



AKAI

COLOUR TV SET

Models:

LTA-20E304

LTA-20E305

LTA-20E304MT

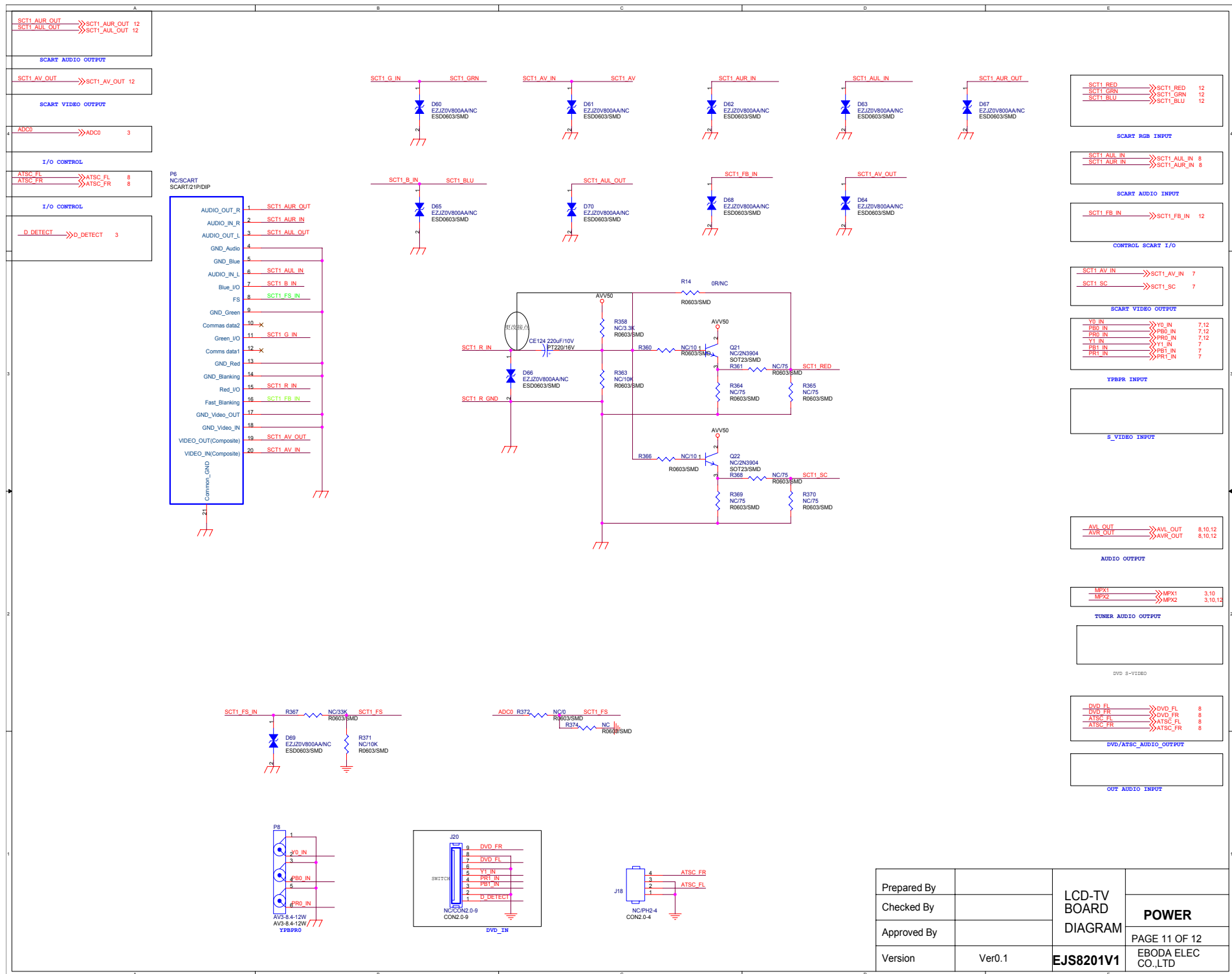
LTA-20E305MT

LTA-20E305DMT

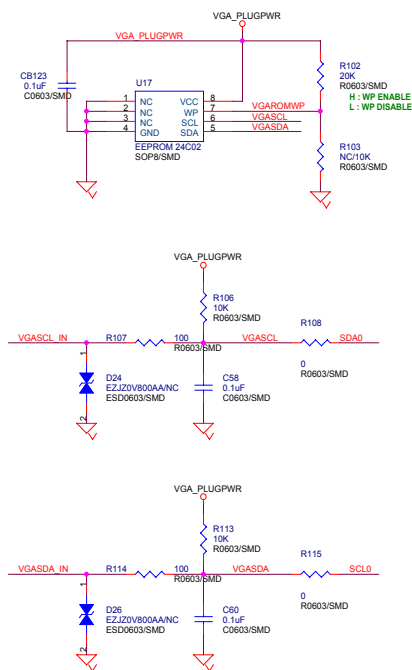
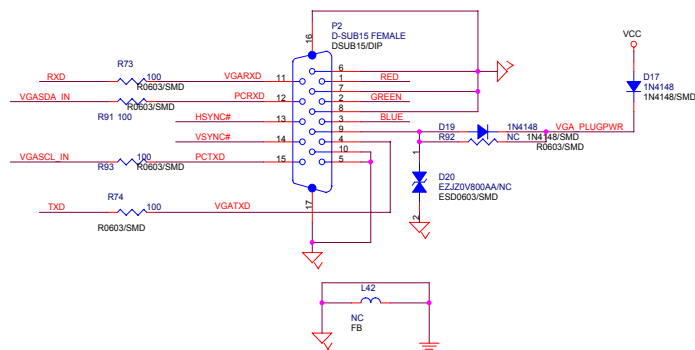
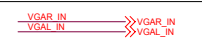
SERVICE MANUAL

20 " LCD-TV Service Manual

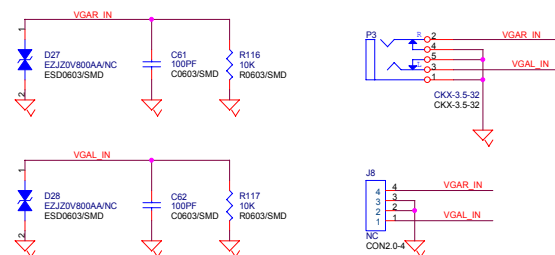
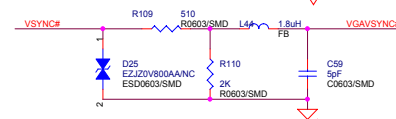
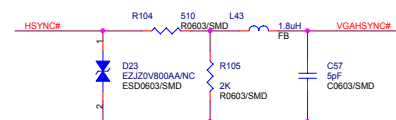
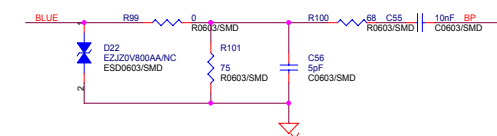
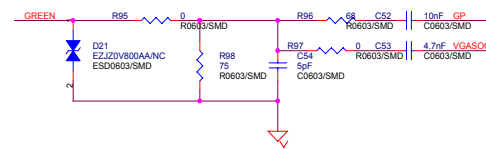
1. The System Block Diagram&the Block's Function Description
2. Schematic Circuit Diagram
3. Interconnection Diagram
4. Critical Connpoents List
5. Service Tools and Epuipment



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VGA EEPROM



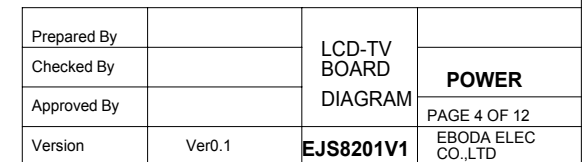
VGA AUDIO INPUT

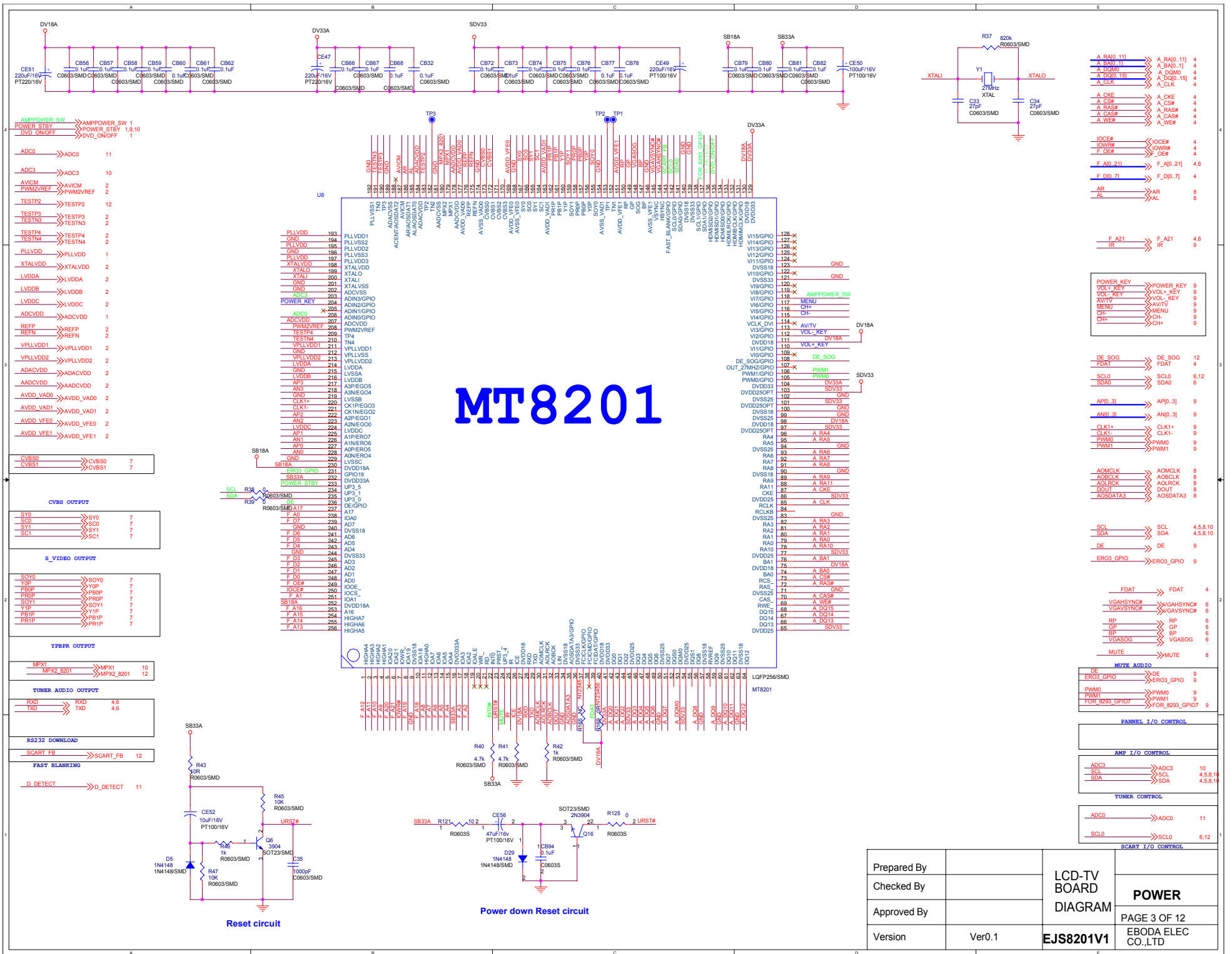
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A		B		C		D		E		
4									4	
3									3	
2									2	
1									1	
A		B		C		D		E		

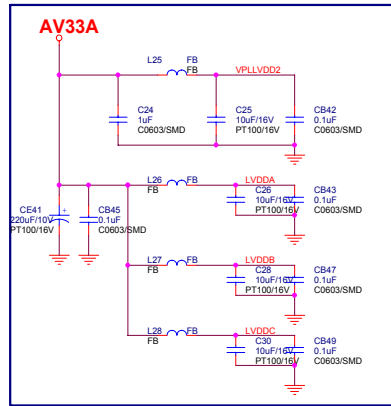
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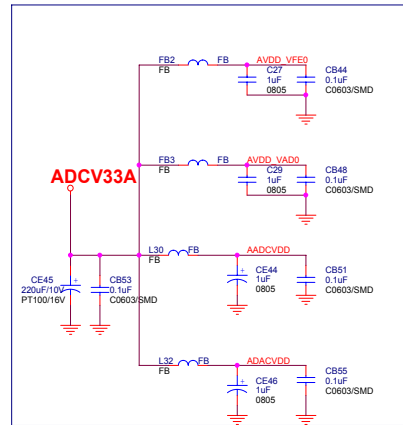




AVICM >> AVICM 3
PWM2VREF >> PWM2VREF 3
PLLVD0 >> PLLVD0 3
TESTP3 >> TESTP3 3
TESTN3 >> TESTN3 3
TESTP4 >> TESTP4 3
TESTN4 >> TESTN4 3
LVDDA >> LVDDA 3
LVDOB >> LVDOB 3
LVDDC >> LVDDC 3
REFP >> REFP 3
REFN >> REFN 3
VPLLVD01 >> VPLLVD01 3
VPLLVD02 >> VPLLVD02 3
ADACVDD >> ADACVDD 3
AACVDD >> AACVDD 3
AVDD_VAD0 >> AVDD_VAD0 3
AVDD_VAD1 >> AVDD_VAD1 3
AVDD_VFE0 >> AVDD_VFE0 3
AVDD_VFE1 >> AVDD_VFE1 3

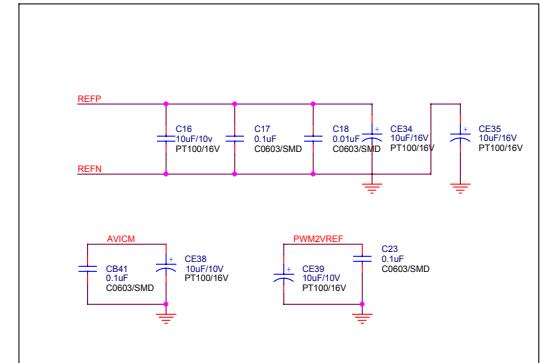


NORMAL VIDEO DAC POWER

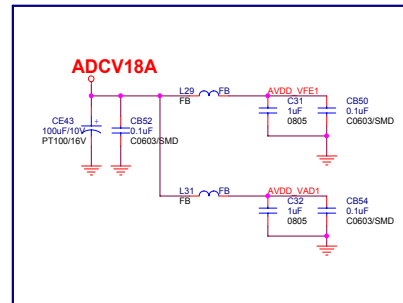


NORMAL VIDEO ADC POWER

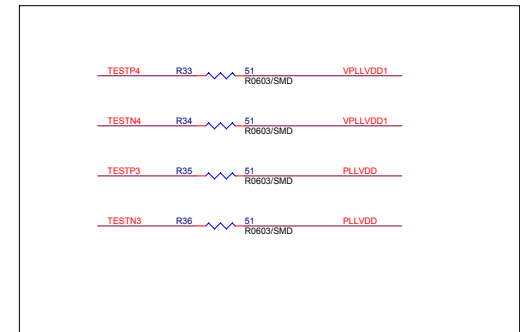
NORMAL AUDIO ADC / DAC POWER



FILTER

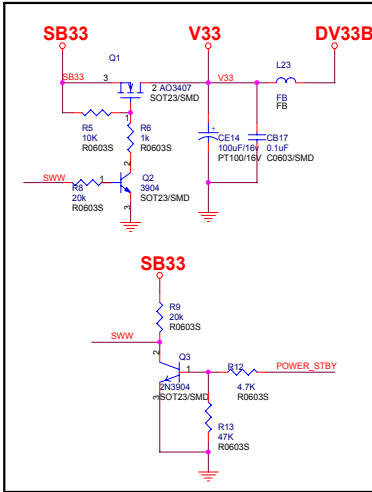
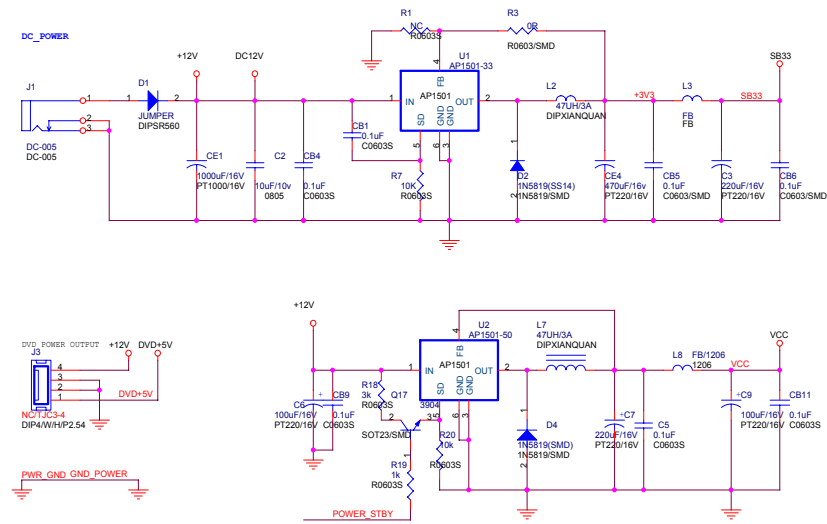


STANDBY ANALOG POWER

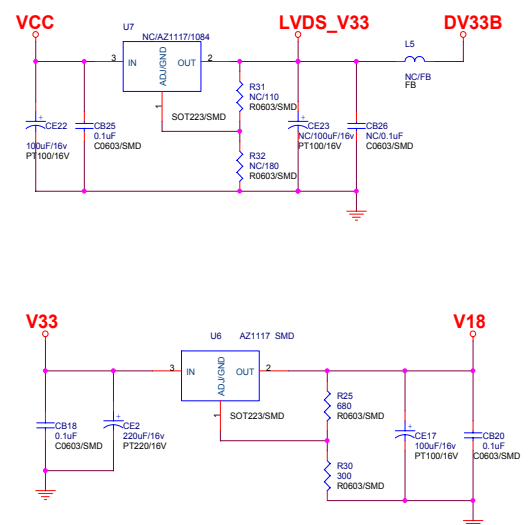
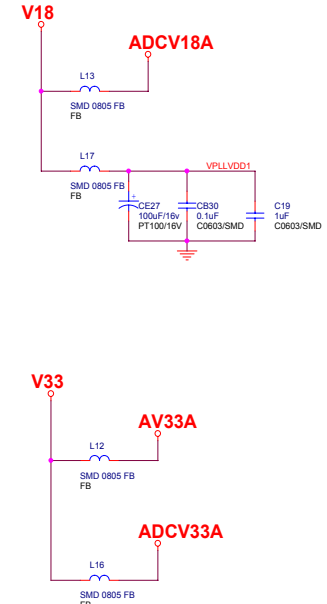
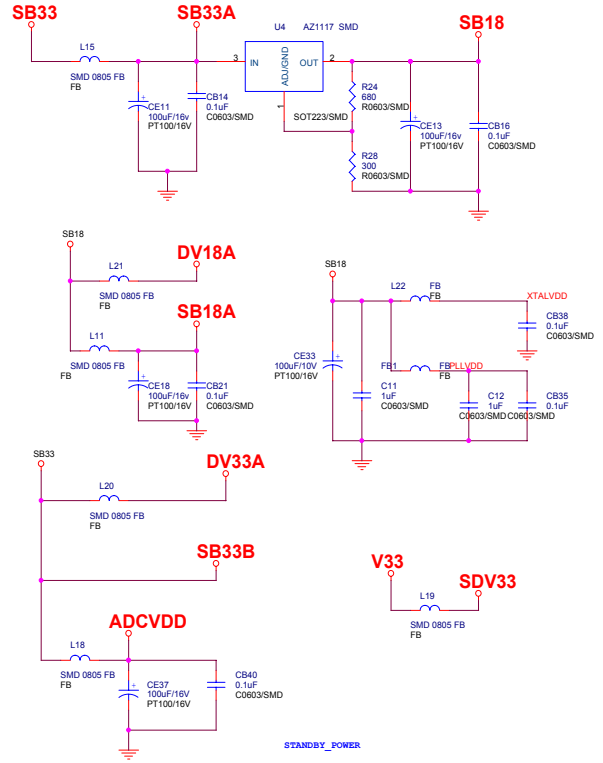
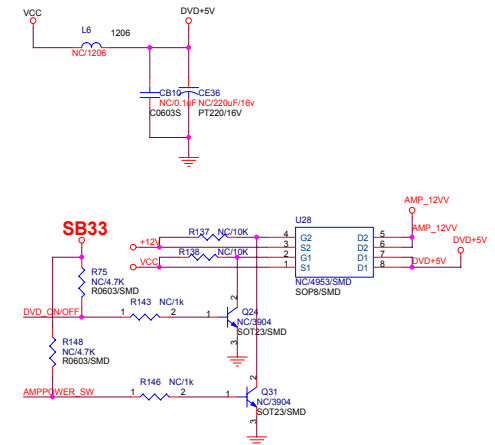


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ADC_VDD	ADC_VDD	3
XTAL_VDD	XTAL_VDD	3
PLL_VDD	PLL_VDD	3
POWER_STBY	POWER_STBY	3,9,10
AMPPOWER_SW	AMPPOWER_SW	3
DVD_ON/OFF	DVD_ON/OFF	3



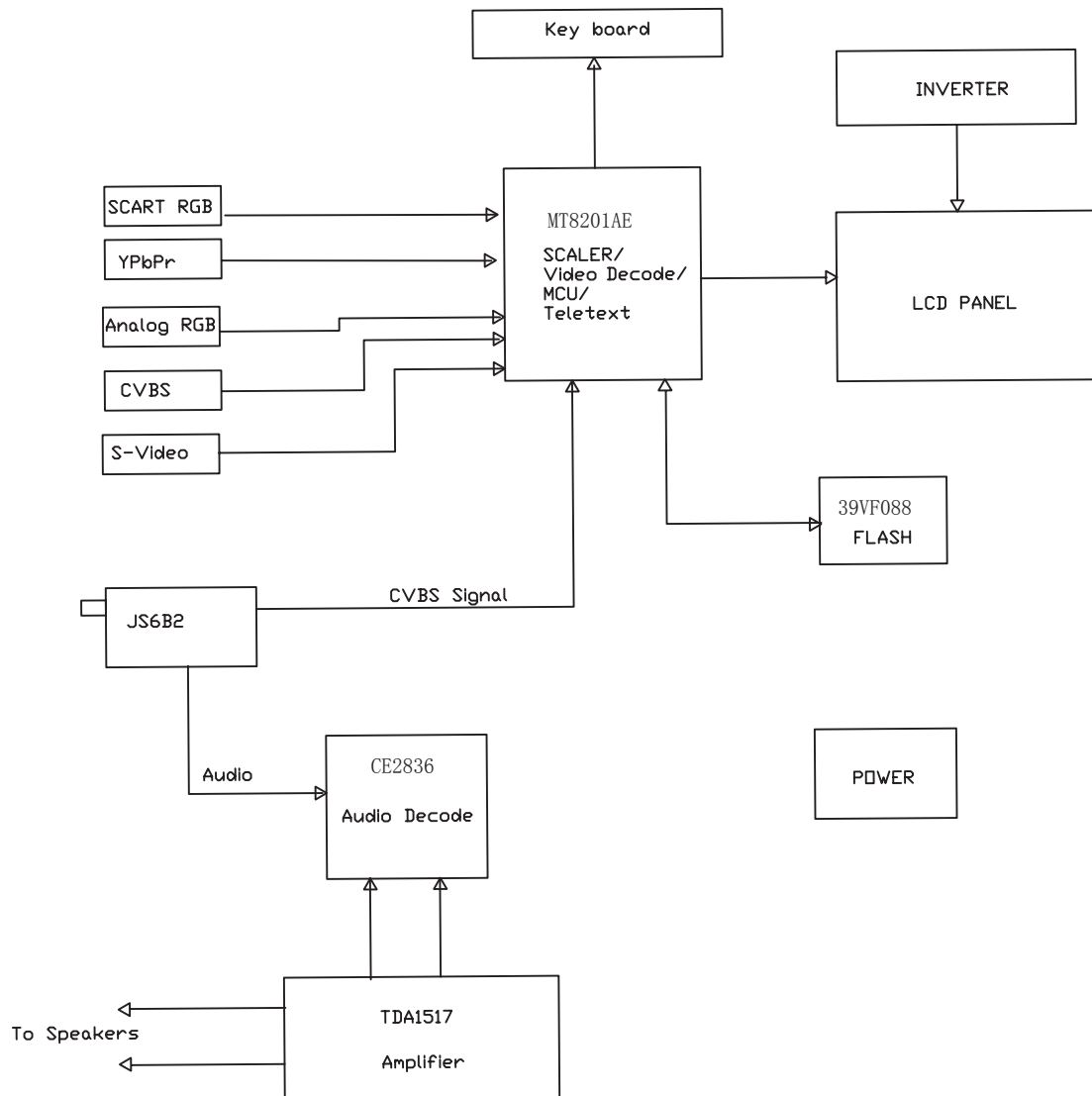
8201UP3_0 High ==> OPEN FRAME POWER OFF



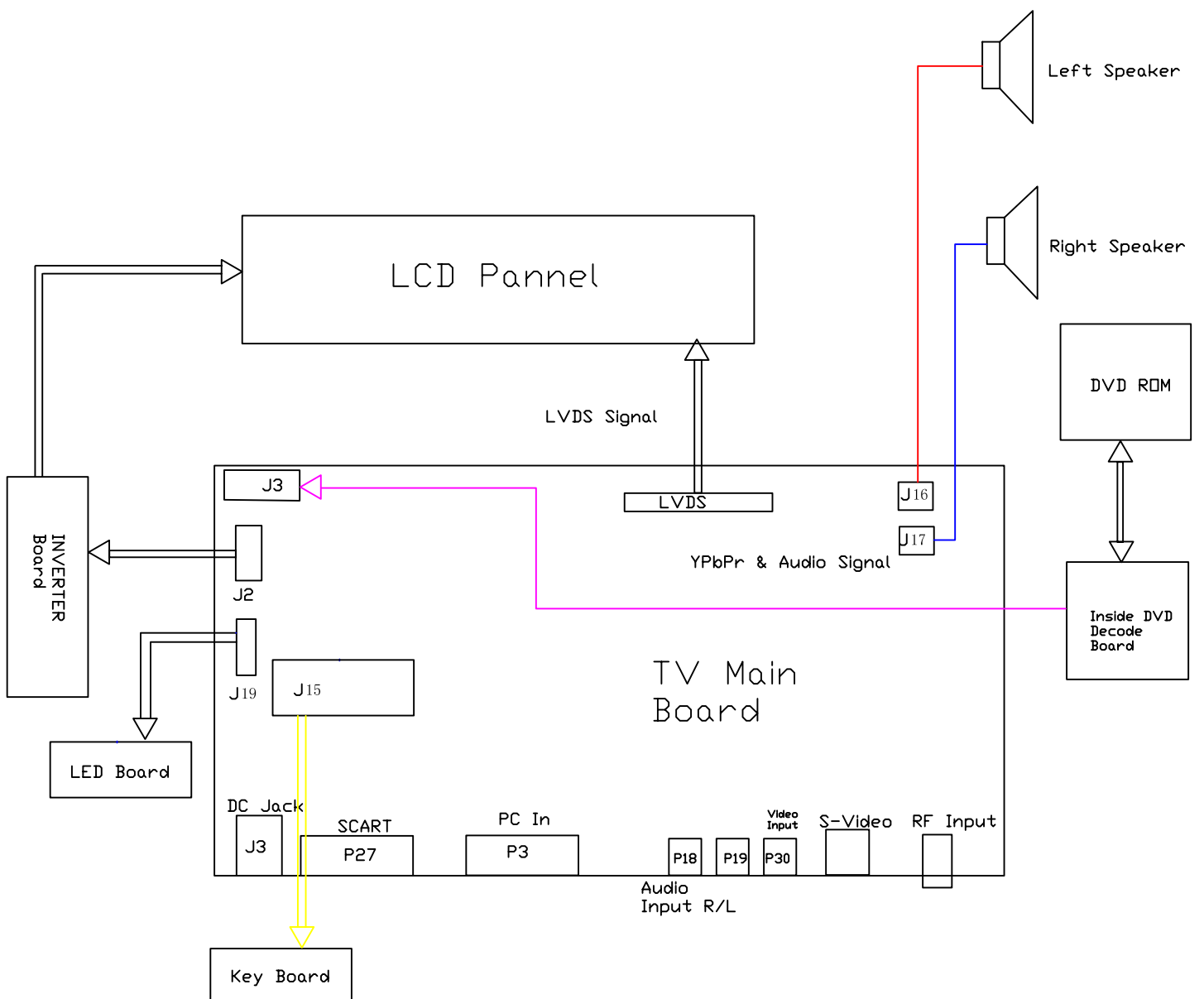
VPLLVD1 ==> VPLLVD1 3

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Schematic Circuit Diagram



MT8201 Interconection Diagram



Service Tools and Equipment

Application	Name
General	DVD testing disk
	General tools(screwdriver ect.)
	AV Cable
	S-Video Cable
	Scart Cable
Confirm	SVCD testing disk
	DVD player
	TV set
Special	Signal Generator
	Oscilloscope
	Probe
Antistatic	Antistatic Electric Iron
	Antistatic Wrist Strap
Atraumatic	Sponge Underlay