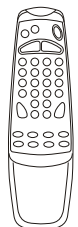
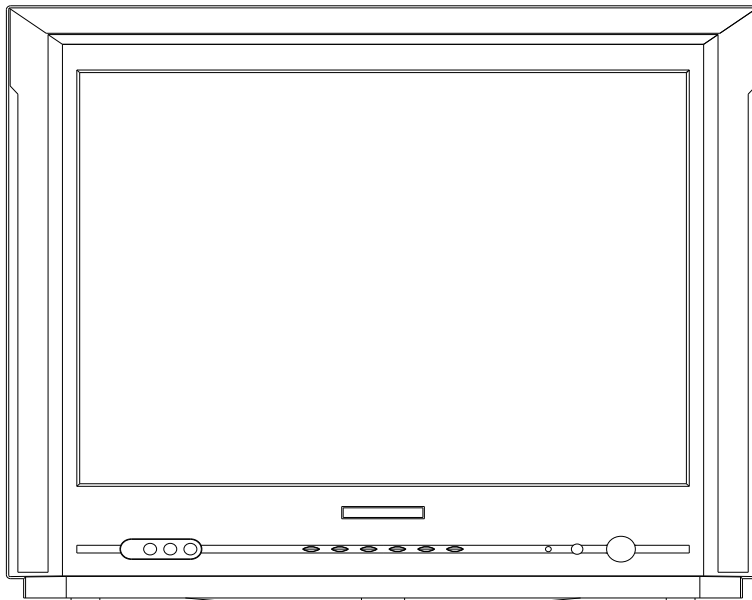


SERVICE MANUAL

3Y11 CHASSIS



*Design and specifications are subject to change without prior notice.
(ONLY REFERENCE)*

ENGINEER BY: _____ CHECKED BY: _____ PPROVED BY: _____

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Safety Notice

SAFETY PRECAUTIONS

- 1:An isolation transformer should be connected in the power line between the receiver and the AC line when a service is performed on the primary of the converter transformer of the set.
- 2:Comply with all caution and safety-related notes provided on the cabinet back, inside the cabinet, on the chassis or the picture tube.
- 3:When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as, control knobs, adjustment covers or shields, barriers, isolation resistor-capacitor networks etc.. Before returning any television to the customer, the service technician must be sure that it is completely safe to operate without danger of electrical shock.

X-RADIATION PRECAUTION

The primary source of X-RADIATION in television receiver is the picture tube. The picture tube is specially constructed to limit X-RADIATION emissions. For continued X-RADIATION protection, the replacement tube must be the same type as the original including suffix letter. Excessive high voltage may produce potentially hazardous X-RADIATION. To avoid such hazards, the high voltage must be maintained within specified limit. Refer to this service manual, high voltage adjustment for specific high voltage limit. If high voltage exceeds specified limits, take necessary corrective action. Carefully follow the instructions for +B1 volt power supply adjustment, and high voltage check to maintain the high voltage within the specified limits.

PRODUCT SAFETY NOTICE

Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by mark \triangle in the parts list and the schematic diagram designate components in which safety can be of special significance. It is particularly recommended that only parts designated on the parts list in this manual be used for component replacement designated by mark \triangle . No deviations from resistance wattage or voltage ratings may be made for replacement items designated by mark \triangle .

Technical specification

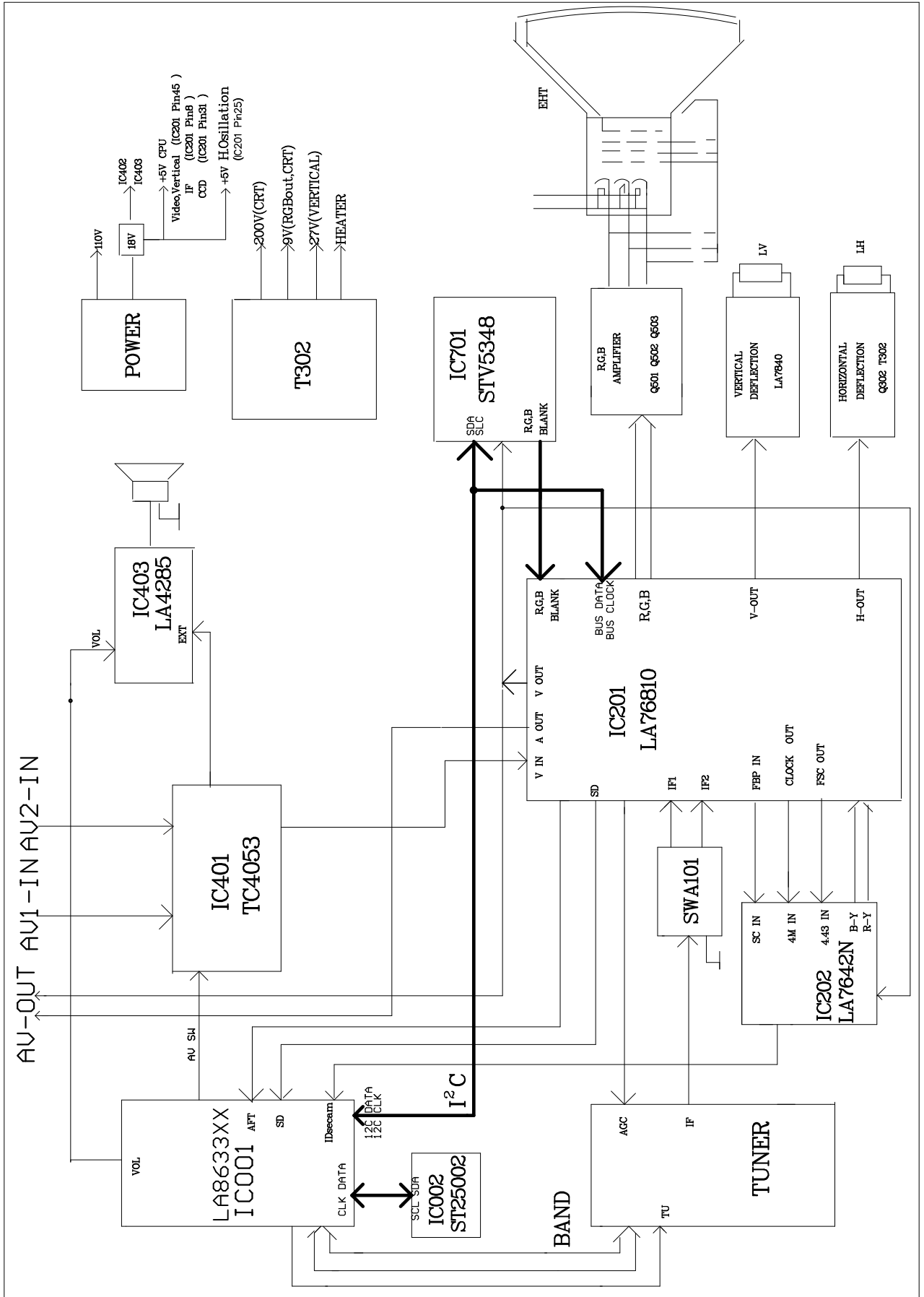
FEATURES:

AC 90V - 260V 50/60Hz
MULTI SYSTEM: PAL BG/DK/I, SECAM BG/DK(OPTION), NTSC M(OPTION)
VOLTAGE SYNTHESISED TUNING SYSTEM
100/256 PROGRAMS MEMORY (OPTION)
BLUE BACK FUNCTION
120 MINUTES SLEEP TIMER
FULL AUTO PROGRAM
TIME ON
CLOCK ; CHILD LOCK
2 AV INPUT
GAME (OPTION)
8 PAGES TELETEXT (OPTION)
BLACK LEVEL STRETCH
PROGRAM VIEW FUNCTION
FOUR PICTURE MODE MILD; COLORTUL; STANDARD ; CUSTOM; DYNAMIC

GENERAL SPECIFICATION:

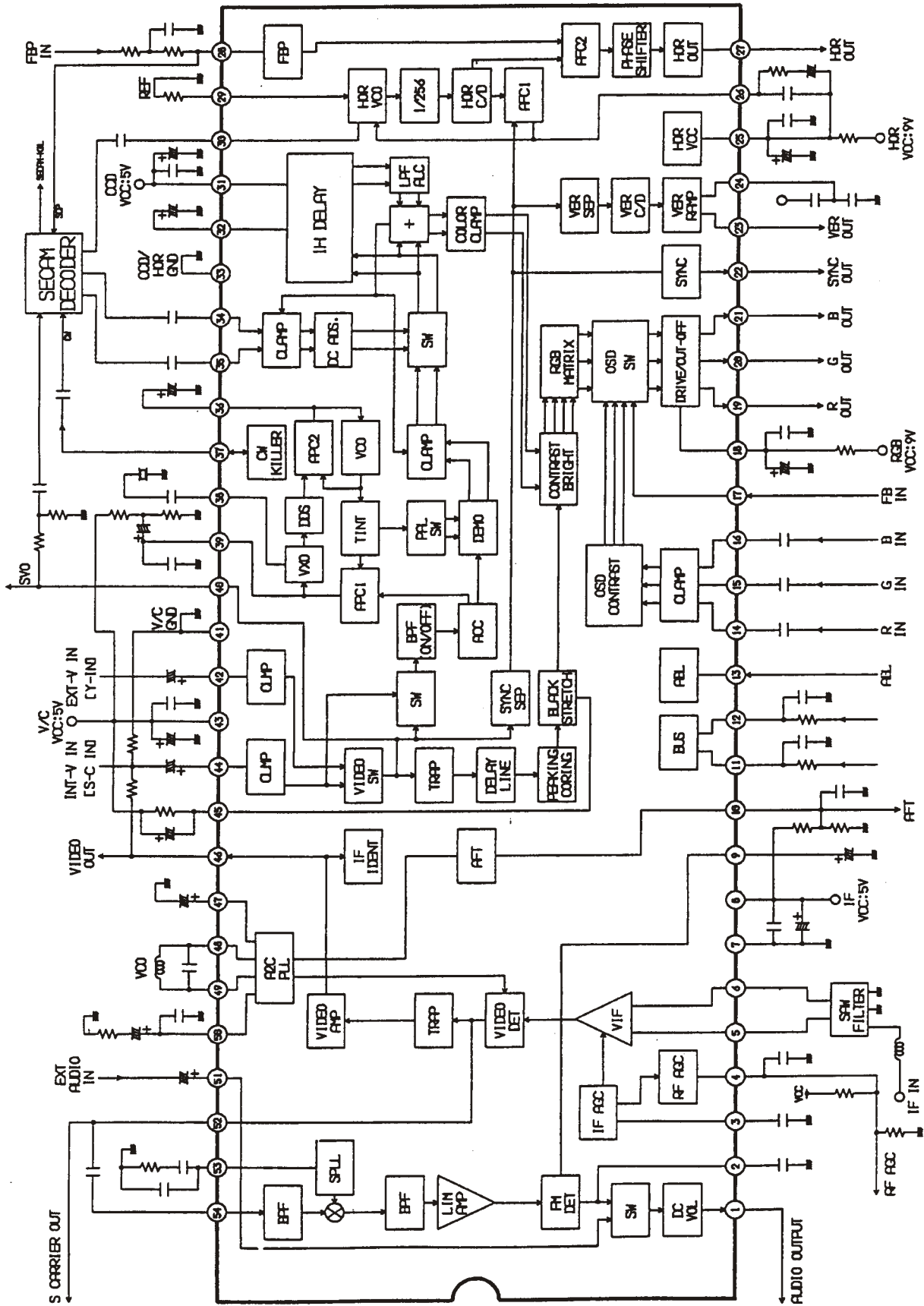
1	POWER CONSUMPTION	14	70W	MAX.
		21	90W	MAX.
2	RECEIVE SYSTEM	D/K ; I ; B/G ; M		
3	COLOUR SYSTEM:	PAL/ SECAM/ NTSC		
4	VISION INTERMEDIATE FREQUENCY	38.9MHz		
5	INTER-CARRIER FREQUENCY:	4.5 MHz (M) 5.5 MHz (B/G) 6.0 MHz (I) 6.5 MHz (D/K)		
6.	CHROMA IF FREQUENCY PAL/NTSC:	34.47/35.32 MHz		
7	ANTENNA TYPE:	DIN TYPE 75 OHM		
8	CHANNELS RECEIVING:	VHF-1	A0; E2-E4; S1-S9 CH	46.25-161.25MHz
		VHF-3	S10-S41; E5-E12 CH	168.25-463.25MHz
		UHF	E21-E69 CH	471.25-855.25MHz
9	TUNING SYSTEM	VS TUNING		
10	AV IN/OUT	2 AV IN+1 AV STEREO OUT		
11	AV IN/OUT SPECIFICATION	VIDEO IN----	1.0 0.2V _{p-p}	75 OHM
		AUDIO IN----	0-2V (r.m.s)	
		VIDEO OUT----	1.0 0.2V _{p-p}	75 OHM
		AUDIO OUT----	0-2V (r.m.s)	
12	OSD LANGUAGE	ENGLISH		
13	AUDIO OUTPUT POWER:	> 3W (1KHz, 0.5V INPUT, 10%THD)		
14	SAFETY AUTHENTICATION	STANDARD CB		
15	LED INDICATORS	POWER ON		
16	HAND SET TYPE	HS08		
17	HAND SET POWER SUPPLY	BATTERY 3V UM-3/R6/AA x2		
18	COLOUR PICTURE TUBE	14" 21" 90 DEGREE TUBE		
19	REMOTE CONTROL DISTANCE:	5 m		

Chassis Block Diagram



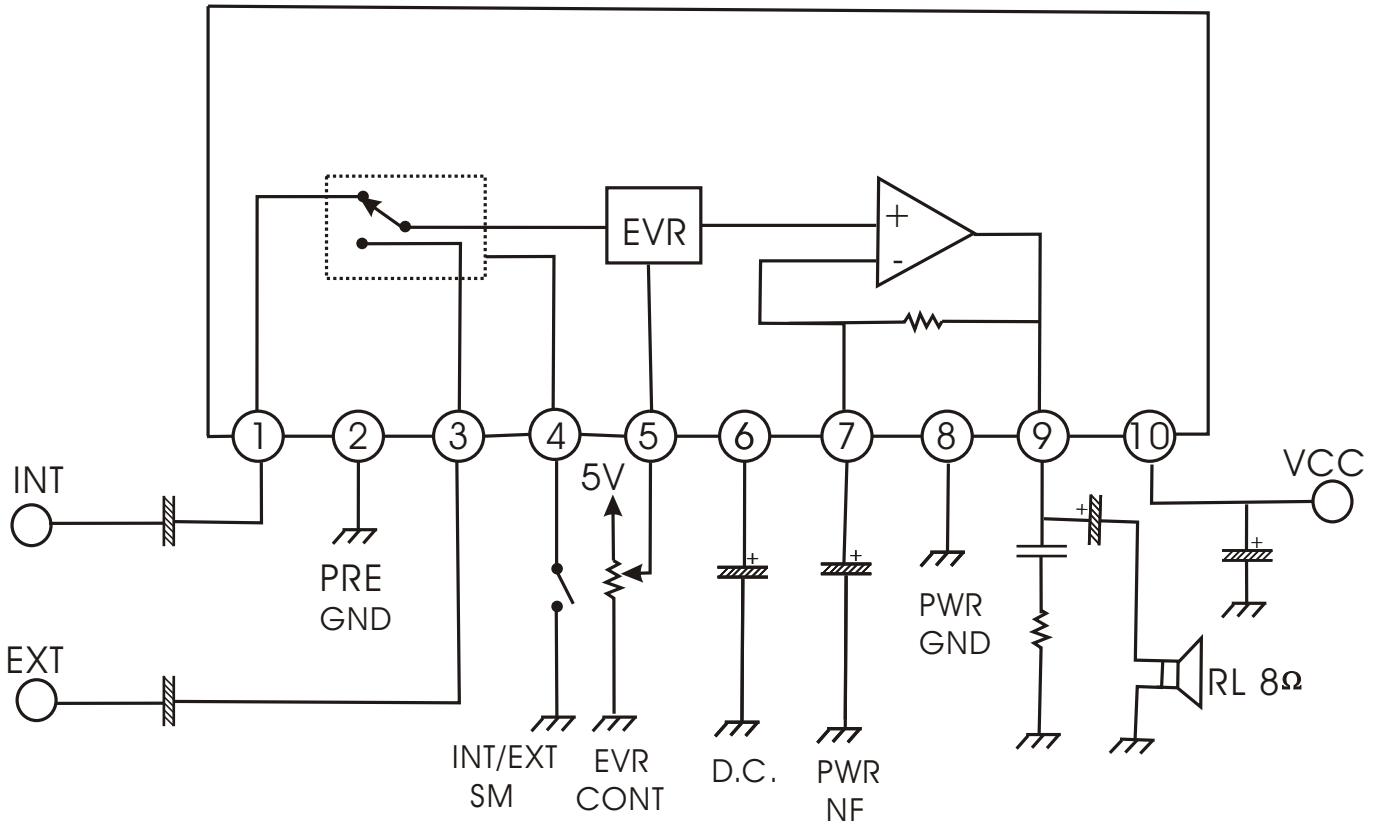
IC Block Diagram

IC 201 (IIC BUS SINGLE CHIP VIF,SIF,VIDEO CHROMA) LA76810A/HA

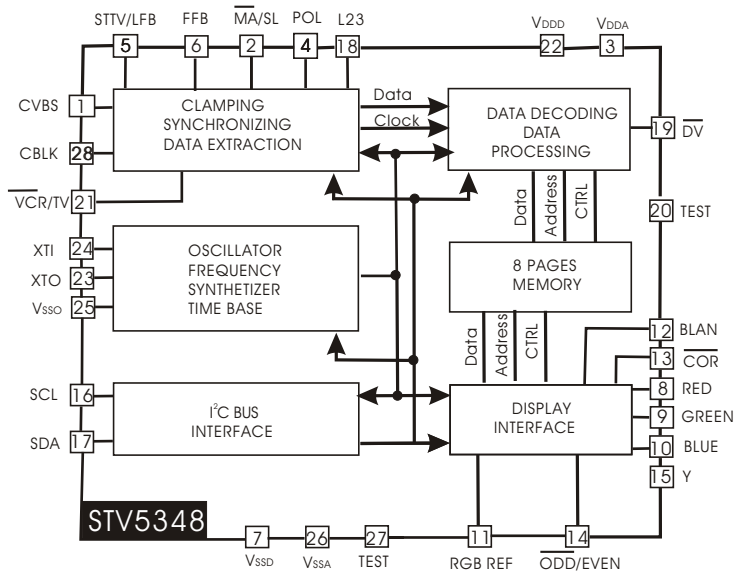


IC Block Diagram

IC 402&IC 403(3W AUDIO OUTPUT)LA 4285

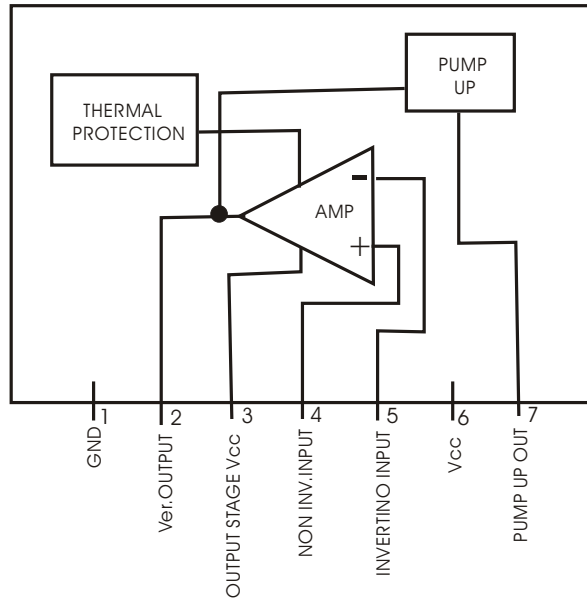


IC701 <TELETEXT> STV-5348

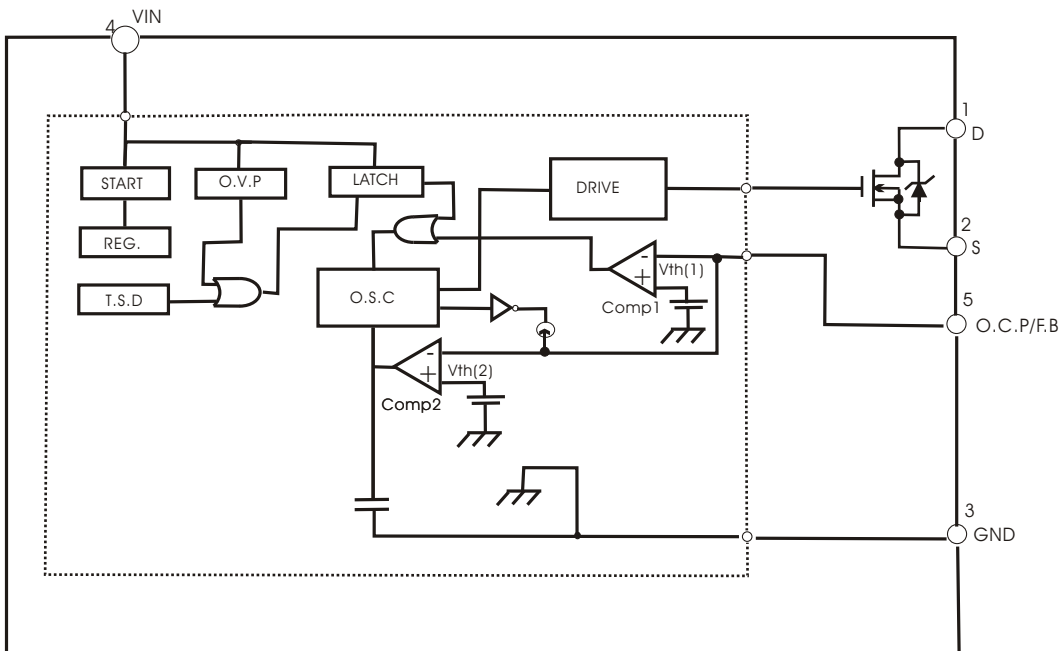


IC Block Diagram

IC301 <Vertical Output> LA7840

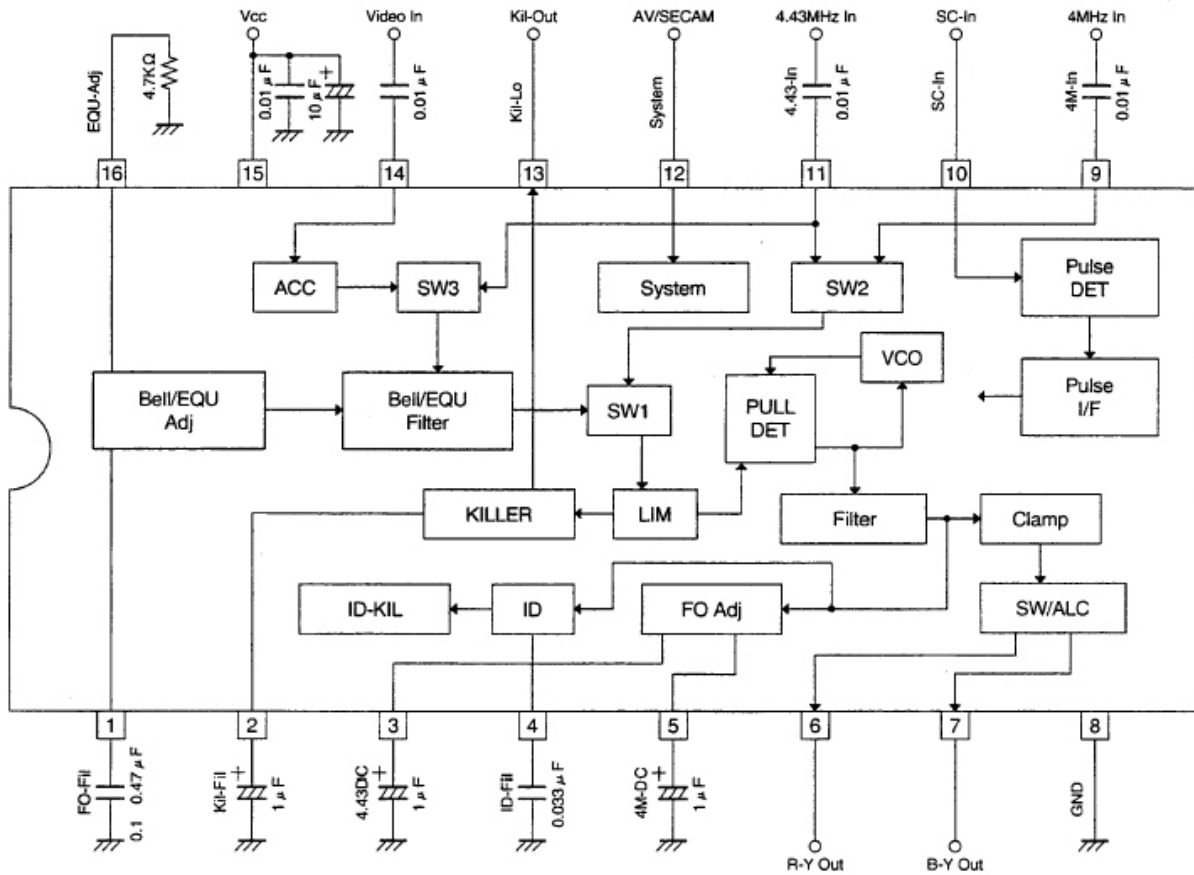


IC602 <POWER > STR-G6653

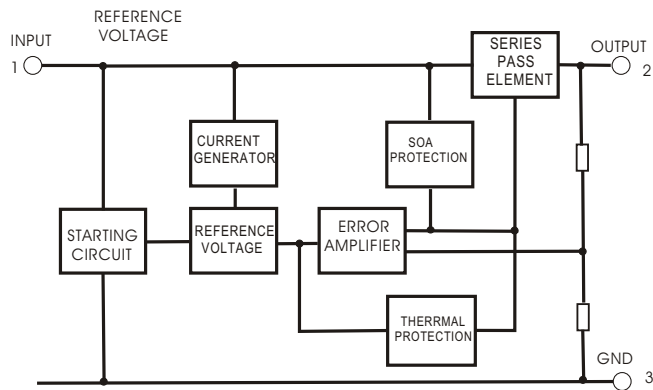


IC Block Diagram

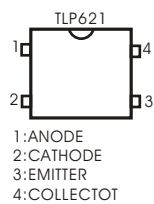
IC202 <SECAM> La7642



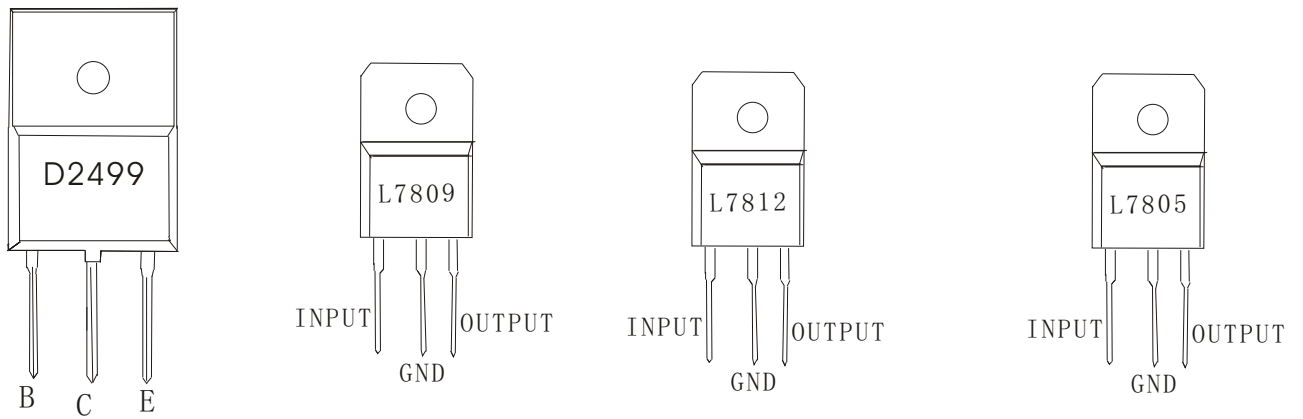
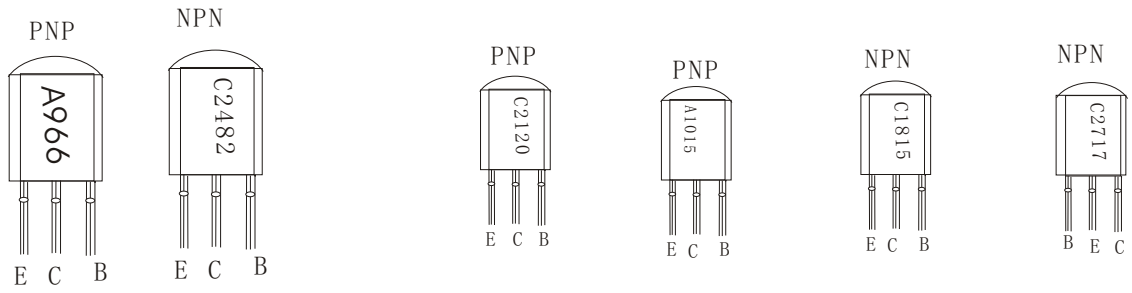
IC203, Q609, IC601 & IC302 <REGULATORS> L7800 SERIES



D613 <PHOTO TRANSISTOR> TLP621



Transistor Mark



Chassis wiring diagram

