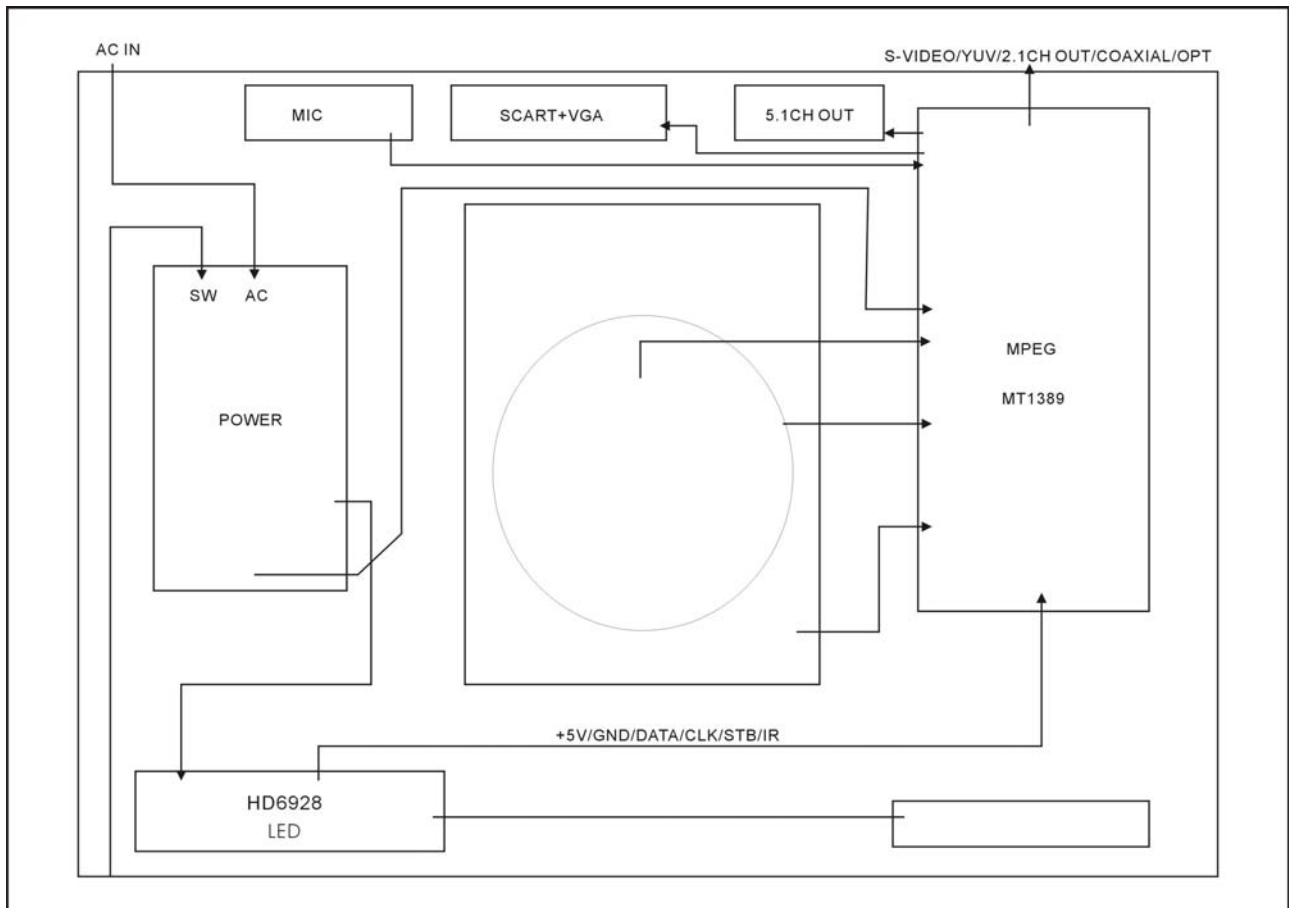


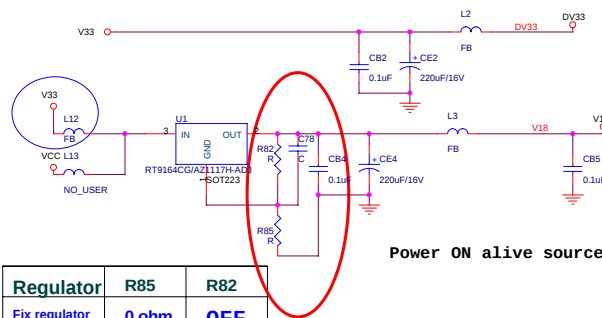
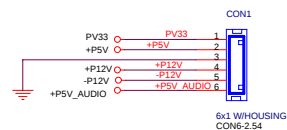


MT1389E (LQFP256) DVD Demo Board for Sanyo Slim HD60 PUH

- 1 INDEX & POWER, RESET
- 2 RF, SERVO & MPEG - MT1389E
- 3 MEMORY - SDRAM, FLASH/EEPROM
- 4 VIDEO OUT
- 5 AUDIO DAC WMA8746&WMA8720 AND AUDIO OUT

NAME	TYPE	DEVICE
VCC	Digital 5V	SUPPLY
DV33	Digital 3.3V	MT1389E
RFV33	Servo 3.3V	MT1389E
LDO_AV33	Laser Diode 3.3V	
AVCC	RF 5V	PICKUP HEADER
V18	Digital 1.8V	MT1389E
SD33	Digital 3.3V	SDRAM
+12V	Audio +12V	OP AMP.
-12V	Audio -12V	OP AMP.
AVDD	Audio 5V	Audio DAC
DVDD	Audio 3V3	Audio DAC

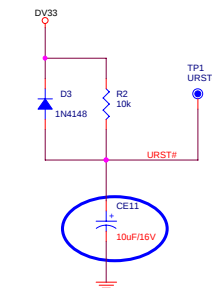
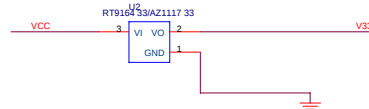
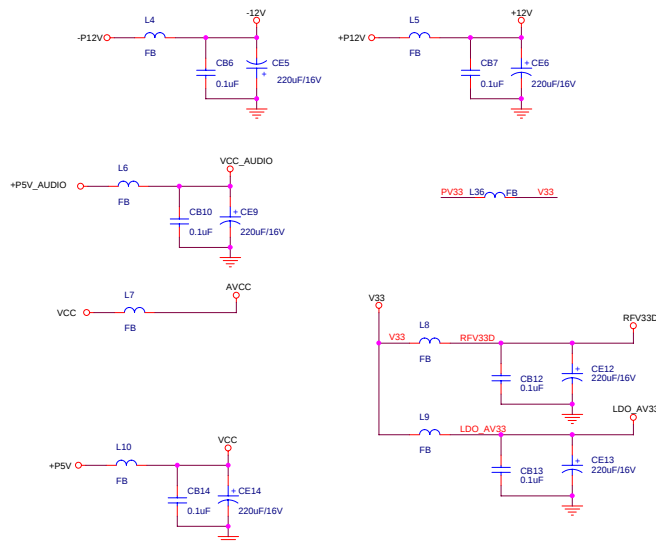
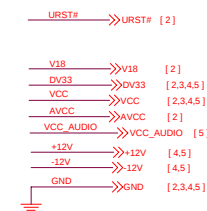
Rev	History	P#	Date
V1	The original released.		2003.6.15
V2	Change CE11 from 10uF to 100uF Change C3 from C to 220pF Change C1 from 0.1uF to C Change R10, R15 from 750k to 680k Change R17, R19 from 390k to 150k Add C74 220pF Change R37 from 0 to R Change R38 from 0 to R Change C32 from 150pF to C Change PIN 47 from LIMIT to ADIN Add CE1 10uF Change R23 from 1.5k to 1.8k Remove 74H04 Change the LIMIT signal from PIN 46 to PIN136 Change R4, R5, R6, R8, R12 from 1k to R Change the TRIMOUT pull-up power from 5V to 3V3 Add IC circuit Change R57 from 0 to 10k Add the IOW resistance output circuit Change SPDIF output port Add the Audio DAC power to reference filtering		2003.7.17
V3	Removed L12, L13, L14, L15, L16, L17 and change this power to RFV33 Change C1 from 100pF to 390pF Add USB/download connector change J1 and J4 connector direction Removed L18 and change 89V33 to DV33 Change L23 from 89V33 to DV33A Change MT1389 pin100 VSDA->VSTB and Pin101 VSTB->VSDA Change R175->R		2003.9.6
V4	Change the video output circuit Change R25 from 1K8 to 560 Change CE11 from 100uF to 10uF Change C20 from C to 0.1uF (to increase luminance SNR)		2003.9.18
V5	Change V18 power source and removed R1402 Add two resistance at the PUH connector PIN 17 and PIN 18 (concurrent for KMR18) Change power source for MT1389 PIN 65 (to improve digital audio output quality (Reduce SPDIF output jitter)) Change the Audio DAC power A_DVDD from 5V to 3.3V and R175->330 Change the power source and removed some excessent FB		2003.10.23 2003.10.23 2003.10.23 2003.10.23 2003.10.28
V5.1	VSDA Pull Up 18k Ohm 89V33 Circuit change add LPF for Servo PLVDD3		2003.12.5 2003.12.5
V6	Change the V18 Regulators from V18 to ADJ Add some 104 for power of V33_DAC		2003.12.25 2003.12.25

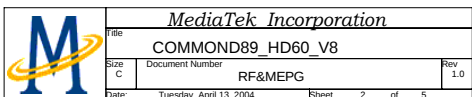


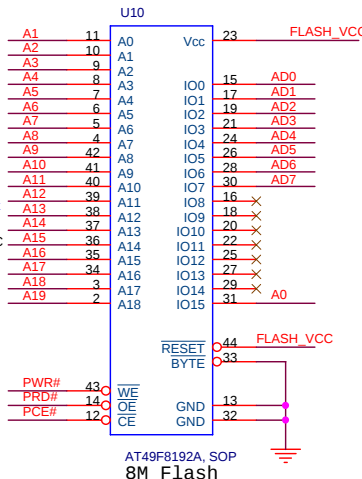
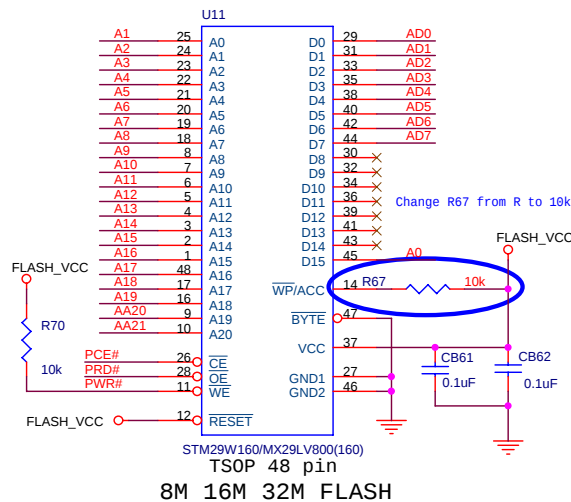
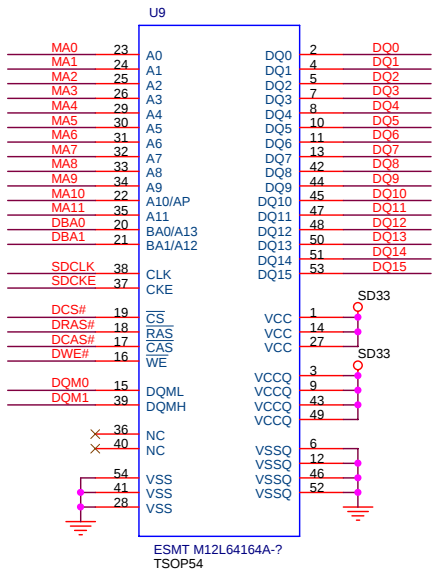
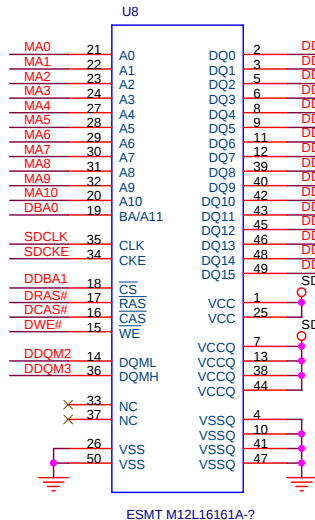
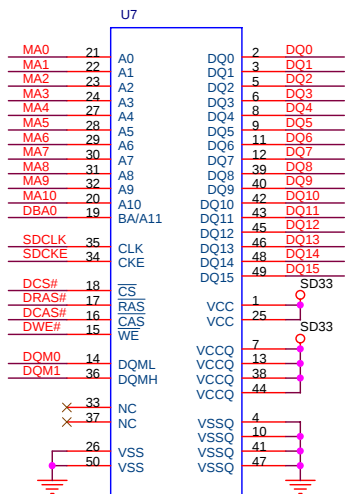
Power ON alive source

Regulator	R85	R82
Fix regulator	0 ohm	OFF
Adj regulator	300 1%	680 1%

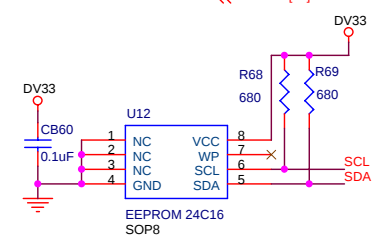
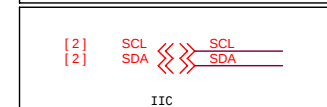
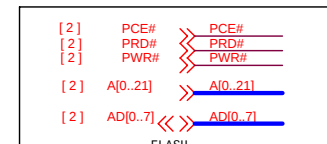
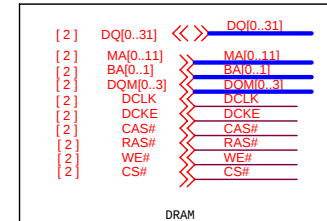
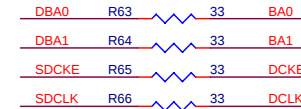
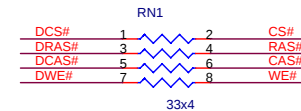
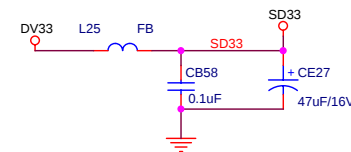
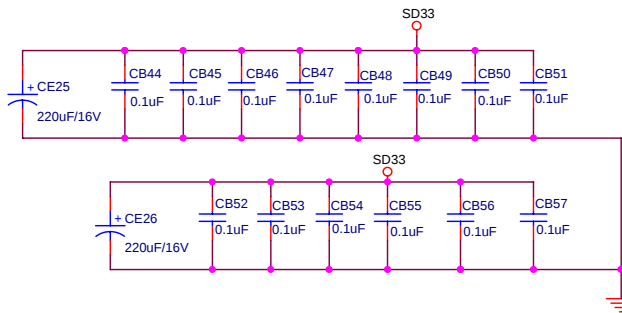
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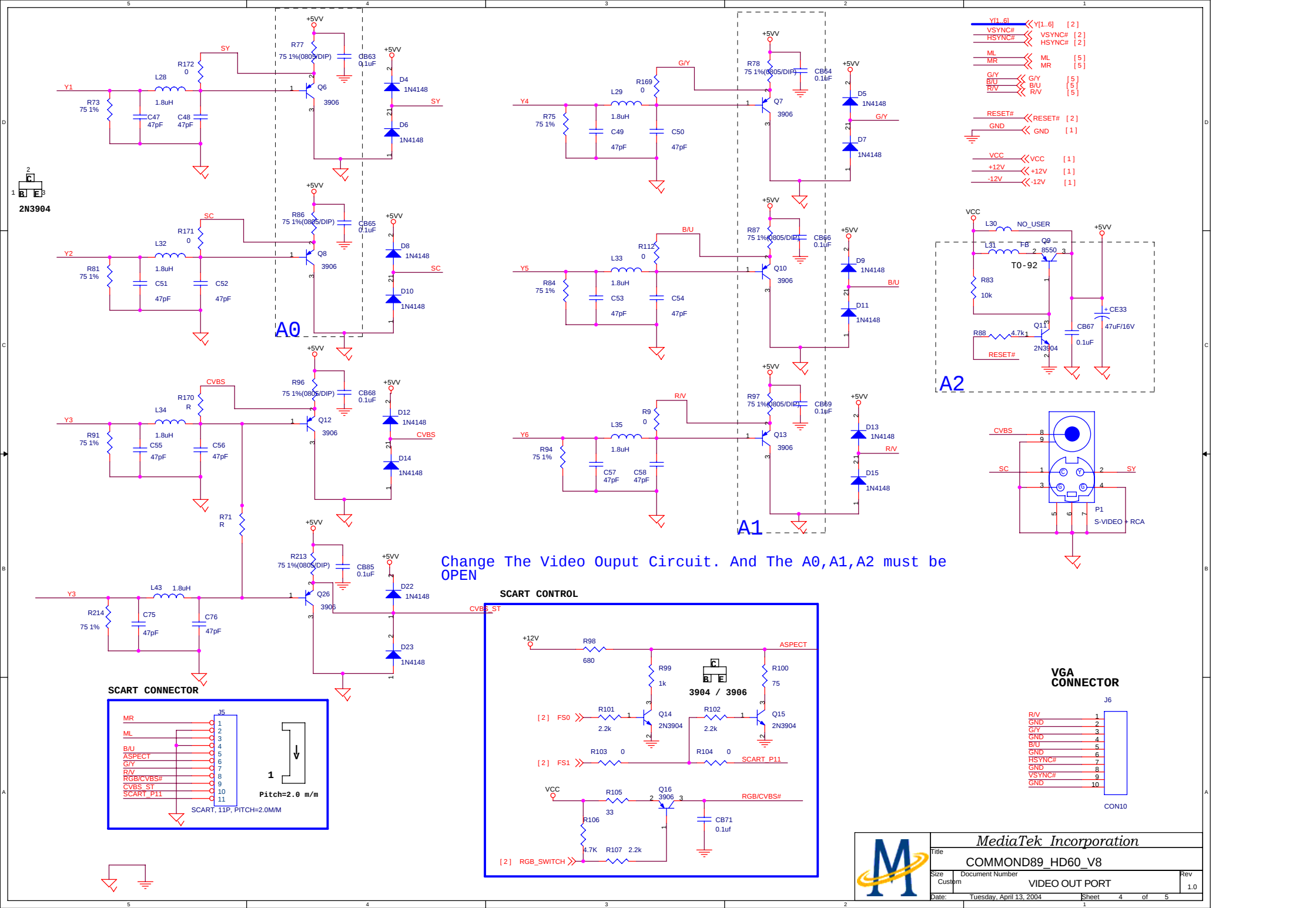


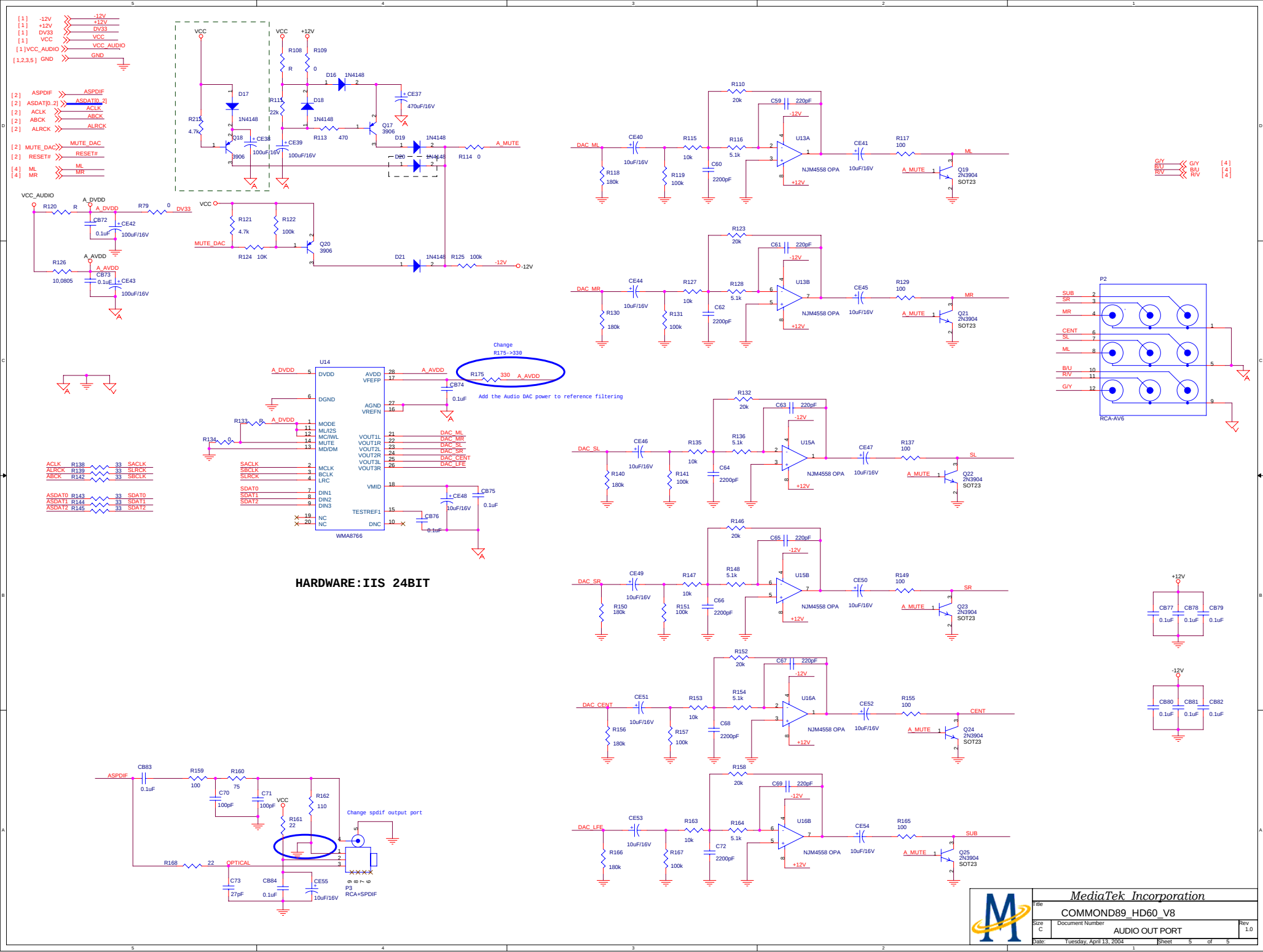




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NC:RN3.RN5.RN7.RN9.R215.R217.R219
Normalmode:use RN3.RN5.RN7.RN9.R215.R217.R219
NC:RN2.RN4.RN6.RN8.R216.R218.R220





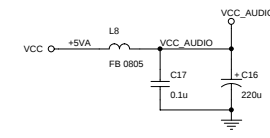
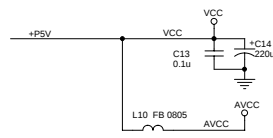
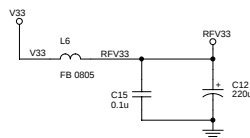
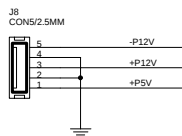
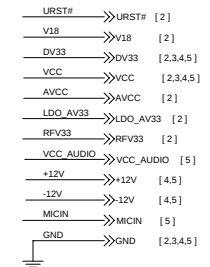
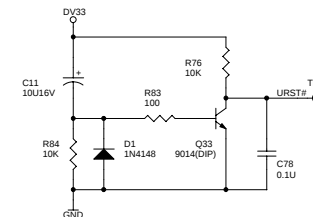
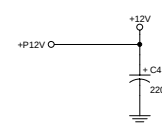
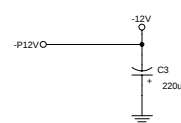
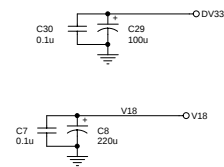


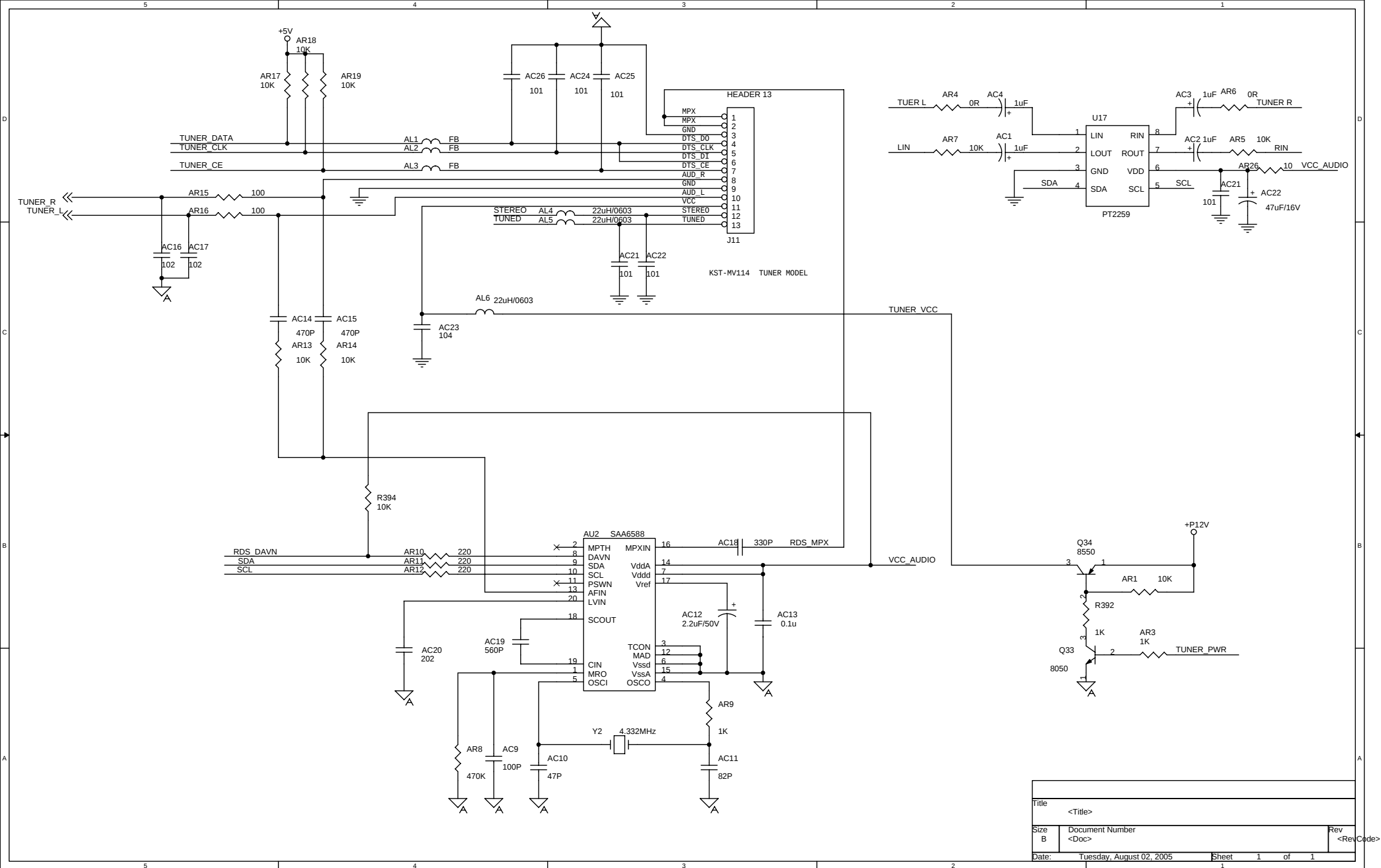
MR89DM6-11.2

MT1389DE DVD Demo Board for SANYO HD60 PUH

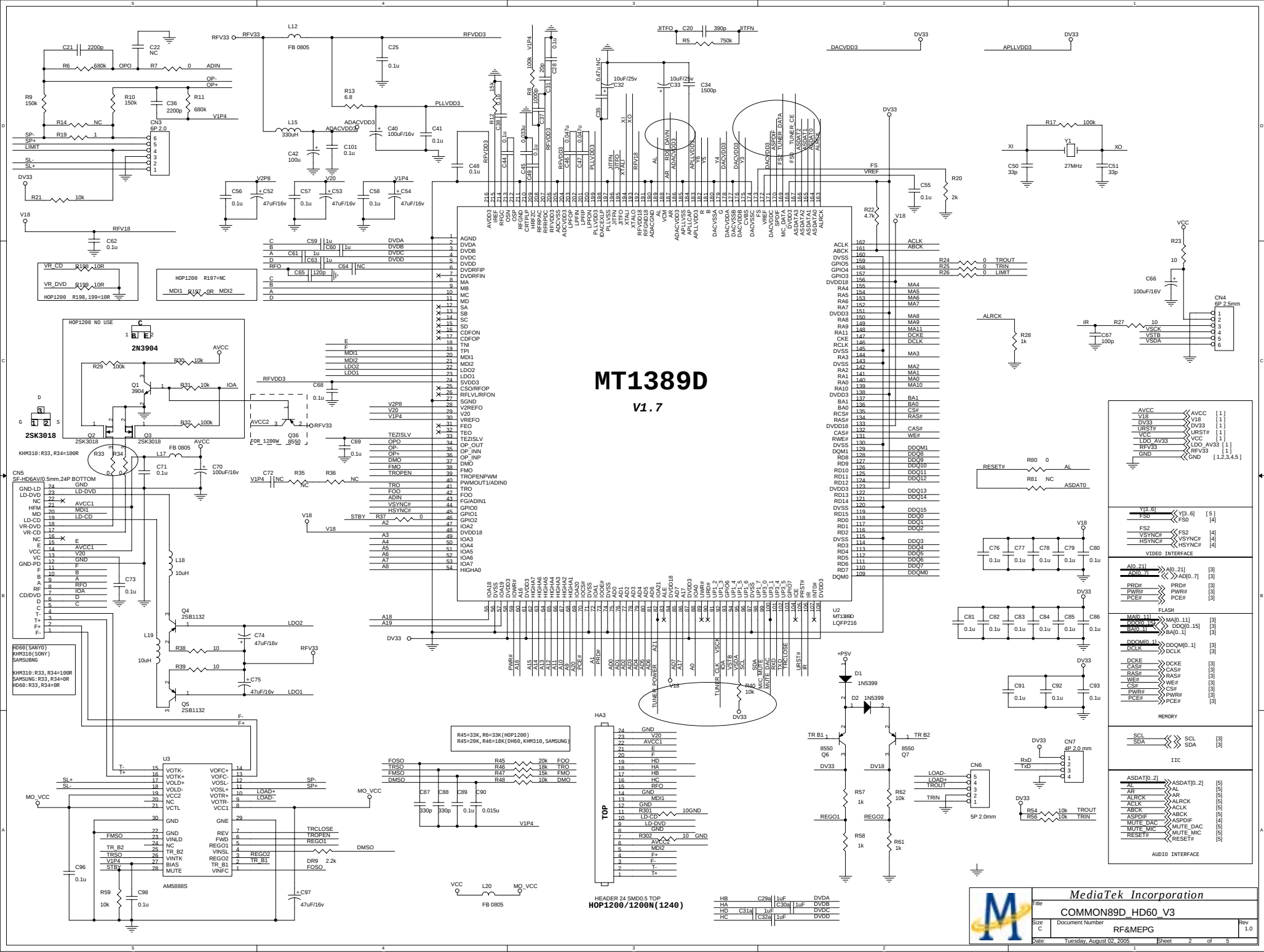
- 1 INDEX & POWER, RESET
- 2 RF / SERVO /MPEG - MT1389D
- 3 MEMORY - SDRAM, FLASH/EEPROM
- 4 VIDEO FILTER
- 5 AUDIO - CS4360, AUDIO FILTER

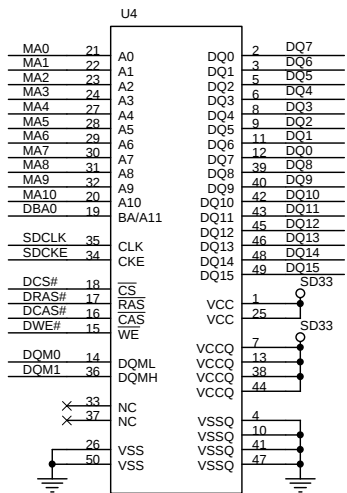
NAME	TYPE	DEVICE
VCC	Digital 5V	SUPPLY
DV33	Digital 3.3V	MT1389E
RFV33	Servo 3.3V	MT1389E
LDO_AV33	Laser Diode 3.3V	
AVCC	RF 5V	PICKUP HEADER
V18	Digital 1.8V	MT1389E
SD33	Digital 3.3V	SDRAM
+12V	Audio +12V	OP AMP.
-12V	Audio -12V	OP AMP.
AVDD	Audio 5V	Audio DAC
DVDD	Audio 5V	Audio DAC



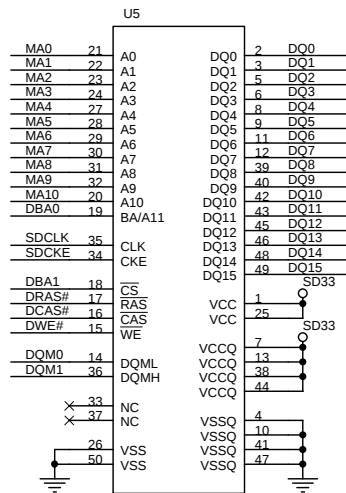


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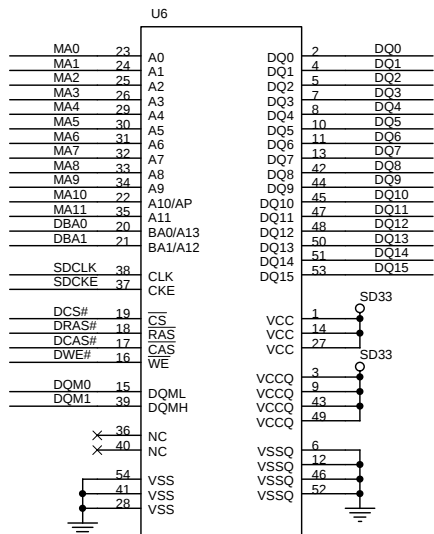




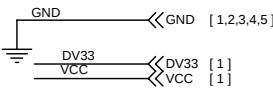
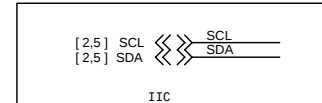
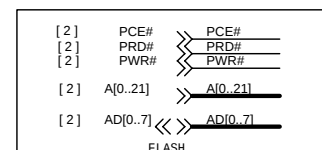
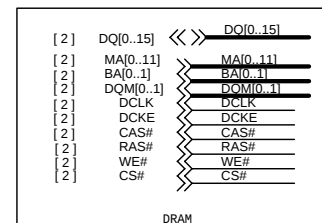
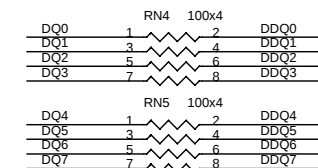
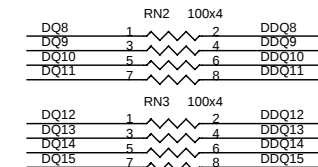
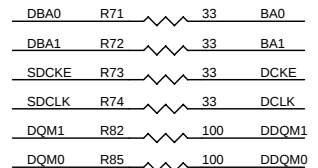
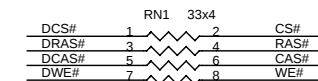
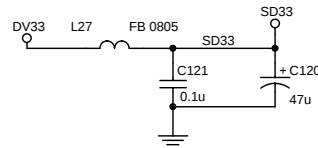
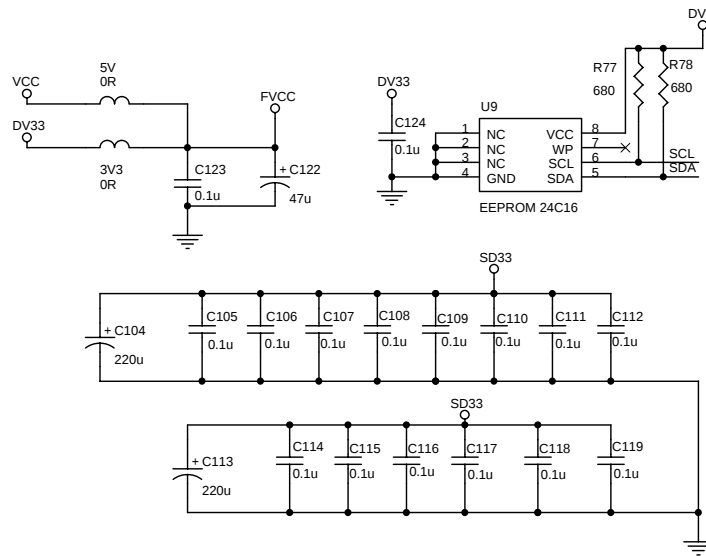
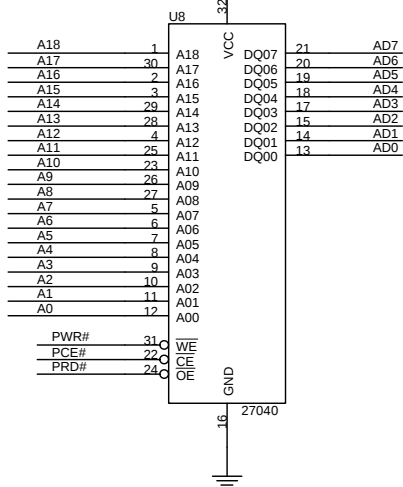
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ESMT M12L16161A-?



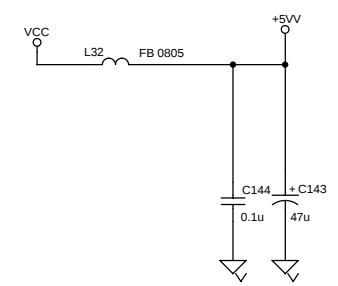
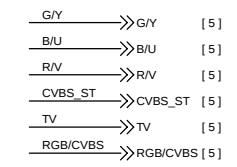
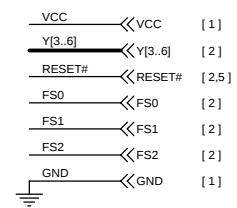
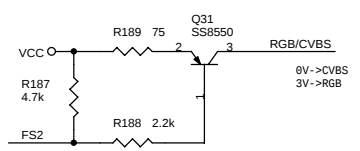
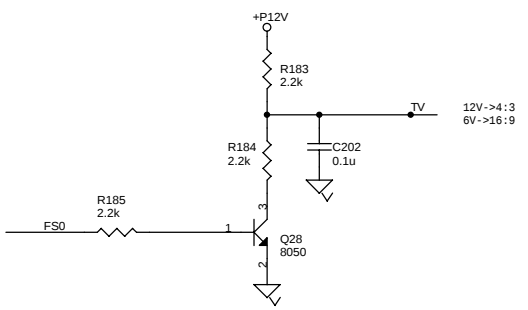
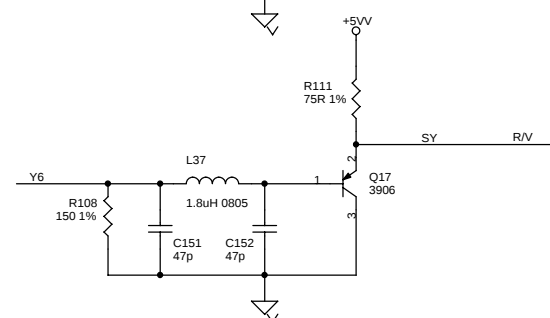
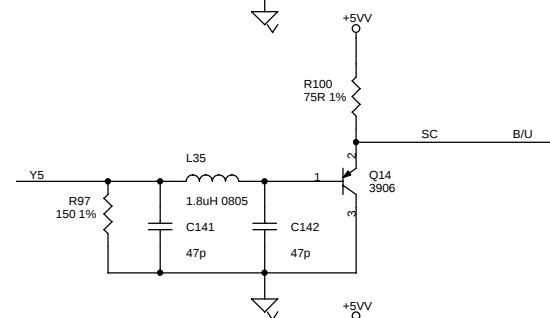
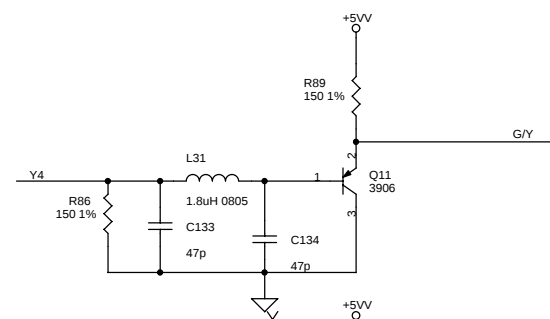
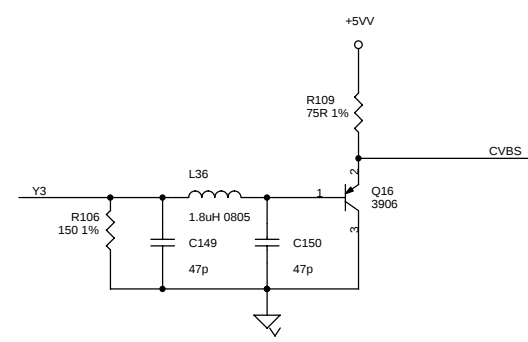
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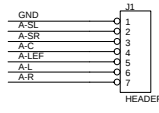
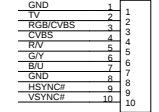
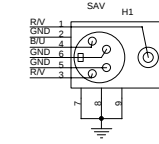
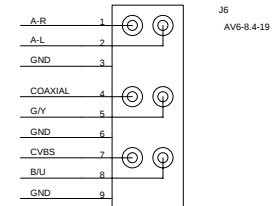
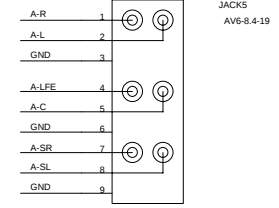
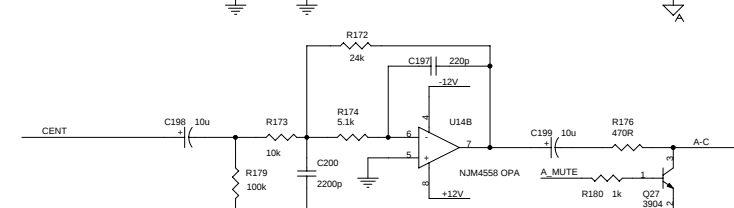
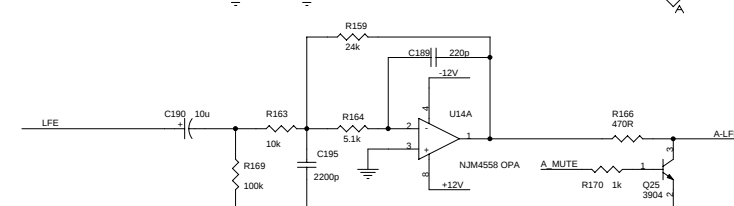
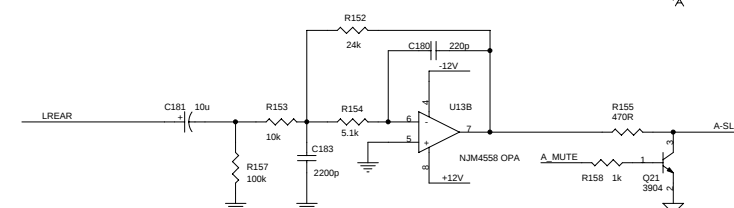
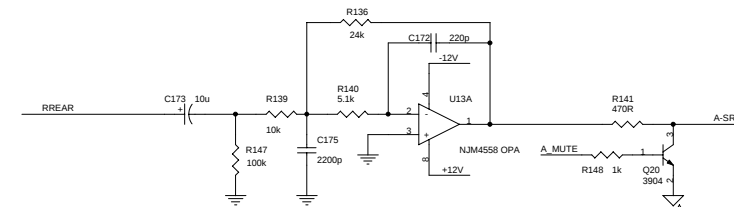
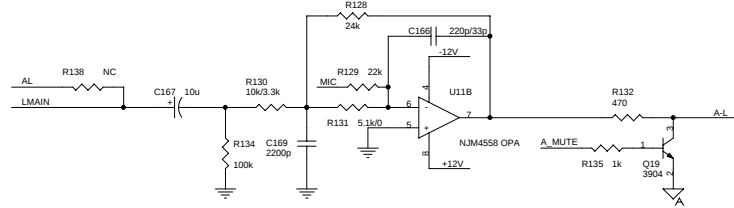
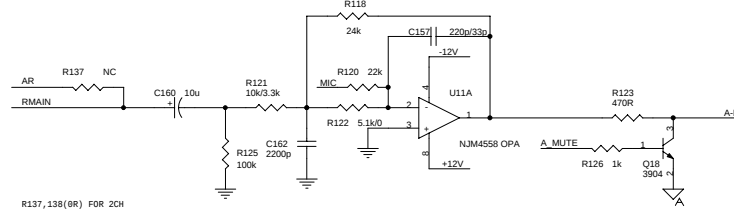
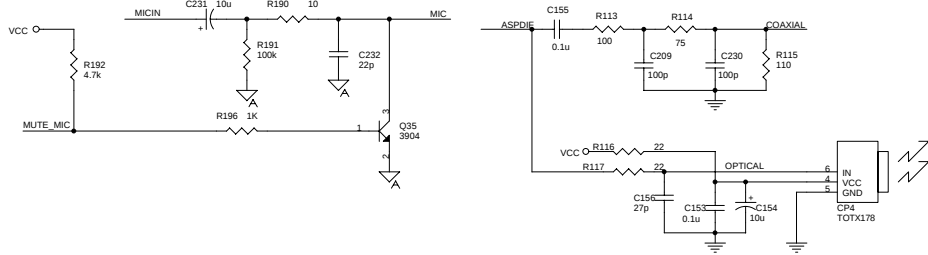
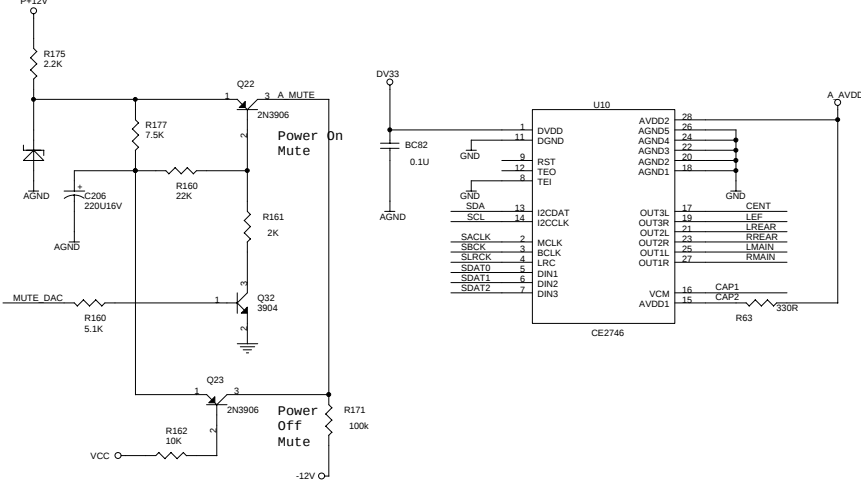
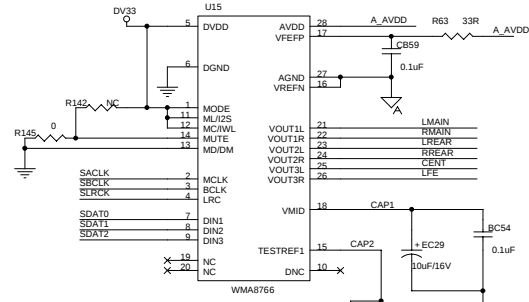
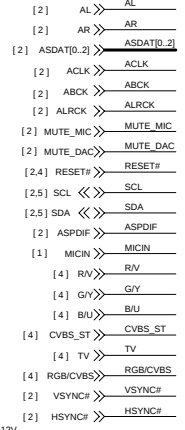
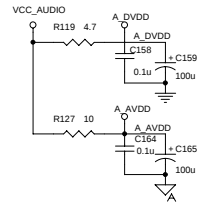
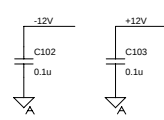
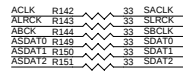
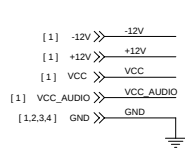


MediaTek Incorporation

COMMON89D_HD60_V3

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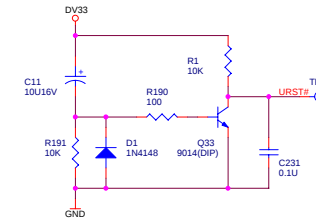
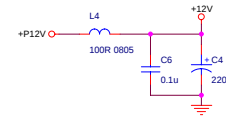
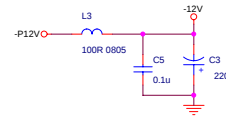


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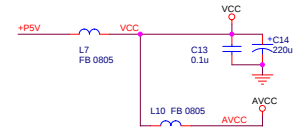
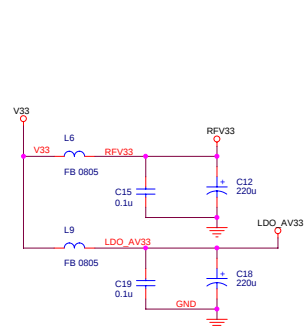
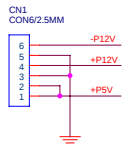
MT1389E DVD Demo Board for SANYO HD60 PUH

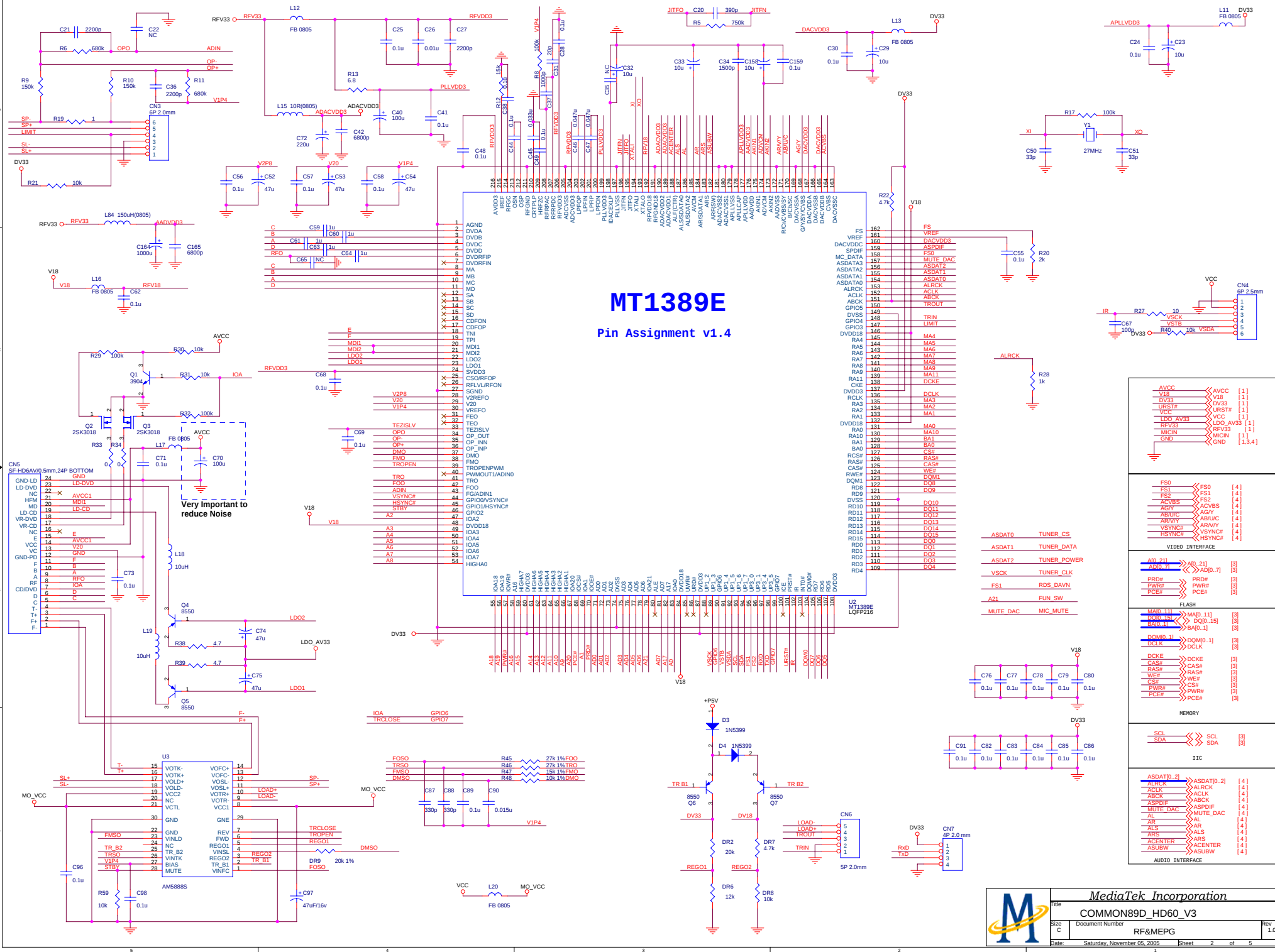
- 1 INDEX & POWER, RESET
- 2 RF / SERVO / MPEG - MT1389D
- 3 MEMORY - SDRAM, FLASH/EEPROM
- 4 VIDEO FILTER
- 5 AUDIO FILTER

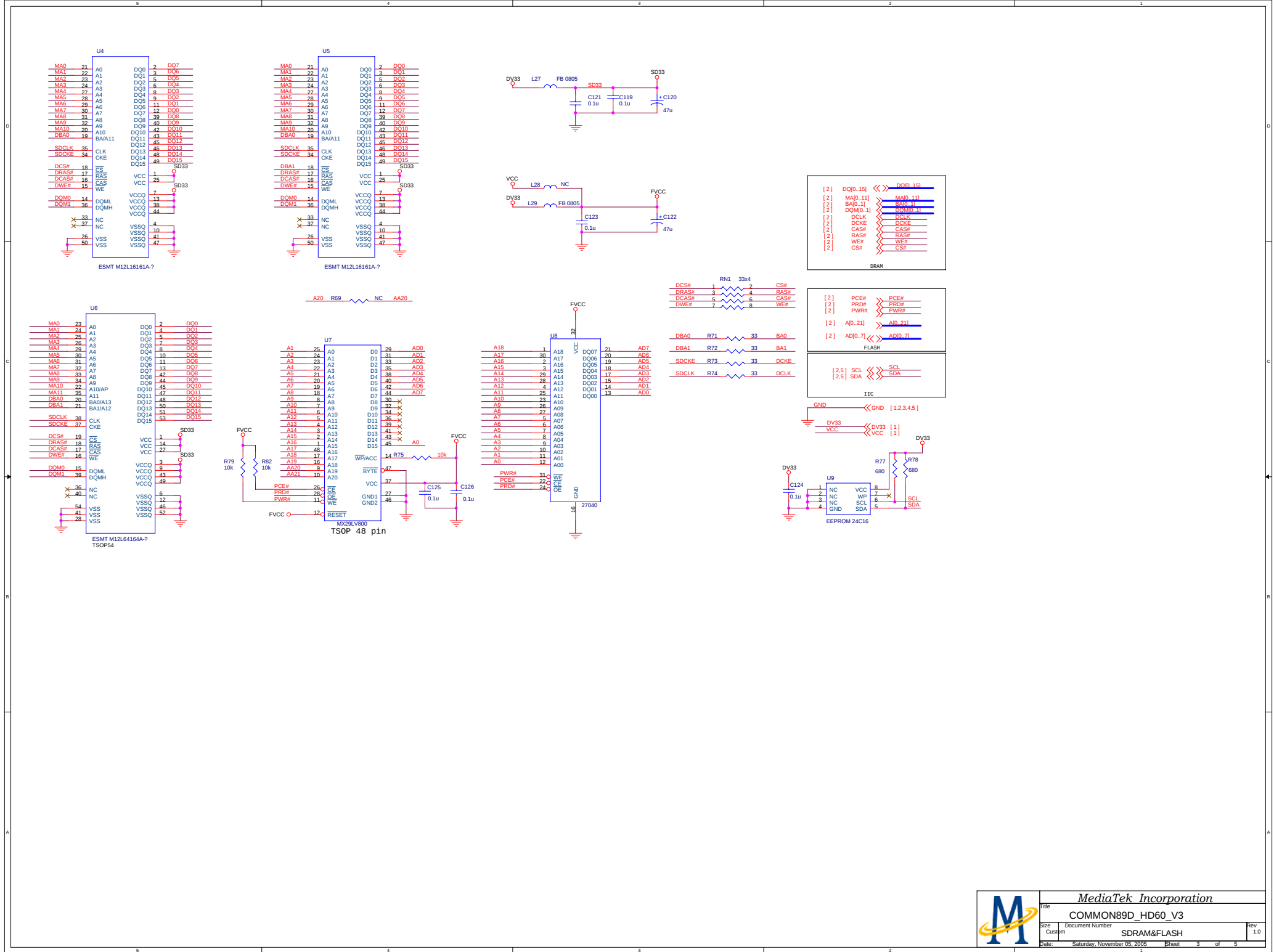
NAME	TYPE	DEVICE
VCC	Digital 5V	SUPPLY
DV33	Digital 3.3V	MT1389E
RFV33	Servo 3.3V	MT1389E
LDO_AV33	Laser Diode 3.3V	
AVCC	RF 5V	PICKUP HEADER
V18	Digital 1.8V	MT1389E
SD33	Digital 3.3V	SDRAM
+12V	Audio +12V	OP AMP.
-12V	Audio -12V	OP AMP.



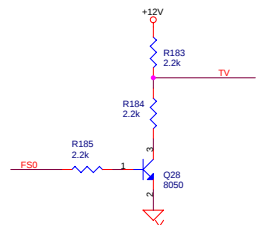
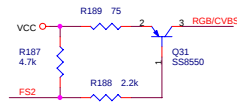
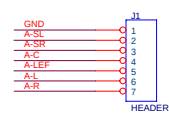
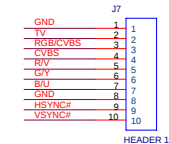
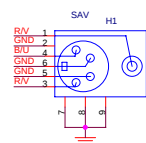
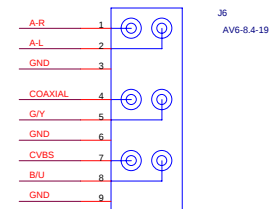
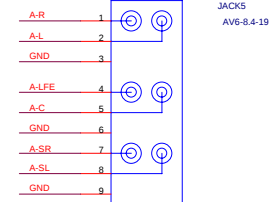
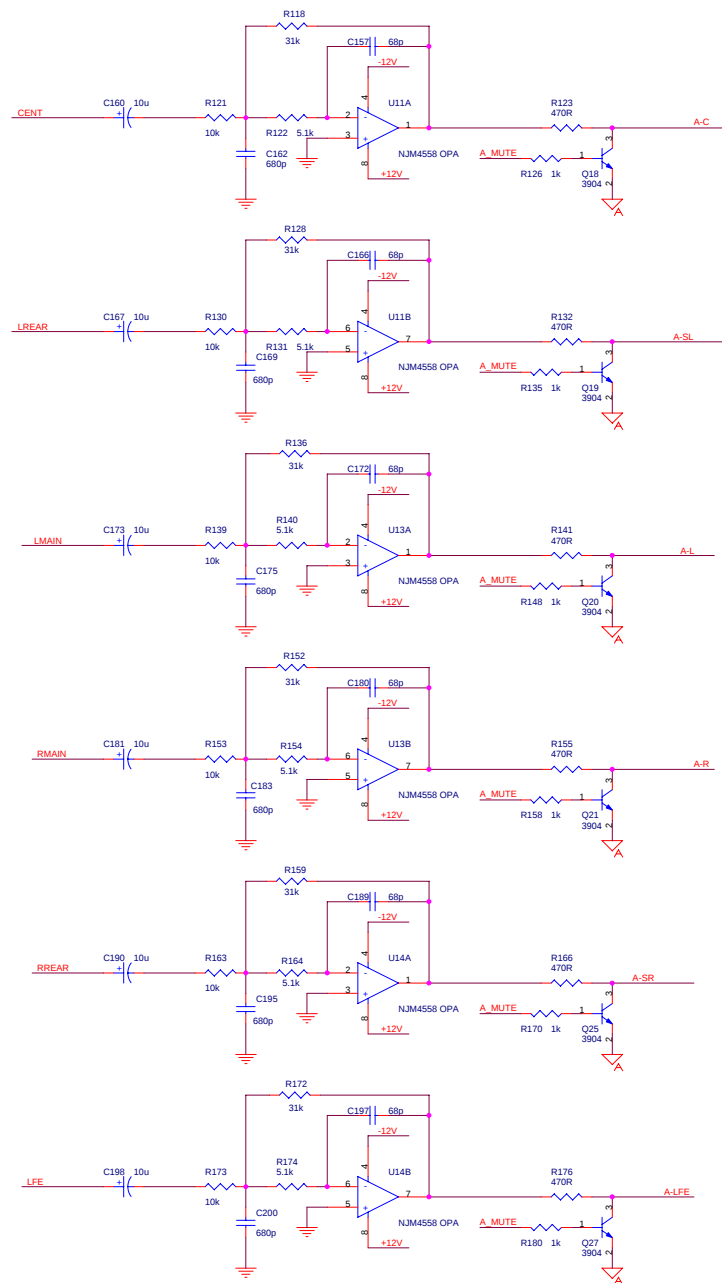
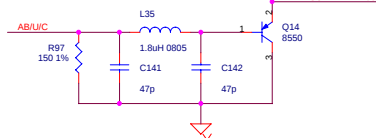
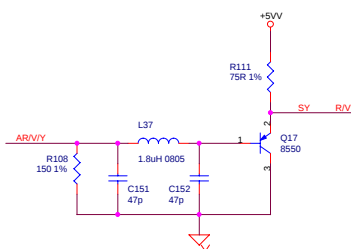
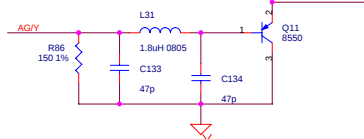
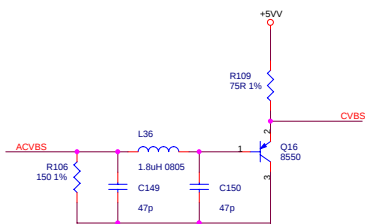
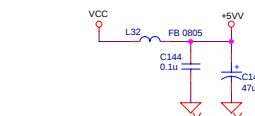
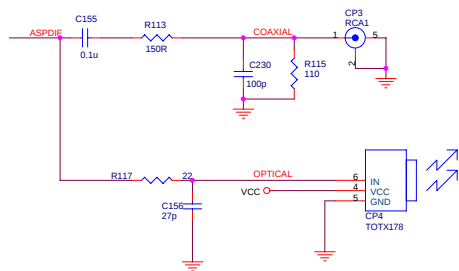
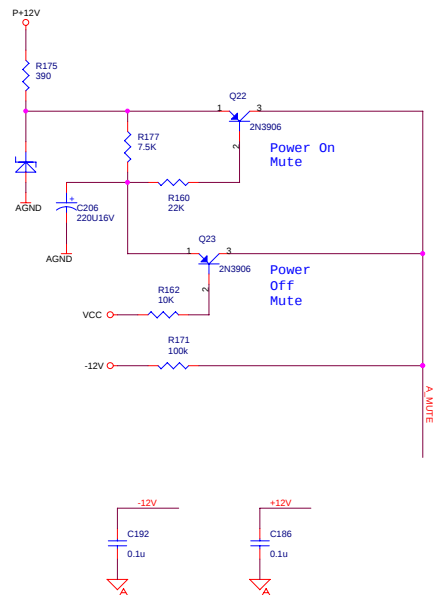
- URST# >>> URST# [2]
- V18 >>> V18 [2]
- DV33 >>> DV33 [2,3,4]
- VCC >>> VCC [2,3,4]
- AVCC >>> AVCC [2]
- LDO_AV33 >>> LDO_AV33 [2]
- RFV33 >>> RFV33 [2]
- VCC_AUDIO >>> VCC_AUDIO [4]
- +12V >>> +12V [4]
- 12V >>> -12V [4]
- MICIN >>> MICIN [2]
- GND >>> GND [2,3,4]







- [1] -12V >> -12V
 [1] +12V >> +12V
 [1] VCC >> VCC
 [1] VCC_AUDIO >> VCC_AUDIO
 [1.2.3.4] GND >> GND
- AR RMAIN
 AL LMAIN
 ARS RREAR
 ALS LREAR
 ASUBW LFE
 ACENTER CENT
- [2] ASPDIF >> ASPDIF
 [2] AL >> AL
 [2] AR >> AR
 [2] ALS >> ALS
 [2] ARS >> ARS
 [2] ACENTER >> ACENTER
 [2] ASUBW >> ASUBW
 [2] ACVBS >> ACVBS
 [2] AG/Y >> AG/Y
 [2] AB/U/C >> AB/U/C
 [2] AR/V/Y >> AR/V/Y
 [2] VSYNC# >> VSYNC#
 [2] HSYNC# >> HSYNC#
 [2] FS0 >> FS0
 [2] FS2 >> FS2



	MediaTek Incorporation		
	COMMON89D_HD60_V3		
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