

PLEASE ATTENTION: ALL THE COMPONENTS WITH THE
SYMBOL Δ MAY BE DANGEROUS IF TOUCHING.
IF IT IS ONLY FOR REFERENCE, IF CHANGING, NO NOTICE.

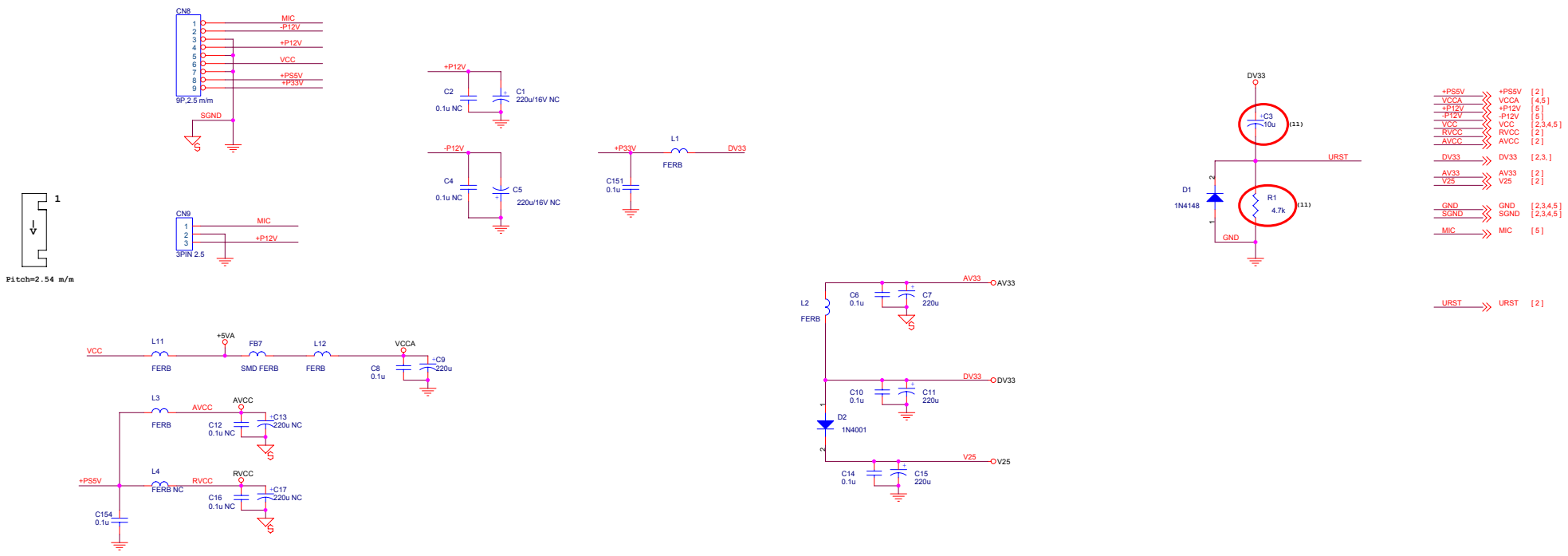
TITLE:	SDI SCHEMATIC DIAGRAM
SYSTEM:	PAL SECAM, NTSC, MUSECAM L.L.
PK:	RE-A2811-10M
DATA:	2801-1216
DRAWN BY:	
CHECKED BY:	
APPROVED BY:	

MT1379E/C (LQFP216) DVD MP Board for SANYO DV34

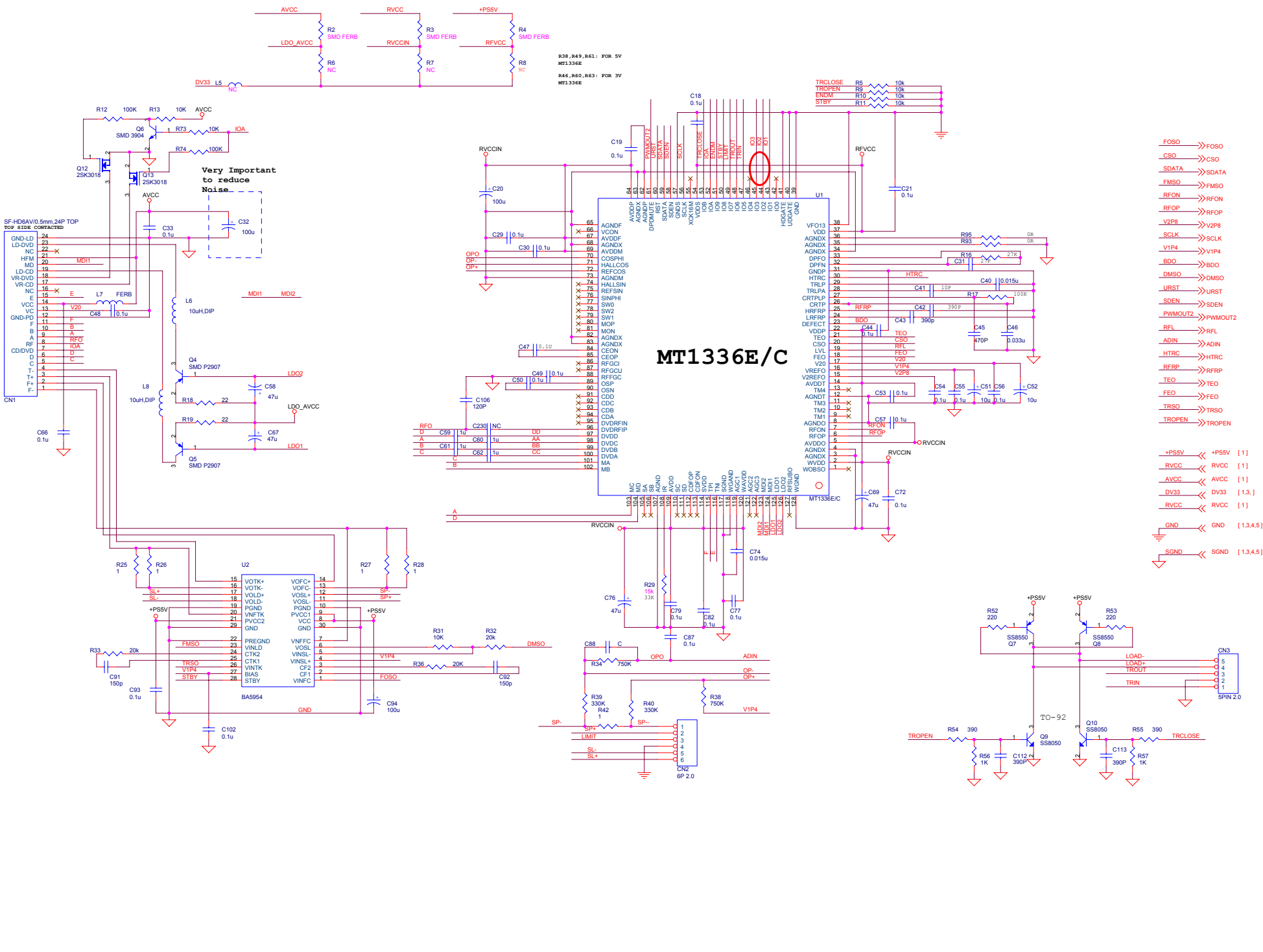
- 1 INDEX & POWER, RESET
- 2 RF / SERVO & MPEG - MT1336E / MT1379E
- 3 MEMORY - SDRAM, FLASH/EEPROM
- 4 AUDIO - AV2388/CS4340
- 5 AV FILTER.

NAME	TYPE	DEVICE
VCC	Digital 5V	SUPPLY
RVCC	Servo 5V	MT1336E
AVCC	RF 5V	PICKUP HEADER
V33	Digital 3.3V	SDRAM, Flash, VideoDAC
DV33	Digital 3.3V	MT1379E
AV33	Servo 3.3V	MT1379E
V25	Digital 2.5V	MT1379E
+5VA	Audio 5V	Audio DAC
+3VV	Video 3.3V	Video DAC
+5VV	Video 5V	Video DAC
+12V	Audio 12V	Audio filter

NAME	TYPE
GND	Digital Ground
SGND	Servo Analog Ground
AGND	Audio Ground
VGND	Video Ground



- +P5SV >>> +P5SV [2]
- VCCA >>> VCCA [4,5]
- +P12V >>> +P12V [5]
- P12V >>> -P12V [5]
- VCC >>> VCC [2,3,4,5]
- RVCC >>> RVCC [2]
- AVCC >>> AVCC [2]
- DV33 >>> DV33 [2,3]
- AV33 >>> AV33 [2]
- V25 >>> V25 [2]
- GND >>> GND [2,3,4,5]
- SGND >>> SGND [2,3,4,5]
- MIC >>> MIC [5]
- URST >>> URST [2]



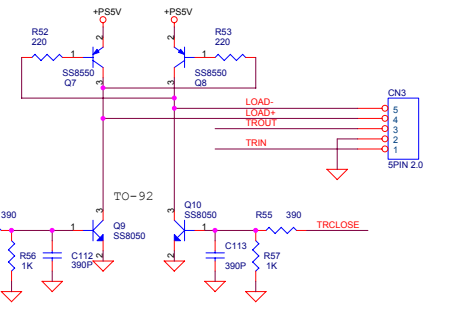
R38, R49, R61: FOR 5V
 MT1336E
 R46, R60, R63: FOR 3V
 MT1336E

MT1336E/C

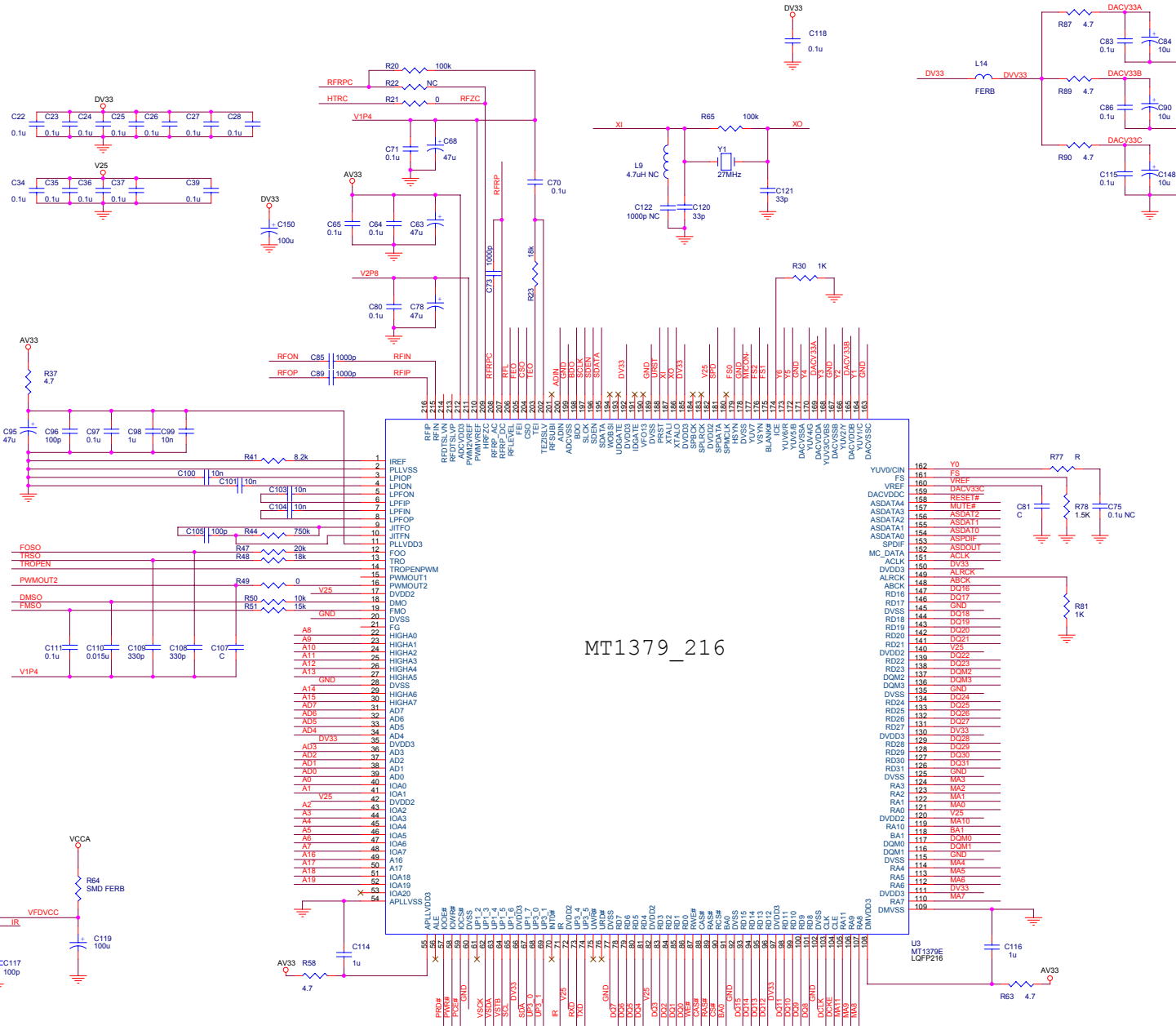
65	AGNDF	65	MC
66	VCON	66	SA
67	AVDF	67	SA
68	AGNDX	68	IR
69	AVDM	69	DD
70	COSPH	70	SD
71	HALLCOS	71	SD
72	REFCOS	72	SD
73	AGNDM	73	SD
74	HALLSIN	74	SD
75	REFSIN	75	SD
76	SINPHI	76	SD
77	SW2	77	SD
78	SWZ	78	SD
79	SW1	79	SD
80	MOP	80	SD
81	MON	81	SD
82	CEOP	82	SD
83	CEON	83	SD
84	AGNDX	84	SD
85	REFGCI	85	SD
86	REFGCI	86	SD
87	REFGCI	87	SD
88	REFGCI	88	SD
89	OSP	89	SD
90	OSN	90	SD
91	CDD	91	SD
92	CDC	92	SD
93	CDB	93	SD
94	CDA	94	SD
95	DVDRFIN	95	SD
96	DVDRFIN	96	SD
97	DVDD	97	SD
98	DVDC	98	SD
99	DVDB	99	SD
100	DVDA	100	SD
101	MA	101	SD
102	MB	102	SD
103	WOBSSO	103	SD
104	WOBSSO	104	SD
105	WOBSSO	105	SD
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146	WOBSSO	146	SD
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149	WOBSSO	149	SD
150	WOBSSO	150	SD

- FOSO >>> FOSO
- CSO >>> CSO
- SDATA >>> SDATA
- FMSO >>> FMSO
- RFON >>> RFON
- RFP0 >>> RFP0
- V2P8 >>> V2P8
- SCLK >>> SCLK
- V1P4 >>> V1P4
- BDO >>> BDO
- DMSO >>> DMSO
- URST >>> URST
- SDEN >>> SDEN
- PWMOUT2 >>> PWMOUT2
- RFL >>> RFL
- ADIN >>> ADIN
- HTRC >>> HTRC
- RFRP >>> RFRP
- FEO >>> FEO
- TRSO >>> TRSO
- TROPEN >>> TROPEN

- +PSSV <<< +PSSV [1]
- RVCC <<< RVCC [1]
- AVCC <<< AVCC [1]
- DV33 <<< DV33 [1,3]
- RVCC <<< RVCC [1]
- GND <<< GND [1,3,4,5]
- SGND <<< SGND [1,3,4,5]



- [2] FOSO >> FOSO
- [2] CSO >> CSO
- [2] SDATA >> SDATA
- [2] FMSO >> FMSO
- [2] RFON >> RFON
- [2] RFOP >> RFOP
- [2] V2P8 >> V2P8
- [2] SCLK >> SCLK
- [2] VIP4 >> VIP4
- [2] BDO >> BDO
- [2] DMSO >> DMSO
- [2] URST >> URST
- [2] SDEN >> SDEN
- [2] PWMOUT2 >> PWMOUT2
- [2] RFL >> RFL
- [2] ADIN >> ADIN
- [2] HTRC >> HTRC
- [2] RFRP >> RFRP
- [2] TEO >> TEO
- [2] FEO >> FEO
- [2] TRSO >> TRSO
- [2] TROPEN >> TROPEN



MT1379_216

- +PSBV >> +PSV [1]
- VCC >> VCC [1,3,4,5]
- RVCC >> RVCC [1]
- AVCC >> AVCC [1]
- AV33 >> AV33 [1]
- V25 >> V25 [1]
- DV33 >> DV33 [1,3,4]
- GND >> GND [1,3,4,5]
- SGND >> SGND [1,3,4,5]

- MUTE# >> MUTE# [4]
- MICON >> MICON [5]
- RESET# >> RESET# [5]
- FS0 >> FS0 [5]
- FS2 >> FS2 [5]

- URST >> URST [1]
- Y1_6I >> Y1-6 [4]

- ASPDIF >> ASPDIF [5]
- ACLK >> ACLK [4]
- ALRCK >> ALRCK [4]
- ABCK >> ABCK [4]
- ASDAT0 >> ASDAT0 [4]
- ASDAT1 >> ASDAT1 [4]
- ASDAT2 >> ASDAT2 [4]
- ASDOOT >> ASDOOT [4]

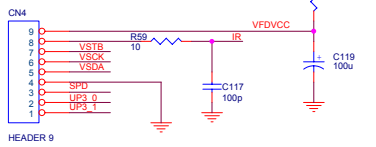
- AD0_19I >> AD0_19 [3]
- AD00_7I >> AD00_7 [3]
- PRD# >> PRD# [3]
- PWR# >> PWR# [3]
- PCE# >> PCE# [3]

- MA0_14I >> MA0_14 [3]
- BA0_1I >> BA0_1 [3]
- DQ0_31I >> DQ0_31 [3]
- DQM0_3I >> DQM0_3 [3]

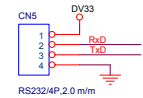
- RAS# >> RAS# [3]
- CAS# >> CAS# [3]
- CS# >> CS# [3]
- WE# >> WE# [3]
- DCLK >> DCLK [3]
- DCKE >> DCKE [3]

- SCL >> SCL [3,4]
- SDA >> SDA [3,4]

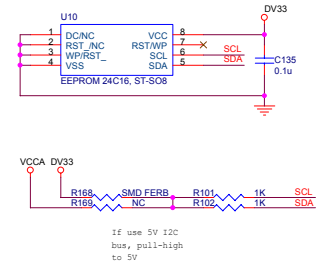
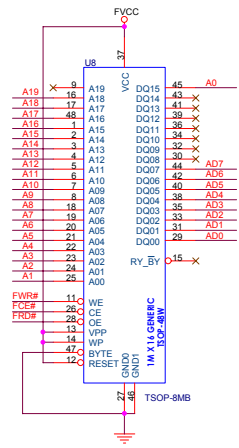
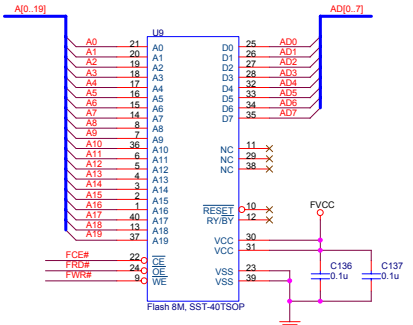
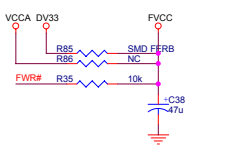
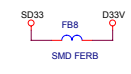
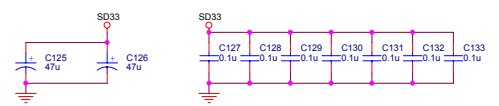
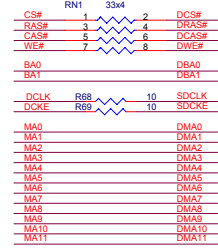
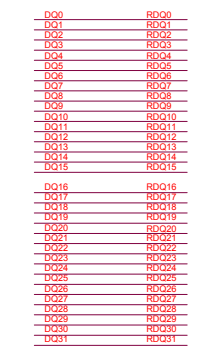
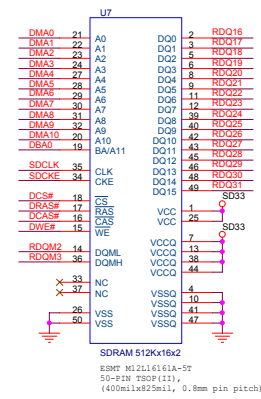
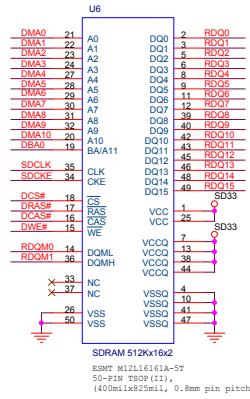
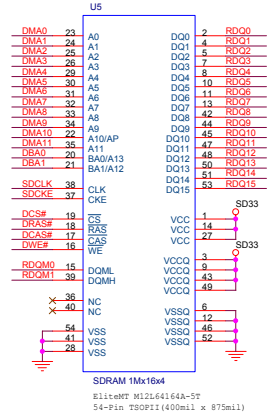
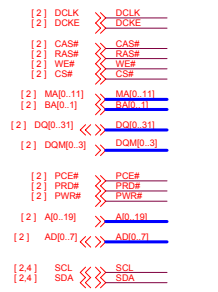
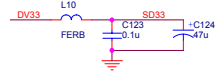
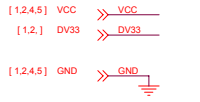
TO FRONT PANEL



HEADER 9

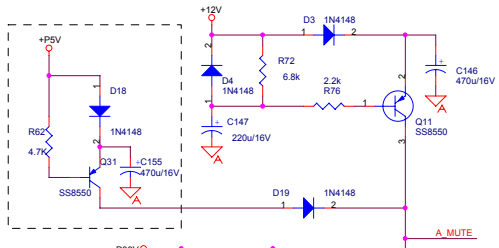
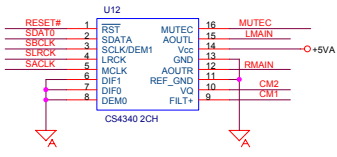
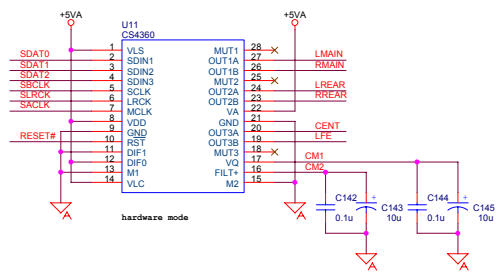
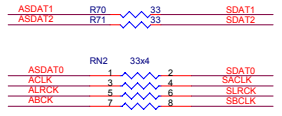


RS232/4P.2.0 mm

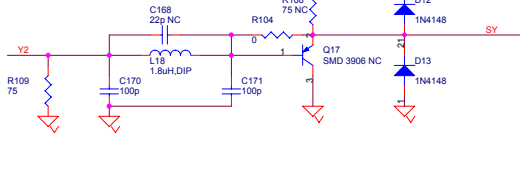
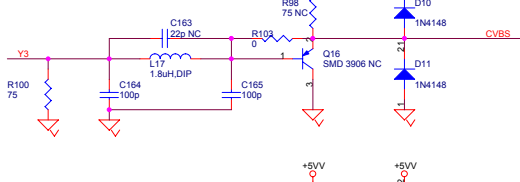
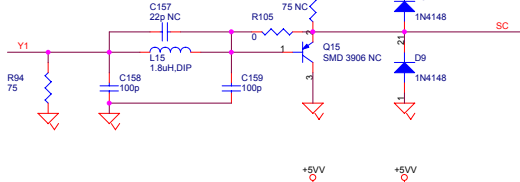
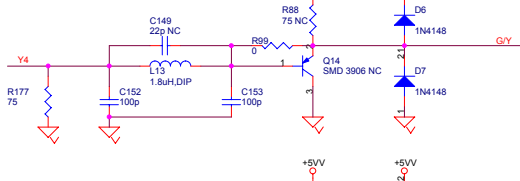
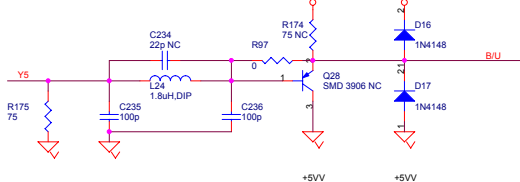
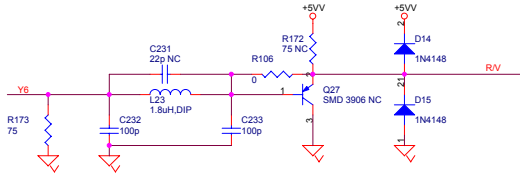
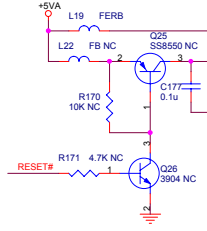
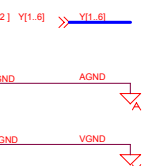


If use 5V I2C bus, pull-high to 5V

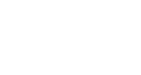
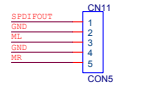
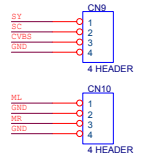
- [1,4] VCCA >> VCCA
- [1,2,3,5] VCC >> VCC
- [1,2,3,5] GND >> GND
- [1,5] +P12V >> +P12V
- [5] +12V >> +12V
- [5] -12V >> -12V
- [2] ASPDIF >> ASPDIF



- [2,3] SCL >> SCL
- [2,3] SDA >> SDA
- [2] ACLK >> ACLK
- [2] ARCK >> ARCK
- [2] ALRCK >> ALRCK
- [2] ASDATA0 >> ASDATA0
- [2] ASDATA1 >> ASDATA1
- [2] ASDATA2 >> ASDATA2
- [2] ASDOUT >> ASDOUT



- MICIN >> MICIN [5]
- TV >> TV [5]
- CVBS/RGB >> CVBS/RGB [5]
- CVBS >> CVBS [5]
- SY >> SY [5]
- SC >> SC [5]
- RV >> RV [5]
- GY >> GY [5]
- BIU >> BIU [5]
- VGND >> VGND [1,2,3,5]
- RMAIN >> RMAIN [5]
- LMMAIN >> LMMAIN [5]
- LFE >> LFE [5]
- CENTER >> CENTER [5]
- RREAR >> RREAR [5]
- LREAR >> LREAR [5]
- A_MUTE >> A_MUTE [5]
- AGND >> AGND [1,2,3,5]

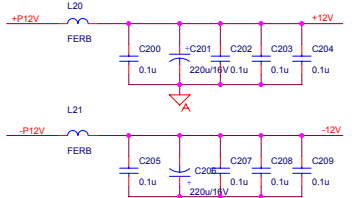


- [1,4] VCCA >> VCCA
- [1] -P12V >> -P12V
- [1] +P12V >> +P12V
- [4] +12V >> +12V
- [4] -12V >> -12V
- [4] RMAIN >> RMAIN
- [4] LMAIN >> LMAIN
- [4] LFE >> LFE
- [4] CENTER >> CENTER
- [4] RREAR >> RREAR
- [4] LREAR >> LREAR
- [4] MICIN >> MICIN

- [4] A_MUTE >> A_MUTE
- [1,2,3,4] AGND >> AGND

- [4] CVBS >> CVBS
- [4] SY >> SY
- [4] SC >> SC
- [4] RV >> RV
- [4] GY >> GY
- [4] BU >> BU

- [1,3,4,5] VCC >> VCC
- [1,2,3,4] VGND >> VGND
- [1] MIC >> MIC
- [2] MICON >> MICON
- [4] TV >> TV
- [4] CVBS/RGB >> CVBS/RGB



- [1,2,3,5] GND >> GND

