

Service Manual

Supplement

Colour Television EURO 2 Chassis

TX-28LD2F

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Service Manual



SUPPLEMENT - 1

**Colour Television
TX-28LD2F**

EURO 2 Chassis

NOTE:

THIS SUPPLEMENT SHOULD BE USED IN CONJUNCTION WITH THE TX-28LD1F SERVICE MANUAL

NOTE:

CE SUPPLEMENT DOIT ETRE UTILISE CONJOINTEMENT AVEC LE MANUEL TECHNIQUE DU TX-28LD1F.

Specifications

Power Source :	220 - 240 V AC, 50Hz
Power Consumption :	97W
Aerial Impedance :	75Ω unbalanced, Coaxial Type
Receiving System :	PAL B/G, I, H PAL - 60 SECAM L/L' B/G
Receiving Channels :	VHF E2 - E12 VHF A - H (ITALY) VHF R3 - R5 UHF E21 - E69 CATV S1 - S10 (M1 - M10) CATV S21 - S41 (HYPERBAND)
Intermediate Frequency :	Video 38.9MHz, 34MHz Sound 32.9MHz, 33.4MHz, 33.16MHz, 32.4MHz 33.05MHz, 34.05MHz, 40.4MHz 34.65MHz, 34.47MHz, 34.5MHz
Colour	
Video / Audio Terminals :	
AUDIO MONITOR OUT	Audio (RCA x 2) 500 mV rms 1kΩ
AV1 IN	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500 mV rms 10kΩ RGB (21 pin)
AV1 OUT	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500 mV rms 1kΩ
AV2 IN	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500 mV rms 10 kΩ S-Video IN Y : 1 Vp-p 75Ω (21 pin) C : 0.3 Vp-p 75Ω
AV2 OUT	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500 mV rms 1kΩ
AV3 IN	S-Video IN Y : 1 Vp-p 75Ω (4-pin) C : 0.3 Vp-p 75Ω Audio (RCA x 2) 500 mV rms 10kΩ Video (RCA x 1) 1 Vp-p 75Ω
High Voltage :	28kV ± 1kV at zero beam current
Picture Tube :	A66ECF50X12
Visible screen size:	66 cm
Audio Output :	
Internal Speaker	2 x 15 W (Music Power) 8 Ω Impedance
Headphones	8 Ω Impedance
Accessories supplied :	Remote Control R6 (UM3) Battery
Dimensions :	Height : 582mm Width : 752mm Depth : 462mm
Net Weight	32kg
Specifications are subject to change without notice. Weight and dimensions shown are approximate.	

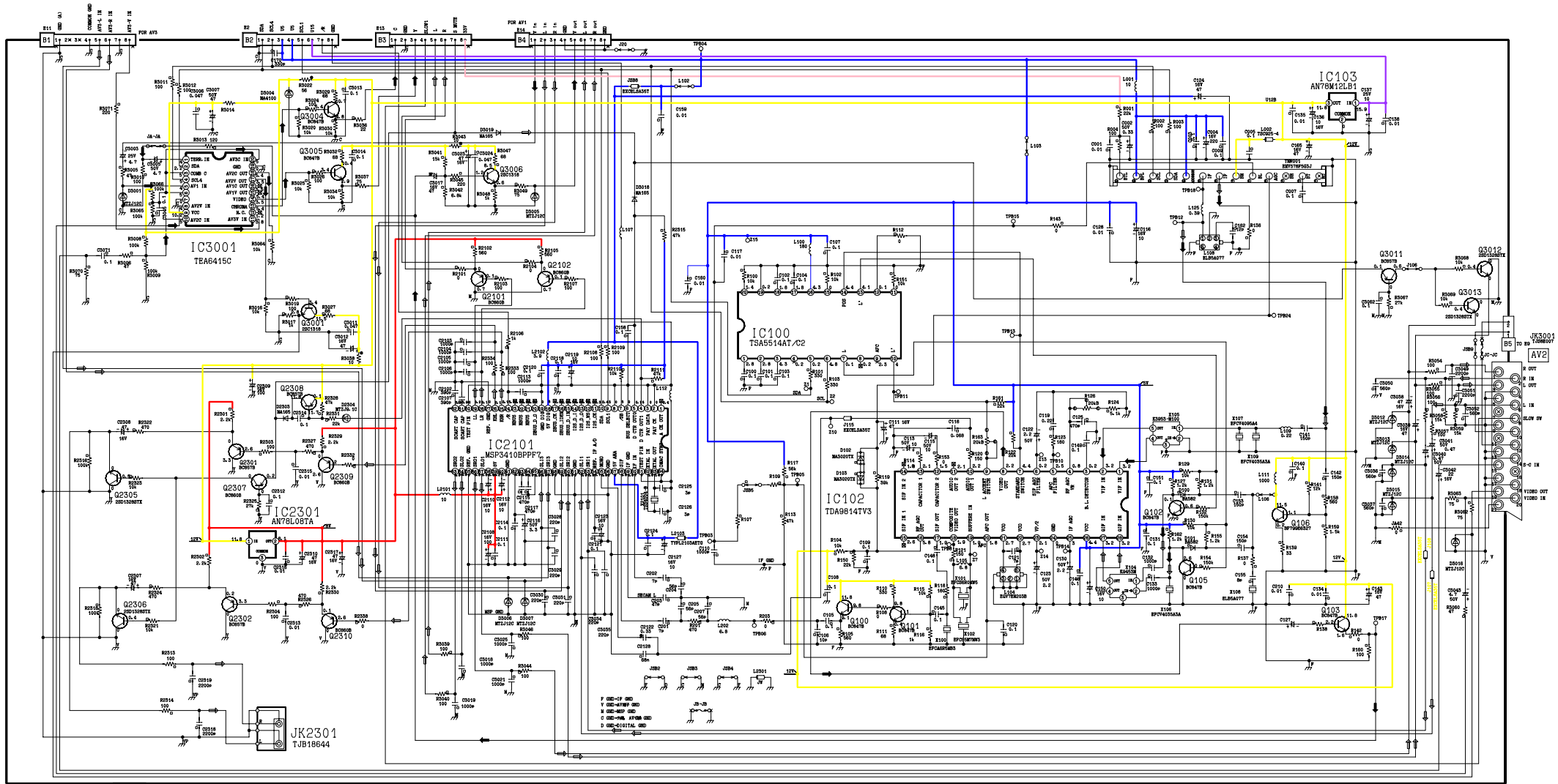
Caractéristiques

Alimentation :	220 - 240 V AC, 50Hz
Consommation :	97W
Impédance d'antenne :	75Ω asymétrique sur prise coaxiale
Système de réception :	PAL B/G, I H PAL - 60 SECAM L/L' B/G
Canaux de réception :	VHF E2 - E2 VHF A - H (ITALY) VHF R3 - R5 UHF E21 - E69 CATV S1 - S10 (M1 - M10) CATV S21 - S41 (HYPERBAND)
Fréquence Intermédiaire :	Video 38.9MHz, 34MHz Sound 32.9MHz, 33.4MHz, 33.16MHz, 32.4MHz 33.05MHz, 34.05MHz, 40.4MHz 34.65MHz, 34.47MHz, 34.5MHz
Colour	
Les bornes vidéo/audio :	
AUDIO MONITOR SORTIE	Audio (RCA x 2) 500 mV rms 1kΩ
Entrée AV1 (21 broches)	Vidéo 1 Vp-p 75Ω Audio 500 mV rms 10kΩ RVB
Sortie AV1 (21 broches)	Vidéo 1 Vp-p 75Ω Audio 500 mV rms 1kΩ
Entrée AV2 (21 broches)	Vidéo 1 Vp-p 75Ω Audio 500 mV rms 10 kΩ S-Vidéo IN Y : 1 Vp-p 75Ω (21 broches) C : 0.3 Vp-p 75Ω
Sortie AV2 (21 broches)	Vidéo 1 Vp-p 75Ω Audio 500 mV rms 1kΩ
Entrée AV3 (21 broches)	S-Vidéo IN Y : 1 Vp-p 75Ω (4-broches) C : 0.3 Vp-p 75Ω Audio (RCA x 2) 500 mV rms 10kΩ Vidéo (RCA x 1) 1 Vp-p 75Ω
Tension d'anode :	28kV ± 1kV
Tube image :	A66ECF50X12 66 cm
Sortie Audio :	
Hautes parleurs intérieurs	2 x 15W (Music Power) 8 Ω Impédance
Casque d'écoute	8 Ω Impédance
Accessories fournis :	Télécomande R6 (UM3) Piles x 2
Dimensions :	Hauteur : 582mm Largeur : 752mm Profondeur : 462mm
Poids (NET) :	32kg
Les caractéristiques techniques sont susceptibles de modification sans Préavis. Le poids et les dimensions indiqués sont approximatifs.	

		TX – 28LD1F	TX – 28LD2F
DESCRIPTION		ORIGINAL	NEW
2) CABINET	Δ	TKY8E041	TKY8E041–3
3) CRT	Δ	A66ECF40X12	A66ECF50X12
5) Y PCB	Δ	TNP117070AA	TNP117070AC
6) B/COVER LABEL		TBM8E1476	TBM8E1566
9) E PCB	Δ	TNP197091AD	TNP197091BH
16) DEGAUSS COIL	Δ	TLK8E05116	TLK8E05125
INST BOOK GERMAN	Δ	TQB8E2047A	TQB8E2186A
INST BOOK ITALIAN	Δ	TQB8E2047C	TQB8E2186C
INST BOOK FRENCH	Δ	TQB8E2047D	TQB8E2186D
INST BOOK SPANISH	Δ		TQB8E2186E
CARTON		TPC8E4512	TPC8E4558
BOTTOM CUSHION		TPD8E612–1	TPD8E612–2

CR No	DESCRIPTION	ORIGINAL	NEW
C143	CAPACITOR	ECEA1CKA100B	ECEA1CM470B
C155	CAPACITOR	NIL	ECUV1H080DCX
C165	CAPACITOR	NIL	ECEA1CM470B
C252	CAPACITOR	ECUV1H223KBX	ECUV1H473KBX
C256	CAPACITOR	ECUV1H223KBX	ECUV1H473KBX
C606	CAPACITOR	NIL	ECUV1H040CCX
C607	CAPACITOR	NIL	ECUV1H040CCX
C625	CAPACITOR	ECEA1HNR22UB	ECEA1HNR33SB
C2101	CAPACITOR	ECUV1H223KBX	NIL
C2109	CAPACITOR	ECUV1H223KBX	NIL
C2128	CAPACITOR	NIL	ECUV1H683ZFX
C3026	CAPACITOR	ECEA1HMR47GB	ECEA1CM470B
C3027	CAPACITOR	ECEA1HMR47GB	ECEA1CM470B
C3049	CAPACITOR	NIL	ECUV1H222KBX
C3050	CAPACITOR	NIL	ECUV1H561JCX
C3054	CAPACITOR	ECUV1H222KBX	NIL
C3055	CAPACITOR	ECUV1H561JCX	NIL
D904	DIODE	T3A205016	MA165TA5VT
D906	DIODE	NIL	RLS72TE–11
D1210	DIODE	NIL	MA165TA5VT
IC601	VIDEO I.C.	VDP3108–29	VDP3108APPA1
IC1202	EPROM	27C010–08ALF	27C028–LD2F
IC1203	EAROM	X24C16P–J1F	X24C0801EJ
IC2101	AUDIO I.C.	MSP3410–15	MSP3400BPPF7
JA40	RESISTOR	ERJ6GEY0R00V	NIL
JA42	RESISTOR	NIL	ERJ6GEY0R00V
JSB9	WIRE LINK	NIL	T3A206022
JSY5	WIRE LINK	NIL	T3A206022
J26	WIRE LINK	NIL	T3A205016
J197	WIRE LINK	NIL	T3A206022
L801	COIL	298–19711	EXCELSA24T

CR No	DESCRIPTION	ORIGINAL	NEW
L2103	COIL	EXCELD35V	TYPL2103AETG
Q908	TRANSISTOR	2SA1535ARLB	2SB940APLB
Q909	TRANSISTOR	2SC3944ARLB	2SD1264APLB
R128	RESISTOR	ERJ6GEY0R00V	NIL
R135	RESISTOR	ERJ6GEY0R00V	NIL
R137	RESISTOR	NIL	ERJ6GEY0R00V
R158	RESISTOR	ERJ6GEYJ271V	ERJ6GEYJ561V
R302	RESISTOR	ERJ6GEYJ391V	ERJ6GEYJ471V
R306	RESISTOR	ERJ6GEYJ391V	ERJ6GEYJ471V
R310	RESISTOR	ERJ6GEYJ391V	ERJ6GEYJ471V
R706	RESISTOR	ERJ6GEYJ332V	ERJ6GEYJ222V
R707	RESISTOR	ERJ6GEYJ122V	ERJ6GEYJ911V
R813	RESISTOR	ERD50FJ334P	ERD50FJ274P
R815	RESISTOR	NIL	ERDS1TJ563T
R818	RESISTOR	ERD50FJ564P	ERD50FJ104P
R819	RESISTOR	ERD50FJ564P	ERD50FJ184P
R904	RESISTOR	ERJ6GEYJ102V	ERJ6GEYJ222V
R928	RESISTOR	ERDS2TJ2R7T	ERDS2TJ5R6T
R930	RESISTOR	ERDS2TJ2R7T	ERDS2TJ5R6T
R2101	RESISTOR	ERJ6GEYJ471V	ERJ6GEY0R00V
R2102	RESISTOR	ERJ6GEYJ222V	ERJ6GEYJ561V
R2104	RESISTOR	ERJ6GEYJ471V	ERJ6GEY0R00V
R2105	RESISTOR	ERJ6GEYJ222V	ERJ6GEYJ561V
R2332	RESISTOR	ERJ6GEYJ101V	ERJ6GEY0R00V
R2334	RESISTOR	ERJ6GEY0R00V	ERJ6GEYJ101V
R2335	RESISTOR	ERJ6GEY0R00V	NIL
X100	FILTER	EFCV4045A4	ECFA6R5MB3
X106	FILTER	EFCV4045A4	EFCV4035A3A
X107	FILTER	NIL	EFCV4095A4
X108	FILTER	NIL	ELB5A077
X109	FILTER	EFCV4045A4	EFCV4035A3A



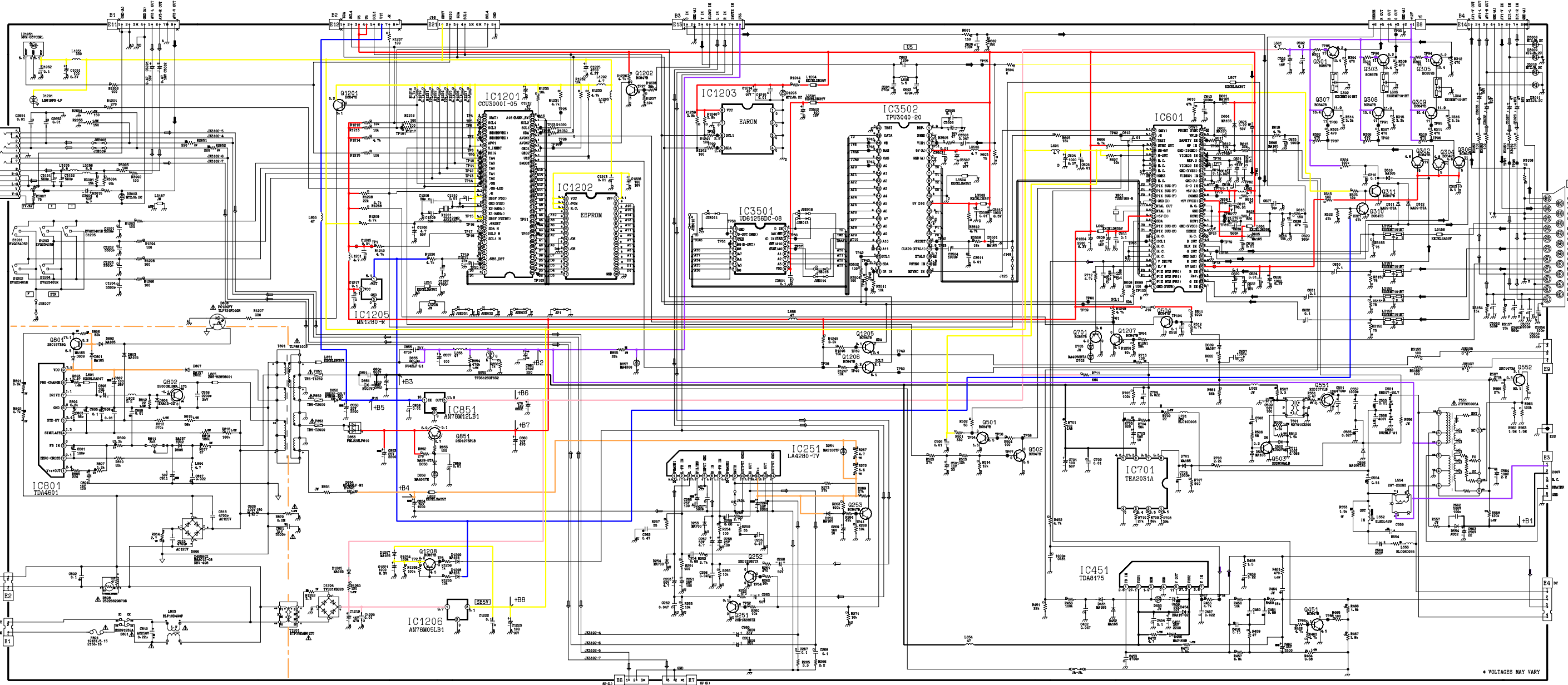
JK3102
TJB16673

AV3

JK3101
TJB8607

AV1

AC CORD
TSX8E0017 (UK)



* VOLTAGES MAY VARY

