.9 MHz, 34 MHz
Sound	32.9 MHz, 33.4 MHz, 34.05 MHz 33.16 MHz, 32.4 MHz, 40.4 MHz
Colour	34.47 MHz, 34.5 MHz, 34.65 MHz

Video / Audio Anschlüsse :

AUDIO MONITOR OUT	Audio (RCA x 2)	500mV rms, 1kΩ
AV1 EINGANG	Video (21 pin) Audio (21 pin) RGB (21 pin)	1V p-p 75Ω 500mV rms 10kΩ
AV1 AUSGANG	Video (21 pin) Audio (21 pin)	1V p-p 75Ω 500mV rms 1kΩ
AV2 EINGANG	Video (21 pin) Audio (21 pin) S-Video IN Y : 1V p-p 75Ω (21 pin) C : 0.3V p-p 75Ω	1V p-p 75Ω 500mV rms 10kΩ Y : 1V p-p 75Ω C : 0.3V p-p 75Ω
AV2 AUSGANG	Video (21 pin) Audio (21 pin)	1V p-p 75Ω 500mV rms 1kΩ
AV3 EINGANG	Audio (RCA x 2) Video (RCA x 1)	500mV rms, 10kΩ 1V p-p 75Ω

Hochspannung :	28.5kV ± 1kV (bei Nullstrahlstrom)
Bildrohre :	A66ECF61X71 66 cm {A59ECF50X71 59 cm}

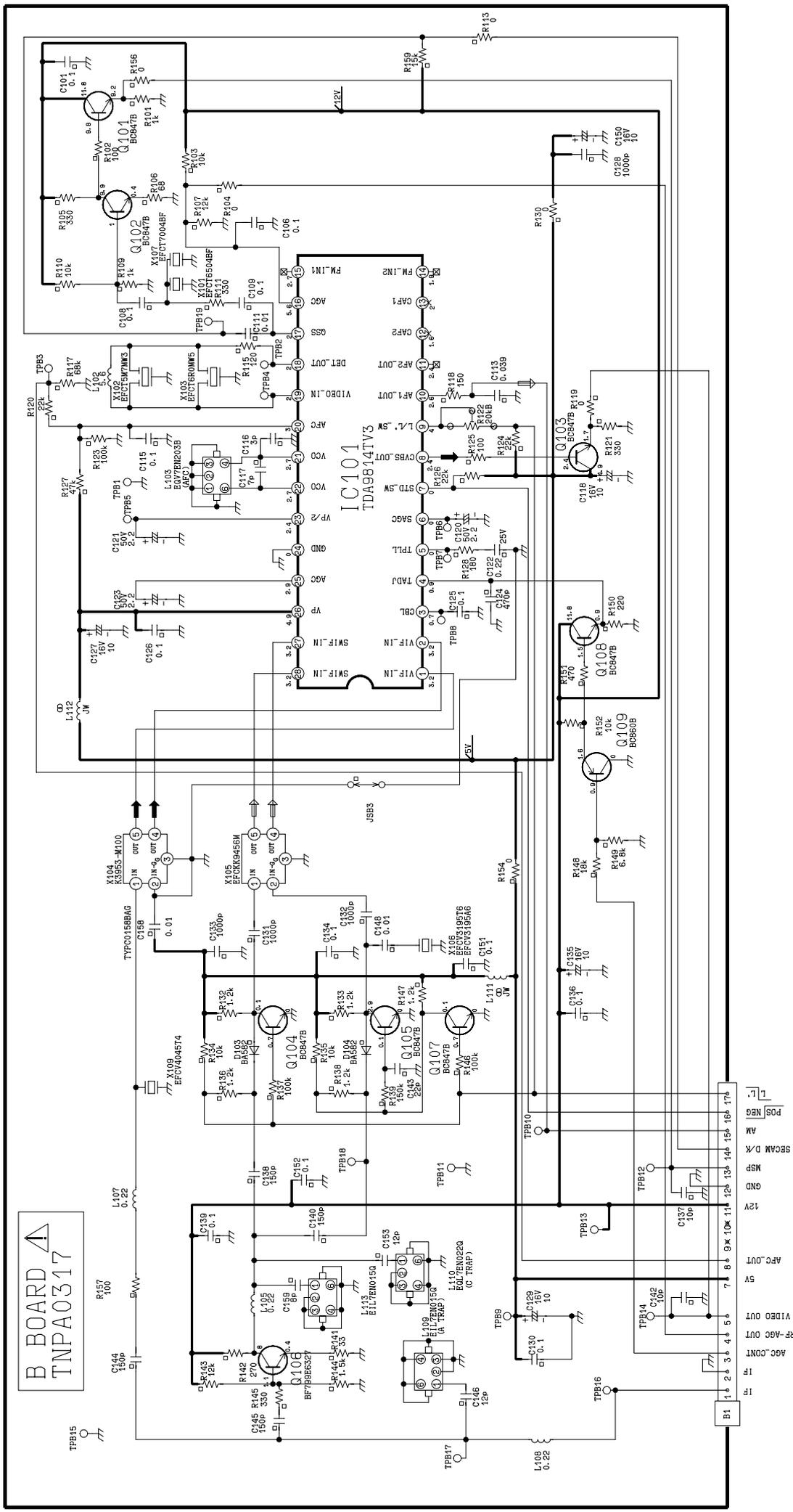
Ton Ausgangsleistung :	2 x 20W (Musikleistung)
Lautsprecher	8 Ω Impedanz
Kopfhörer	8 Ω Impedanz

Mittel, Zubehör :	Fernbedienung 2 x R6 (UM3) Batterien
--------------------------	---

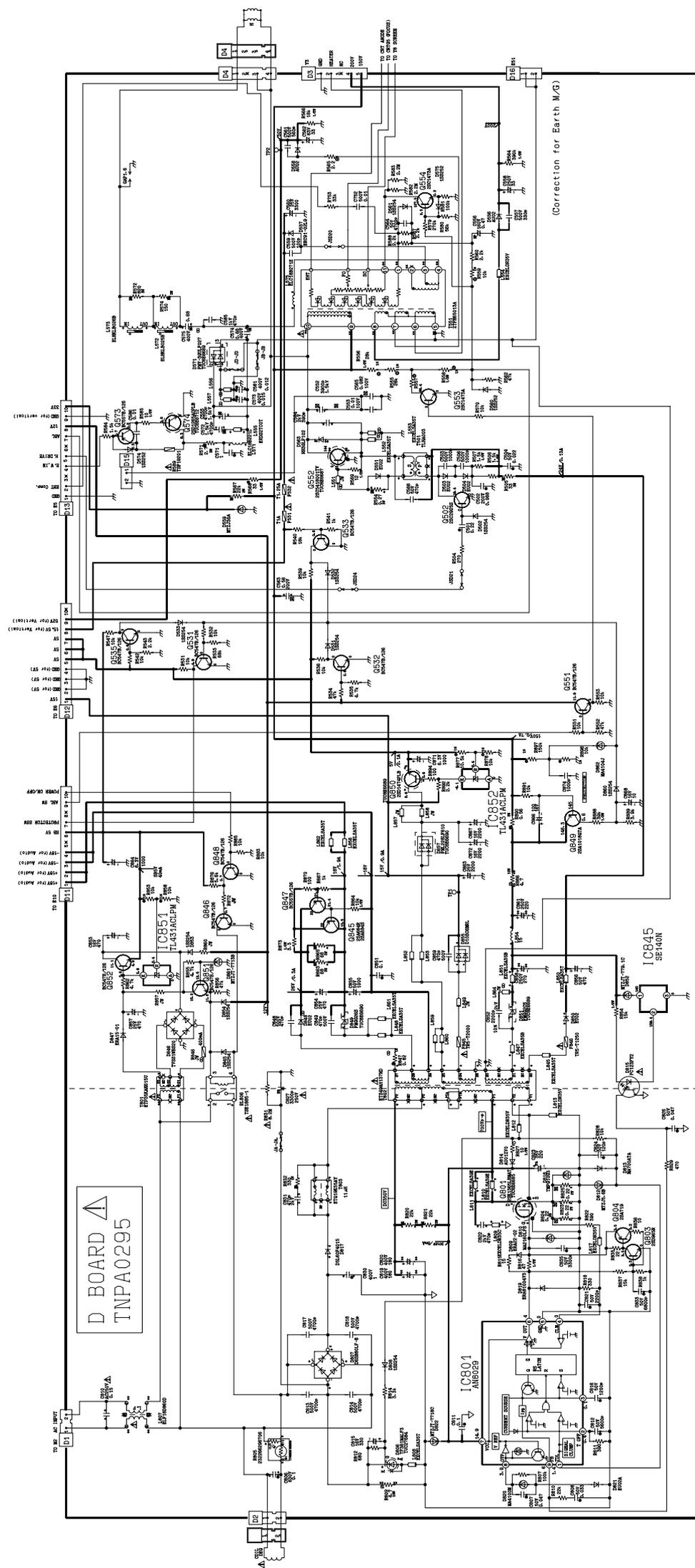
Abmessungen :	
Höhe :	596.5 mm {550mm}
Breite :	778 mm {730mm}
Tiefe :	481.5 mm {479mm}
Gewicht :	35kg {30kg}

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

B BOARD
TNPA0317



- TPB15
- TPB16
- TPB17
- TPB18
- TPB19
- TPB20
- TPB21
- TPB22
- TPB23
- TPB24
- TPB25
- TPB26
- TPB27
- TPB28
- TPB29
- TPB30
- TPB31
- TPB32
- TPB33
- TPB34
- TPB35
- TPB36
- TPB37
- TPB38
- TPB39
- TPB40
- TPB41
- TPB42
- TPB43
- TPB44
- TPB45
- TPB46
- TPB47
- TPB48
- TPB49
- TPB50
- TPB51
- TPB52
- TPB53
- TPB54
- TPB55
- TPB56
- TPB57
- TPB58
- TPB59
- TPB60
- TPB61
- TPB62
- TPB63
- TPB64
- TPB65
- TPB66
- TPB67
- TPB68
- TPB69
- TPB70
- TPB71
- TPB72
- TPB73
- TPB74
- TPB75
- TPB76
- TPB77
- TPB78
- TPB79
- TPB80
- TPB81
- TPB82
- TPB83
- TPB84
- TPB85
- TPB86
- TPB87
- TPB88
- TPB89
- TPB90
- TPB91
- TPB92
- TPB93
- TPB94
- TPB95
- TPB96
- TPB97
- TPB98
- TPB99
- TPB100



D BOARD
TNPA0295

(Correction for Earth M/G)

TO BE AC INPUT

D1

D2

D3

D4

D16

D16

D16

D16

IC801
AN8029

IC845
SE140N

IC851
TL431CLPM

IC852
TL431CLPM

IC853
TL431CLPM

IC854
TL431CLPM

IC855
TL431CLPM

Q845
2N4348

Q846
2N4348

Q847
2N4348

Q848
2N4348

Q851
2N4348

Q852
2N4348

Q853
2N4348

Q854
2N4348

Q855
2N4348

TO BE AC INPUT

D1

D2

D3

D4

D5

D6

D7

D8

D9

D10

D11

D12

D13

D14

D15

D16

D17

D18

D19

D20

D21

D22

D23

D24

D25

D26

D27

D28

D29

D30

D31

D32

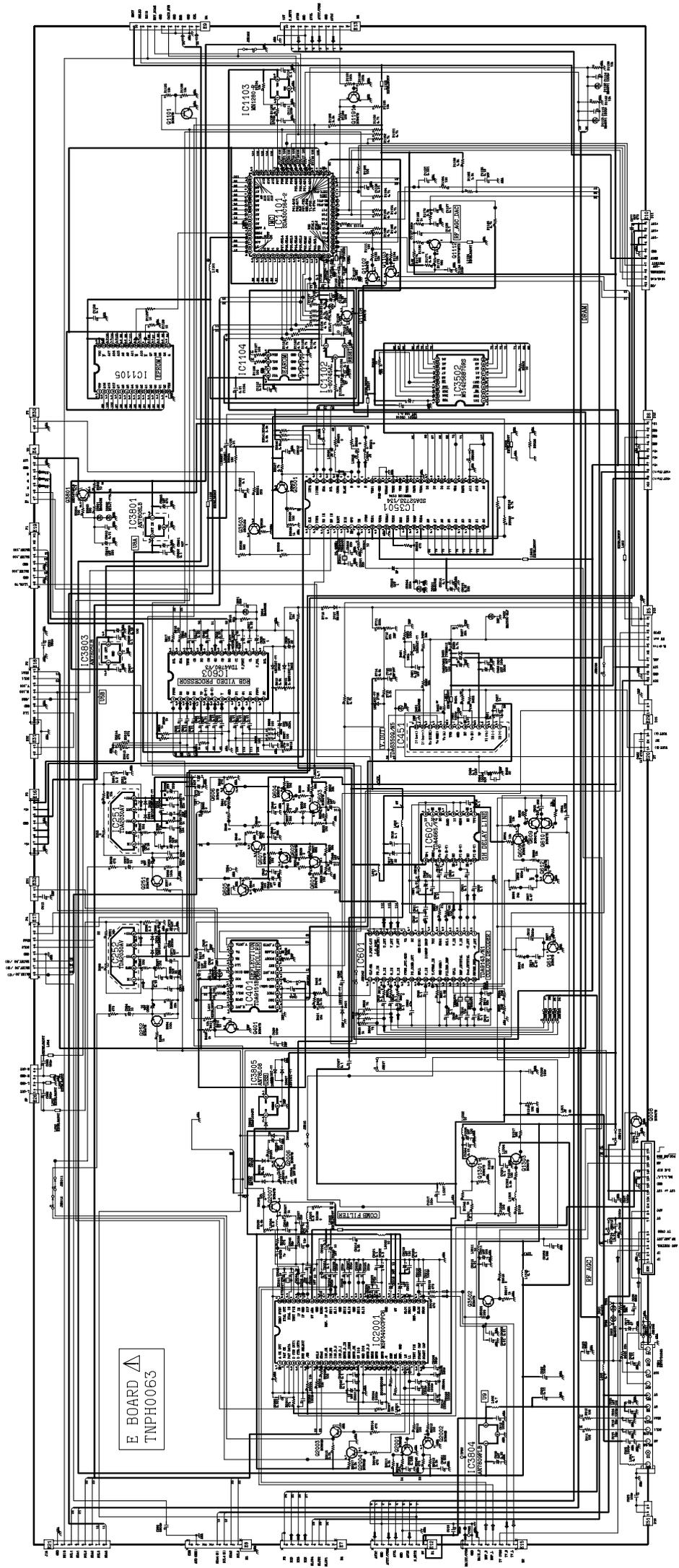
D33

D34

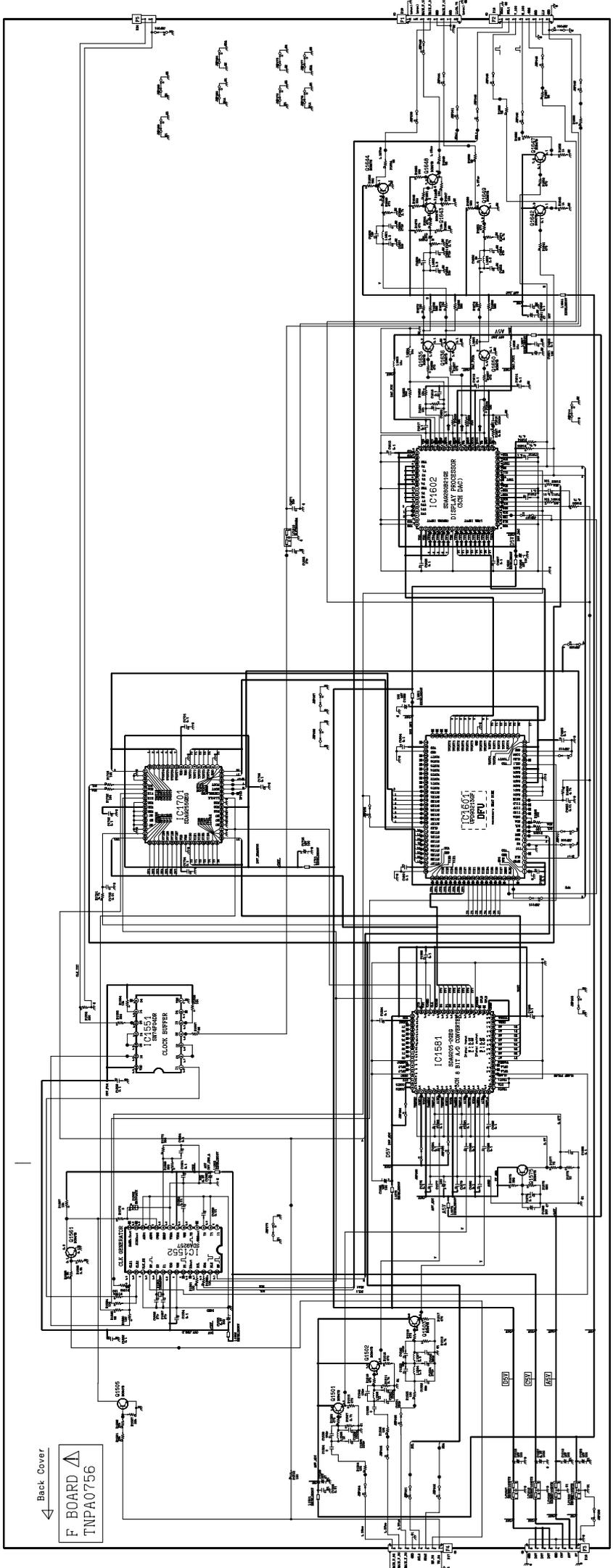
D35

D36

D16



E BOARD
TNP H0063



H BOARD
TNPA0293

