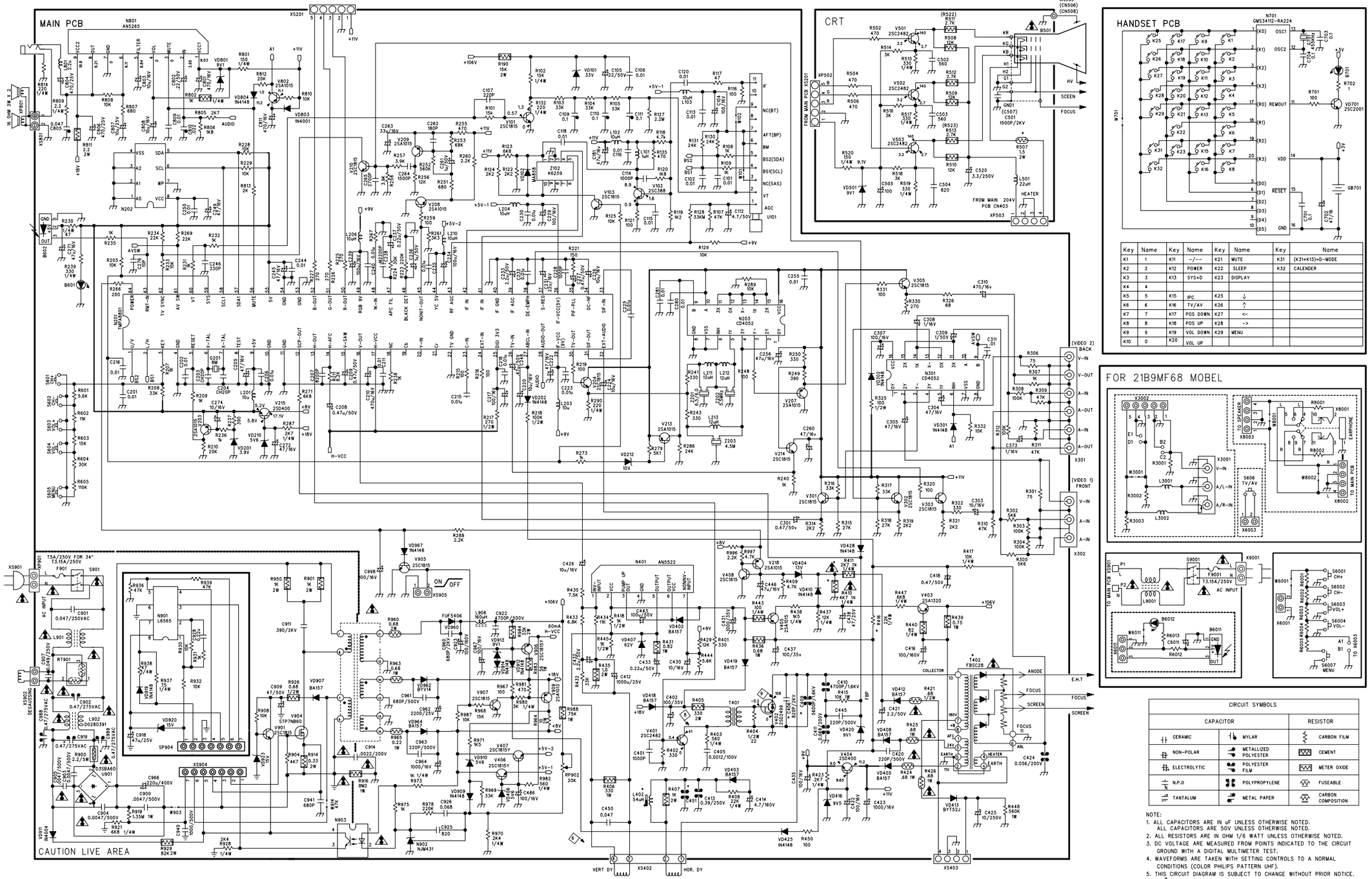
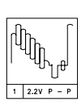


Key	Name	Key	Name	Key	Name	Key	Name
K1	1	K11	-/--	K21	MUTE	K31	(K31+K13)=D-MODE
K2	2	K12	POWER	K22	SLEEP	K32	CALENDER
K3	3	K13	SYS+D	K23	DISPLAY		
K4	4						
K5	5	K15	IPC	K25	↓		
K6	6	K16	TV/AV	K26	↑		
K7	7	K17	POS DOWN	K27	<-		
K8	8	K18	POS UP	K28	->		
K9	9	K19	VOL DOWN	K29	MENU		
K10	0	K20	VOL UP				

CIRCUIT SYMBOLS			
CAPACITOR			RESISTOR
CERAMIC	MYLAR		CARBON FILM
NON-POLAR	METALLIZED POLYESTER		CEMENT
ELECTROLYTIC	POLYESTER FILM		METER OXIDE
N.P.O	POLYPROPYLENE		FUSEABLE
TANTALUM	METAL PAPER		CARBON COMPOSITION

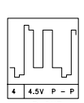
NOTE:
1. ALL CAPACITORS ARE IN uF UNLESS OTHERWISE NOTED. ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.
2. ALL RESISTORS ARE IN OHM 1/6 WATT UNLESS OTHERWISE NOTED.
3. DC VOLTAGE ARE MEASURED FROM POINTS INDICATED TO THE CIRCUIT GROUND WITH A DIGITAL MULTIMETER TEST.
4. WAVEFORMS ARE TAKEN WITH SETTING CONTROLS TO A NORMAL CONDITIONS (COLOR PHILIPS PATTERN UHF).
5. THIS CIRCUIT DIAGRAM IS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.
6. ⚠ SAFETY CRITICAL DEVICE.
7. REMARK "*" MEANS THE VALUE FOR REFERENCE.



VIDEO OUT

B OUT

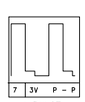
G OUT



R OUT

V.SAW TOOTH

V OUT



H.PULSE

H.DRIVE TRANSISTOR COLLECTOR

H.OUPUT TRANSISTOR COLLECTOR