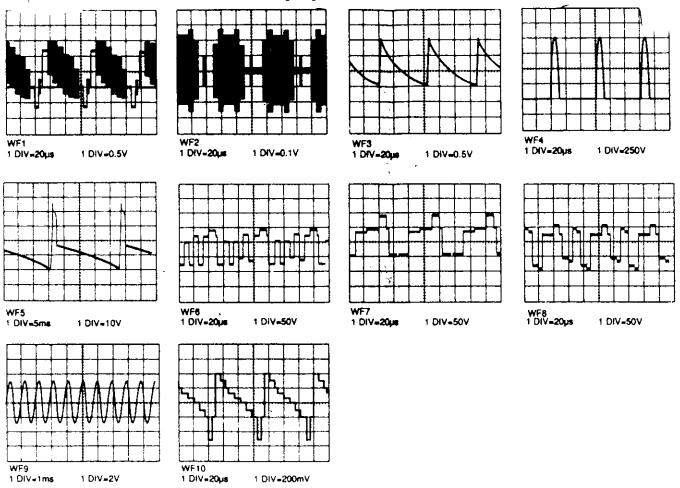
Pin No.	In/Out	Signal Name	Function	Active Level
38	OUT	OSD STB	On-screen IC Control Signal (STB)	-
39	IN	KEY DATA 3	Key Scan Signal Input Port	H
40	IN	KEY DATA 4	Key Scan Signal Input Port	H
41	IN	END-S	Tape End Position Detect	L
42	IN	PAUSE	Play Pause LED Control	H
43	IN	C-FG	Capstan Freq. Generator	~
44	IN	REEL	Reel Rotation Signal Input	~
45	-	NC		
46	IN	SD	Tuner/Video Sync Signal	L
47	OUT	S-CLK	Servo IC Timing Clock	-
48	OUT	OSD-CLK	On-screen IC Control Signal (Clock)	-
49	OUT	S-DATA	Servo IC Signal (Data)	-
50	IN/OUT	MON-DATA	Memory IC Data	-
51	OUT	MON-CLK	Memory IC Timing Clock	-
52	OUT	D-ON	Drum Rotate Instruction	L
53	OUT	C-REV	Capstan Motor Reverse Instruction	H
54	OUT	C-FWD	Capstan Motor Forward Instruction	H
55	IN	AFT-DOWN	Tuner AFT Voltage Input, "L" at under 2.5V of AFT Voltage	L
56	IN	AFT-UP	Tuner AFT Voltage Input, "H" at over 5.5V of AFT Voltage	H
57	IN	RF-SW	Radio Frequency Signal Switching Pulse	-
58	IN	OSD-BUSY	On-screen IC Control Signal (Busy)	-
59	OUT	D-PB	Video/Audio Playback Instruction Signal	L
60	OUT	T-DAC	Tuner Tuning Voltage Control Signal	-
61	IN	P-DOWN	"L" at Power Failure, "H" at Normal	L
62	IN	REMOCON	Remote Control Serial Signal Input	-
63	IN	ST-S	Tape Start Position Detection	L
64	IN	FL-C	Cassette In Detector	L
65	IN	FL-B	Cassette Out Detector	L
66	IN	FL-A	Cassette Start Detector	L
67	IN	LD-D	Tape Loading Position Detector	L
68	IN	LD-C	Tape Loading Position Detector	L
69	IN	LD-B	Tape Loading Position Detector	L
70	IN	LD-A	Tape Loading Position Detector	L
71	-	GND	GND	0V
72	IN	OSC 1 IN	Crystal Oscillator 4.19MHz Input	-
73	-	NC		
74	OUT	OSC 1 OUT	Crystal Oscillator 4.19MHz Output	-
75	IN	VDD	Power Source (+5V)	+5V
76	-	GND	GND	0V
77	OUT	P-ON	POWER-ON Control	H
78	OUT	LD-FWD	Tape Loading Instruction	H
79	OUT	LD-REV	Tape Unloading Instruction	H
80	OUT	C-FAST	Capstan Motor High Speed Instruction	H

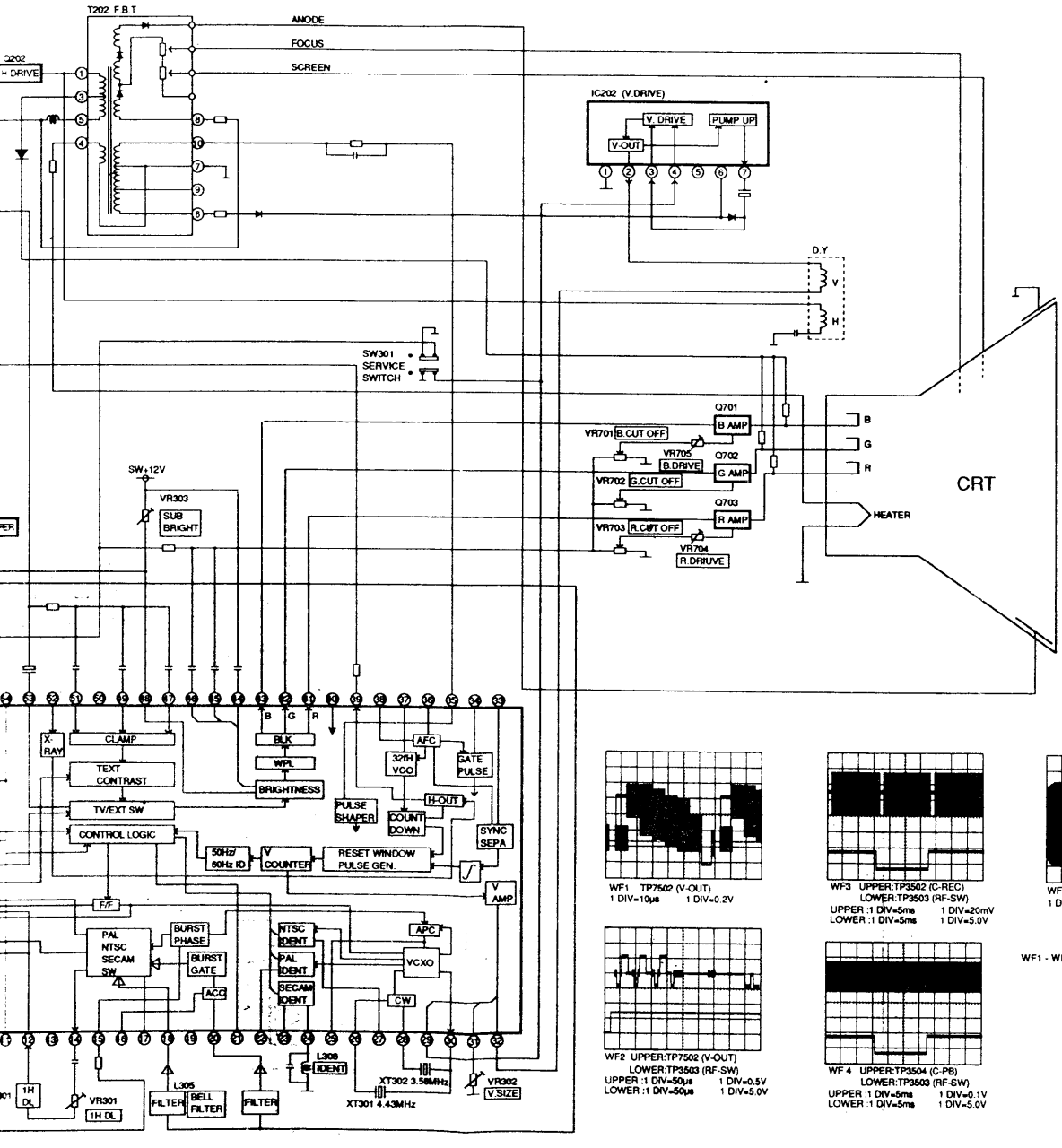
5V (Approx.)

Active Level
H
H
H
H
H
H
H
L
H
H
H
H
H
H
H
H
H
-
-
-
L
+5V
H
H
H

WAVEFORM PHOTOGRAPHS [TV]

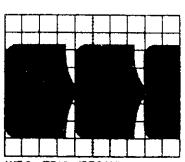
WF1 - WF10 = Waveform Check Points





WF1 TP7502 (V-OUT)
1 DIV=10μs 1 DIV=0.2V

WF3 UPPER:TP3502 (C-REC)
LOWER:TP3503 (RF-SW)
UPPER :1 DIV=5ms 1 DIV=20mV
LOWER :1 DIV=5ms 1 DIV=5.0V


WF 5 TP181 (SECAM)
1 DIV=5ms 1 DIV=0.2V

WF2 UPPER:TP7502 (V-OUT)
LOWER:TP3503 (RF-SW)
UPPER :1 DIV=50μs 1 DIV=0.5V
LOWER :1 DIV=50μs 1 DIV=5.0V

WF 4 UPPER:TP3504 (C-PB)
LOWER:TP3503 (RF-SW)
UPPER :1 DIV=5ms 1 DIV=0.1V
LOWER :1 DIV=5ms 1 DIV=5.0V

WF1 - WF5 = Waveform Check Points