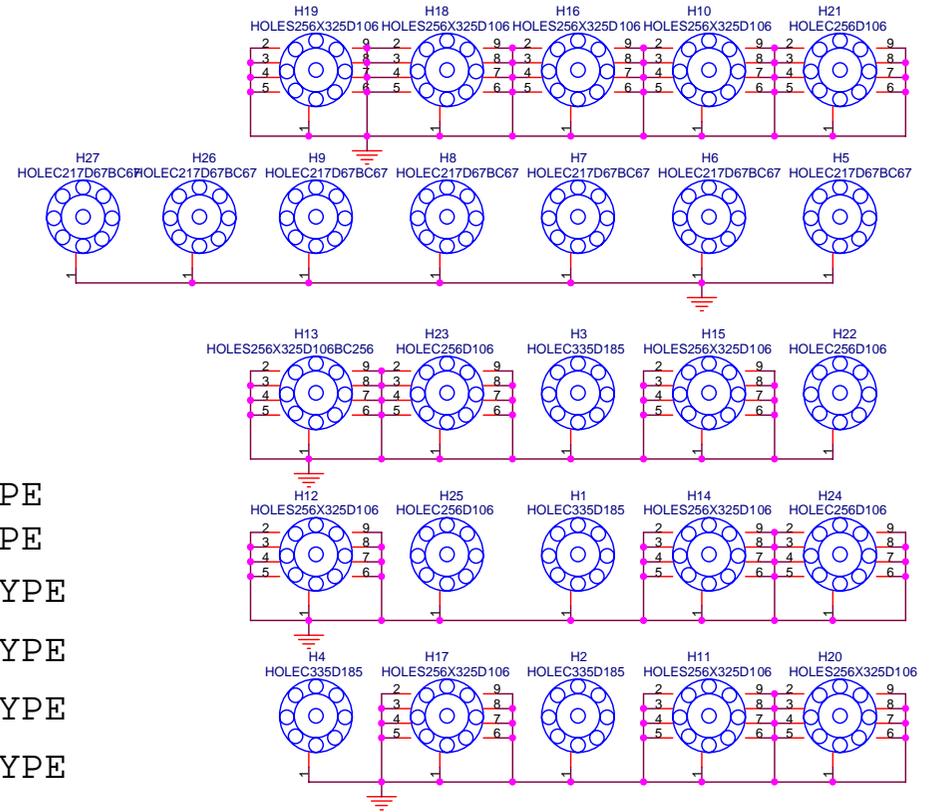


- 01:G730 M/B
- 02:CPU_IO
- 03:CPU_POWER
- 04:MCH-1
- 05:MCH-2
- 06:SO-DIMM
- 07:VGA_MEM
- 08:VGA_IO
- 09:VGA_POWER
- 10:CHANNEL A
- 11:CHANNEL B
- 12:ICH2-1
- 13:ICH2-2
- 14:MINI PCI
- 15:1394OHCI
- 16:CARDBUS
- 17:LAN RTL8100B
- 18:KBC/EC FC87591
- 19:HDD FDD & CD-ROM CONN.
- 20:AUDIO CODEC & AMP
- 21:USB CONN.
- 22:SUPER I/O FC87391
- 23:LCD CRT & TV CONN.
- 24:IR & IO CONN.
- 25:CLOCK GEN
- 26:POWER SWITCH
- 27:AUDIO DJ
- 28:SELECT
- 29:MAX1772 CHARGER
- 30:MAX1632SYSTEM POWER
- 31:HP6301 CPU POWER
- 32:MAX1715 VGA POWER AND LDO
- 33:HISTORY



X = 0805 TYPE
 Y = 1206 TYPE
 C3216 = A TYPE
 C3528 = B TYPE
 C6032 = C TYPE
 C7343 = D TYPE

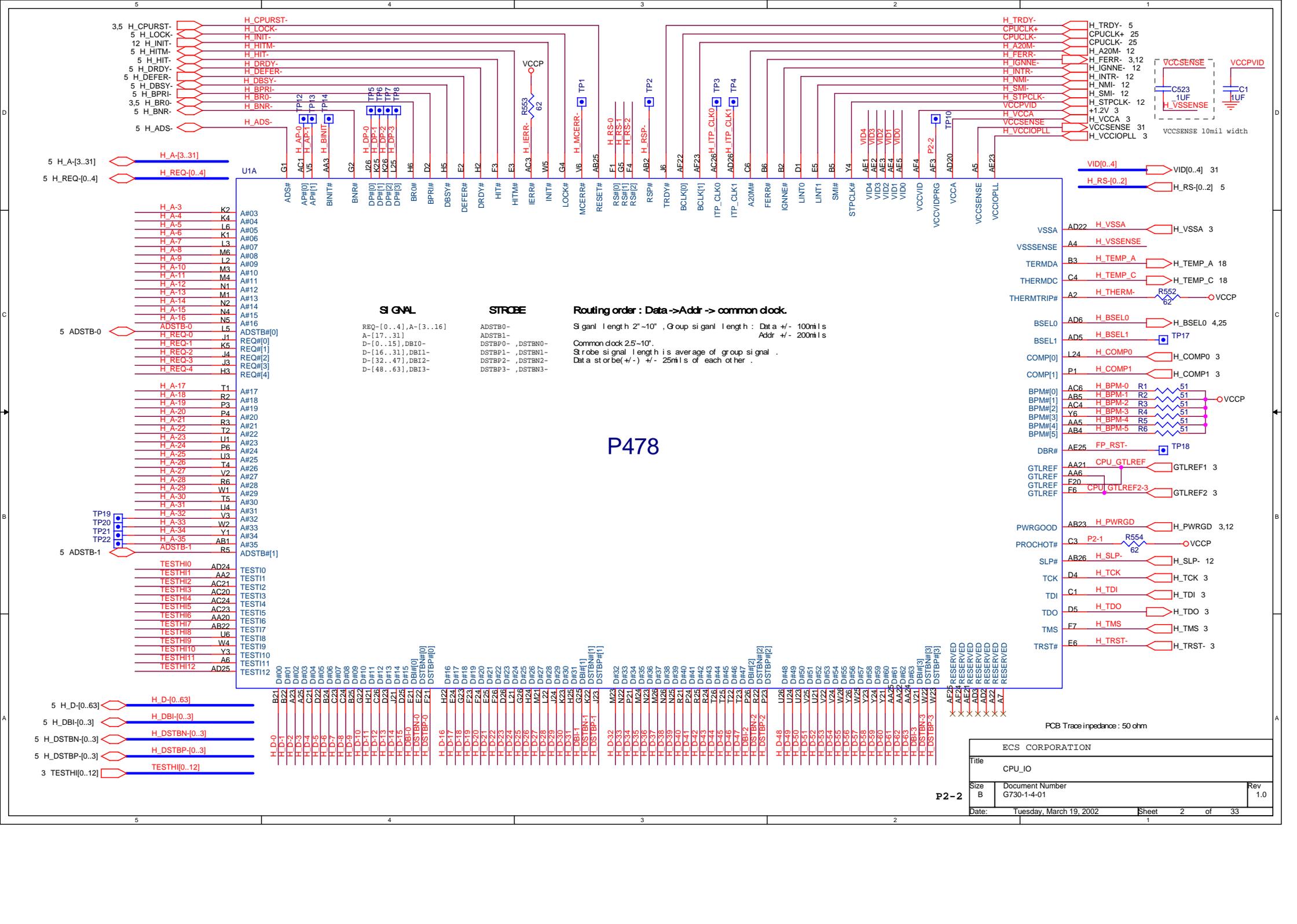
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DATE	3/20	2/26	2/26	2/26	2/26	2/26	2/26	2/26	2/26	2/26	2/26	2/26	2/26	2/26	2/26	2/26

PAGE	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
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KK0G730011010

P. Leader

Approved	by	Checked	by	Designed	by
ECS CORPORATION					
Title G730 M/B					
Size	Document Number				Rev
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SIGNAL

REQ-[0..4], A-[3..16]	ADSTB-[0]	REQ[0]	A-[17..31]
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D-[32..47], DB12-	H_REQ-1	REQ[2]	D-[48..63], DB13-
D-[64..79], DB14-	H_REQ-2	REQ[3]	
D-[80..95], DB15-	H_REQ-3	REQ[4]	

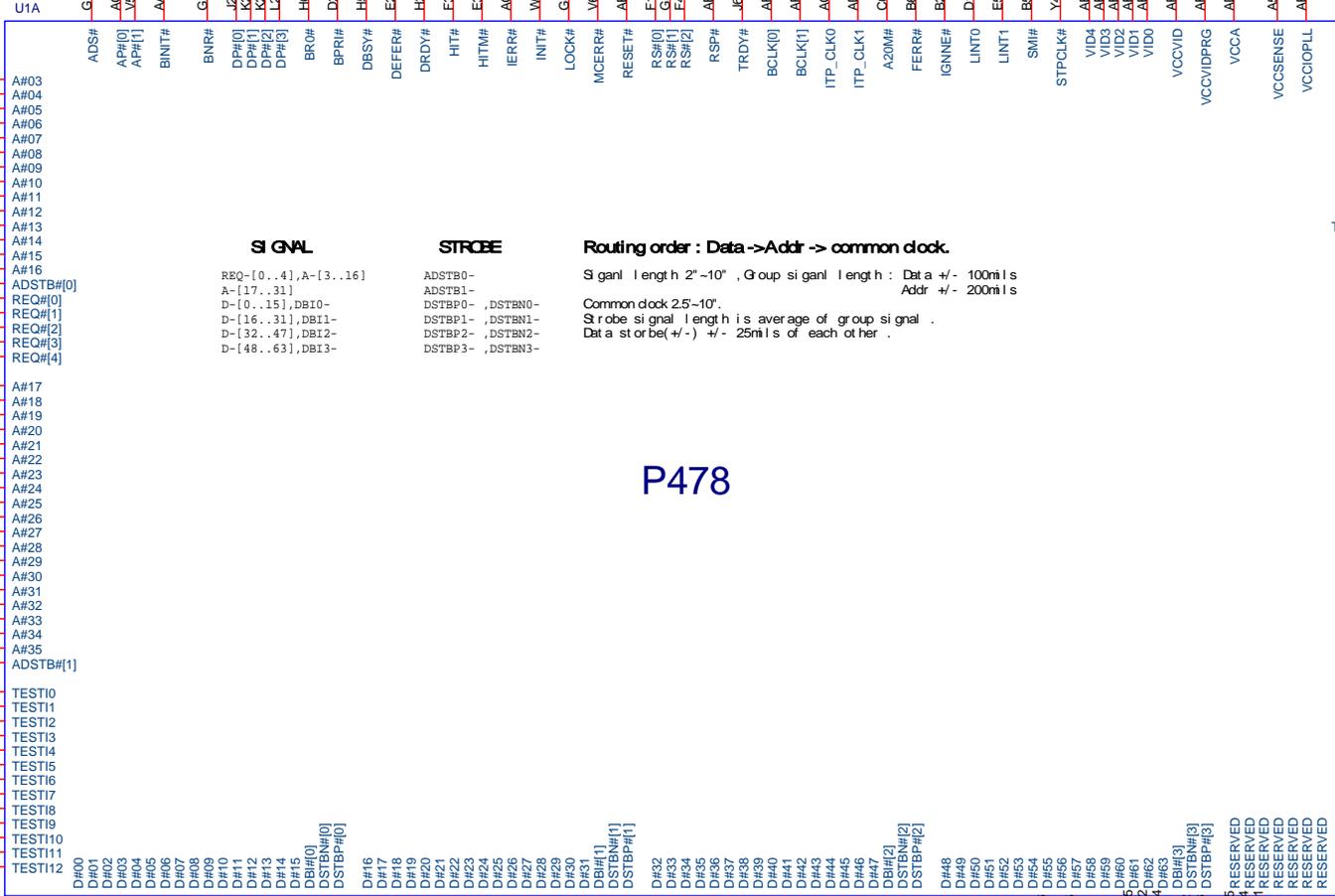
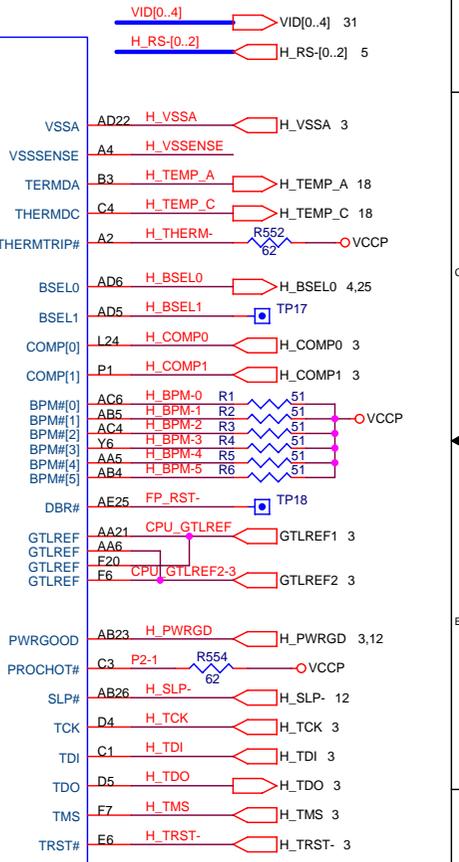
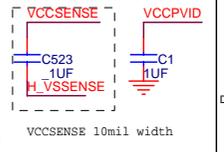
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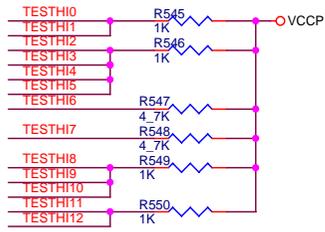
ECS CORPORATION		
Title CPU_IO		
Size B	Document Number G730-1-4-01	Rev 1.0
Date: Tuesday, March 19, 2002	Sheet 2	of 33

P2-2

PCB Trace impedance : 50 ohm

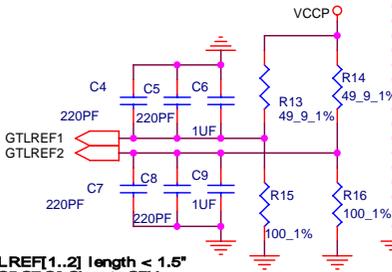
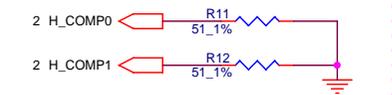
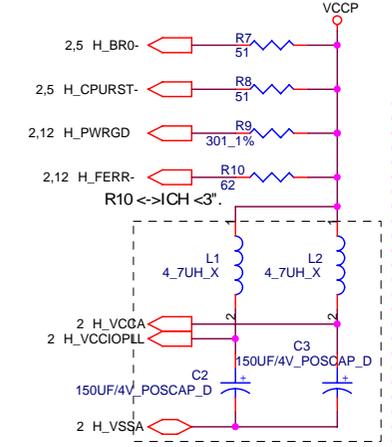


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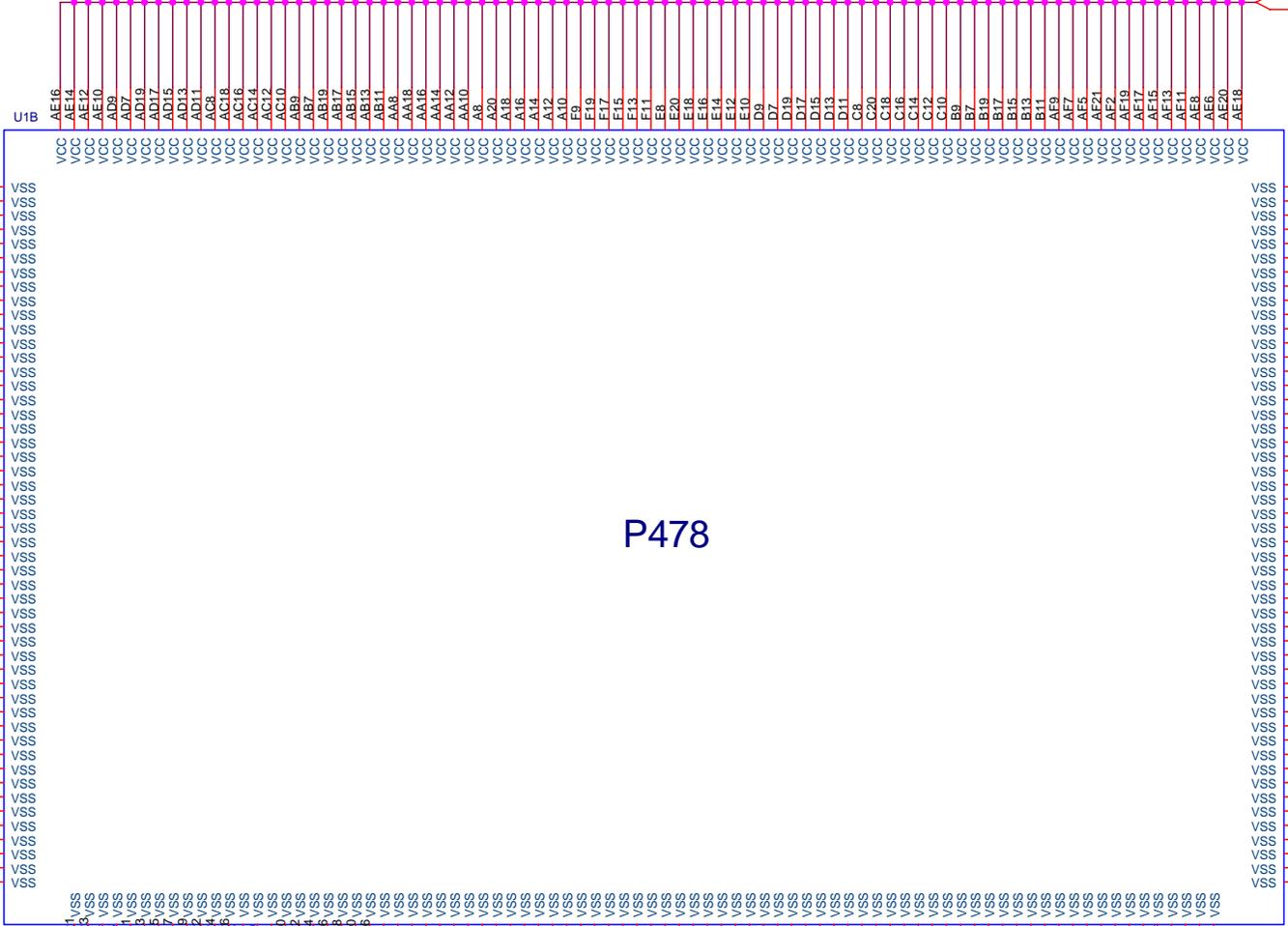
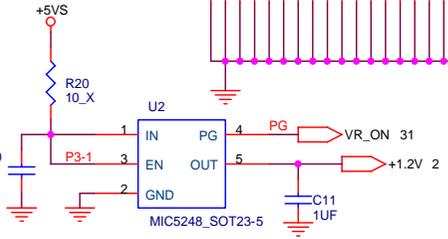
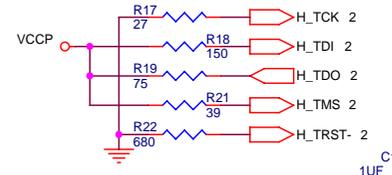


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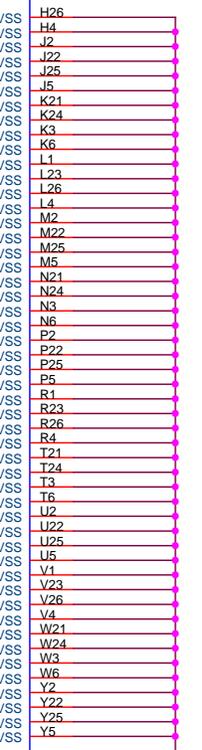
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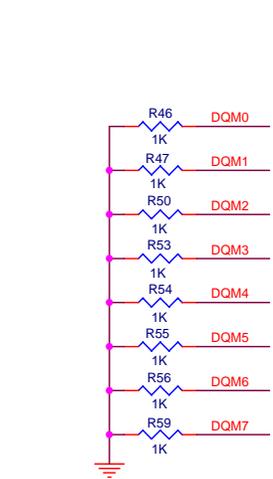
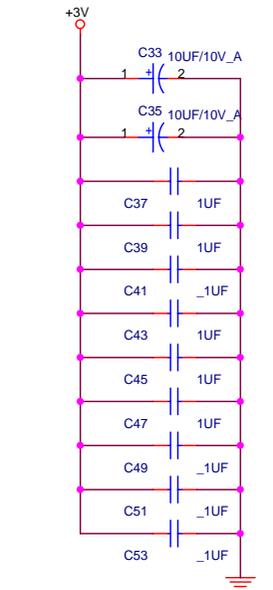
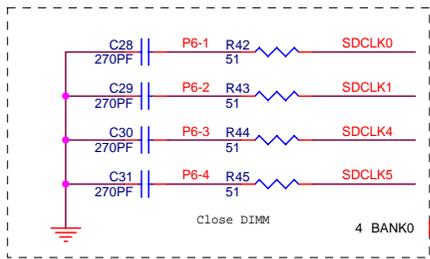


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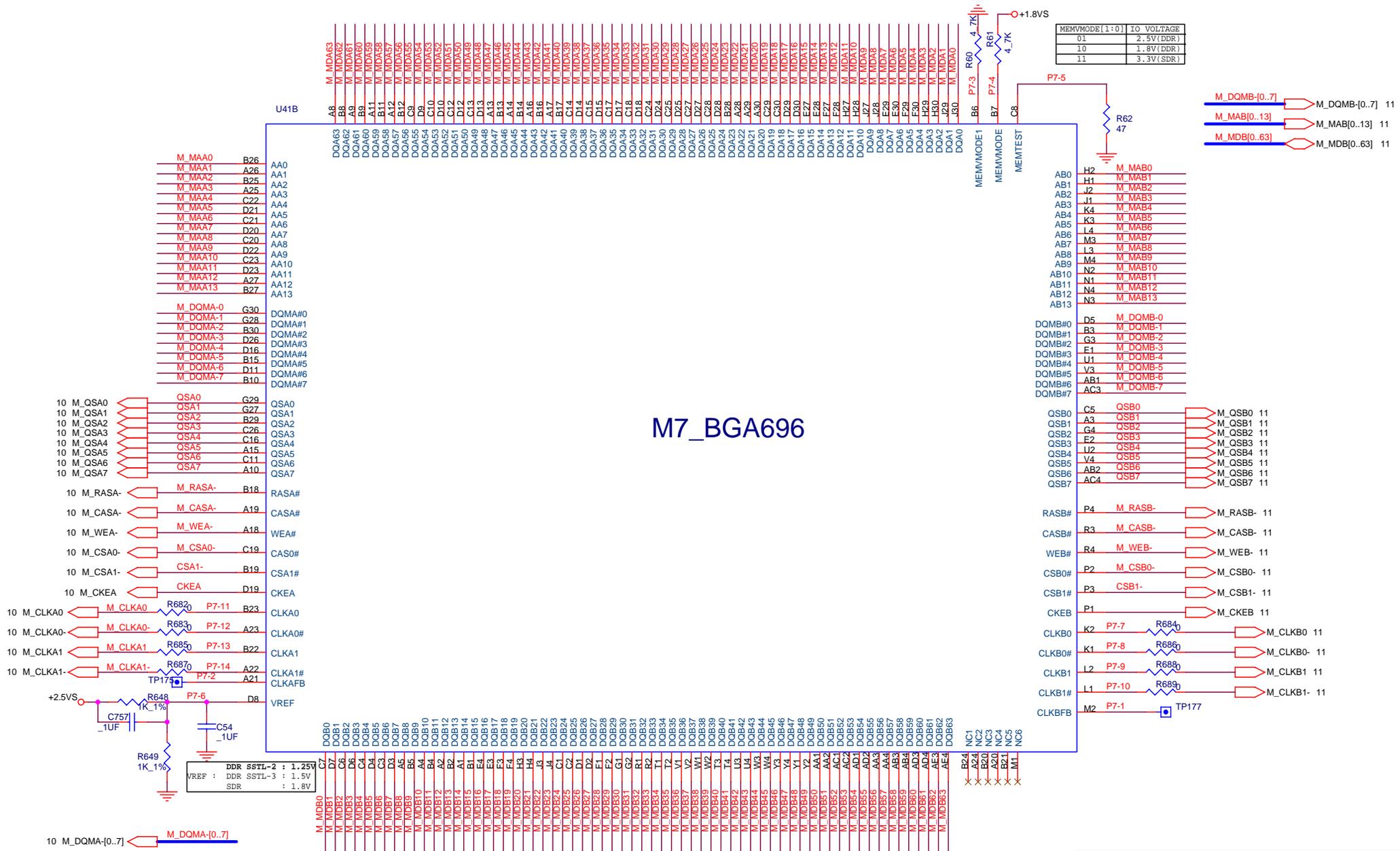
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DQM6	116	DQM6	116
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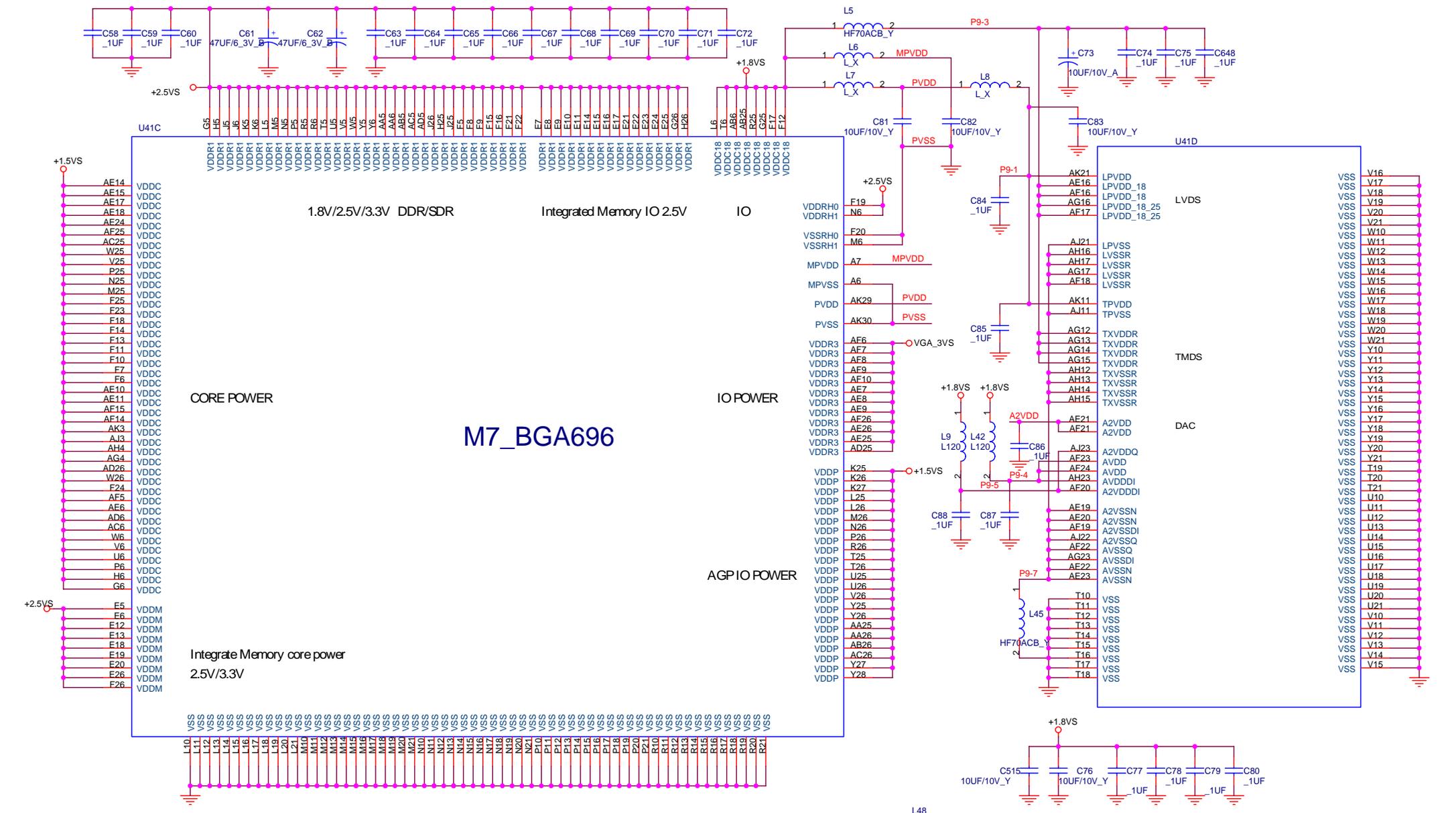
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1.8V/2.5V/3.3V DDR/SDR Integrated Memory IO 2.5V

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CORE POWER

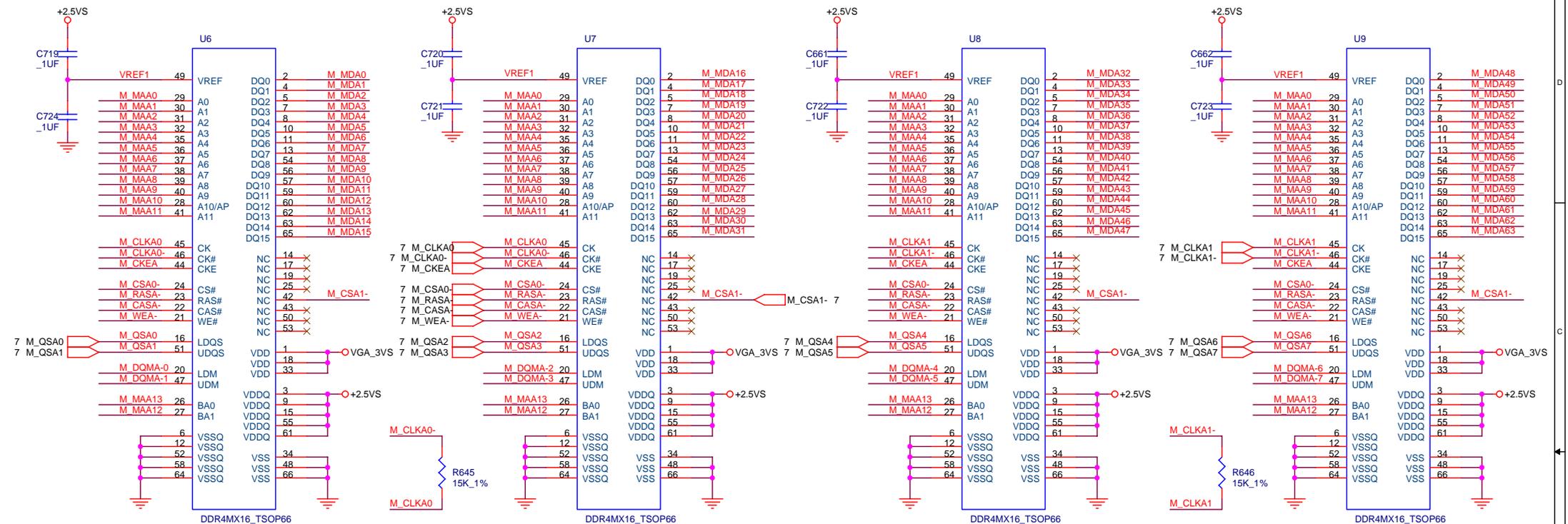
IO POWER

AGPIO POWER

Integrate Memory core power 2.5V/3.3V

ECS CORPORATION		
Title M7 POWER		
Size B	Document Number G730-1-4-01	Rev 1.0
Date: Tuesday, March 19, 2002	Sheet 9	of 33

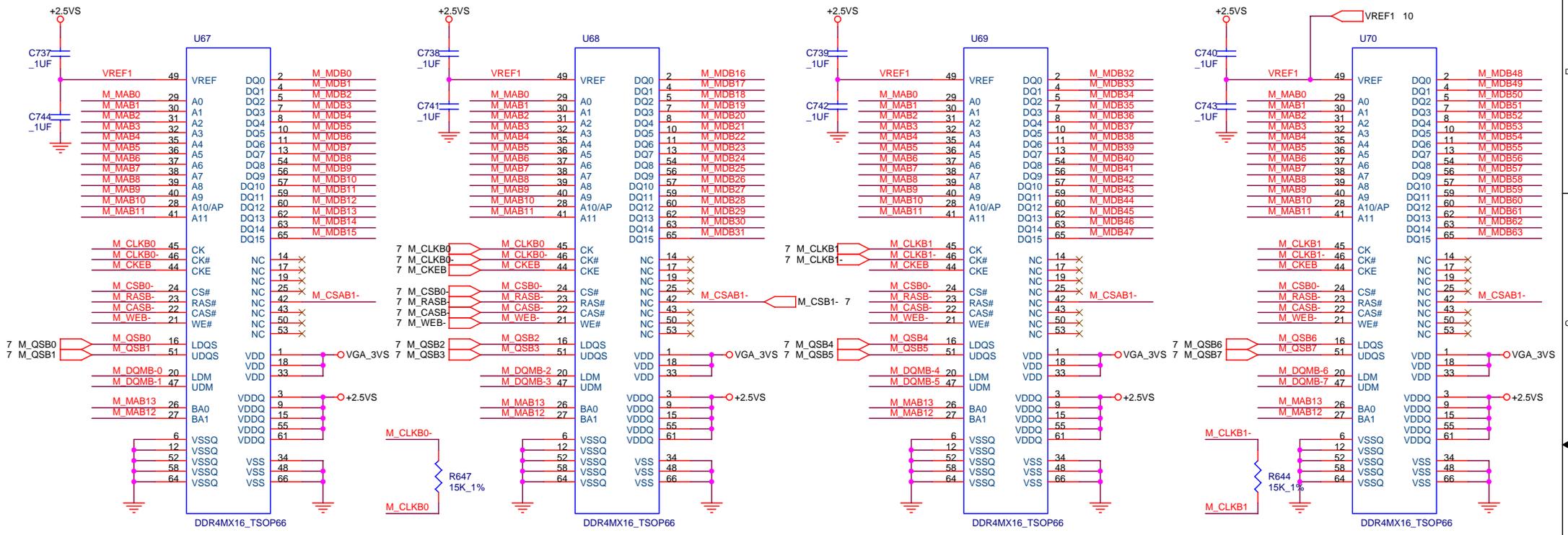
P9-7



All of signal trace 5mil spacing 10mil .

- 7 M_DQMA[0..7] M_DQMA[0..7]
- 7 M_MAA[0..13] M_MAA[0..13]
- 7 M_MDA[0..63] M_MDA[0..63]

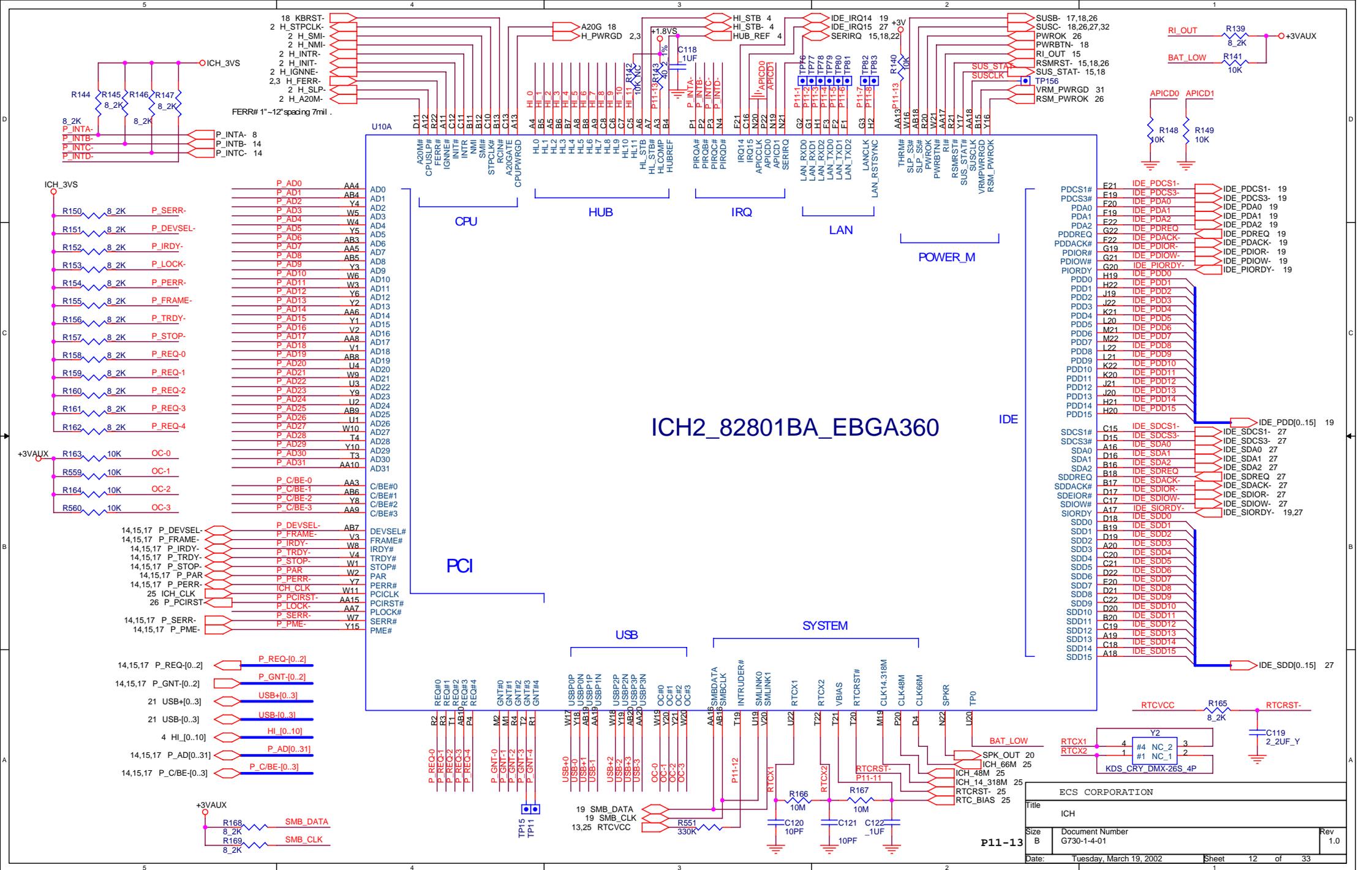
ECS CORPORATION		
Title CHANEL A		
Size B	Document Number G730-1-4-01	Rev 1.0
Date: Tuesday, March 19, 2002	Sheet 10	of 33



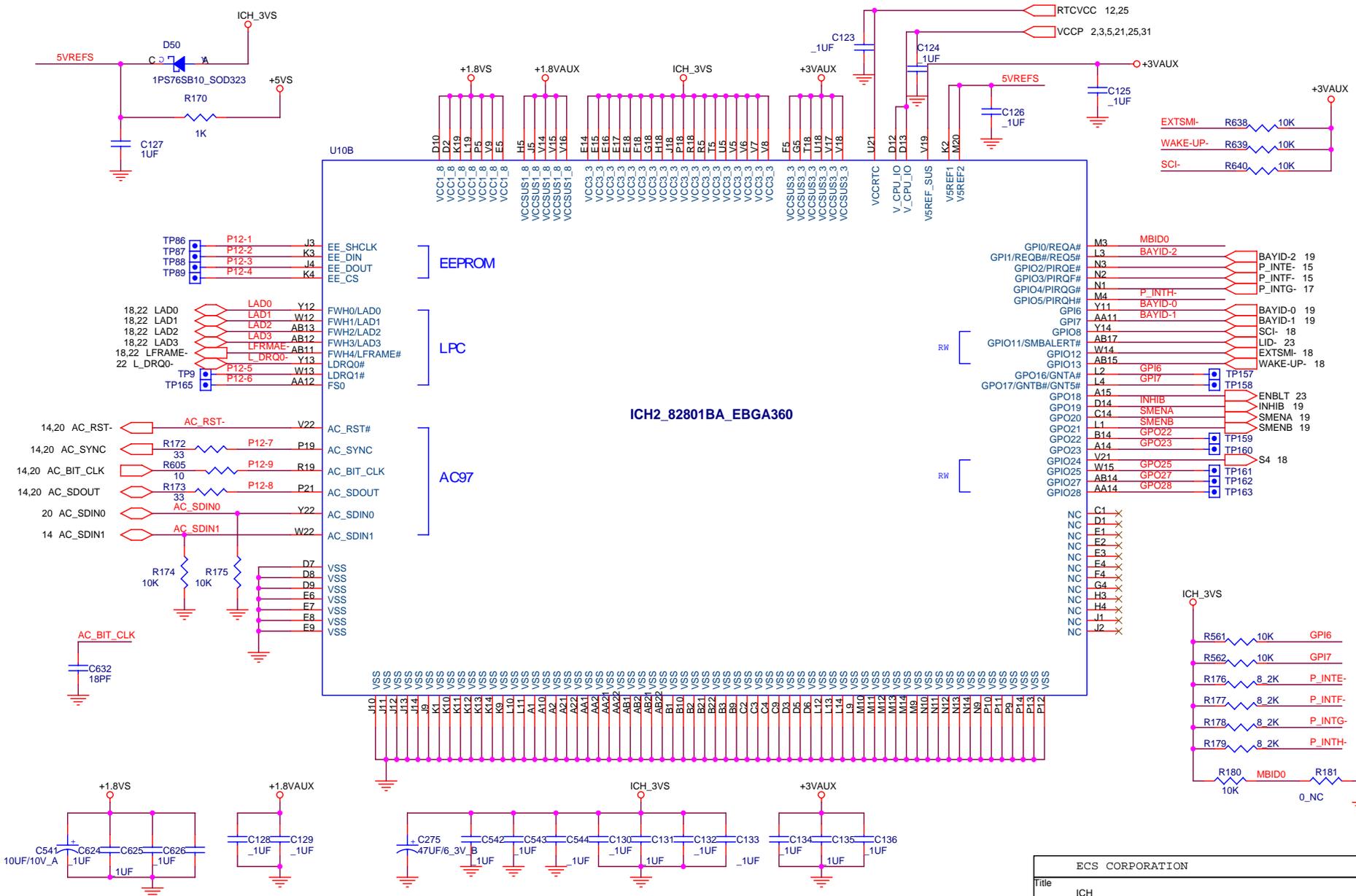
All of signal trace 5mil spacing 10mil .

- 7 M_DQMB-[0..7] M_DQMB-[0..7]
- 7 M_MAB[0..13] M_MAB[0..13]
- 7 M_MDB[0..63] M_MDB[0..63]

ECS CORPORATION		
Title CHANEL B		
Size B	Document Number G730-1-4-01	Rev 1.0
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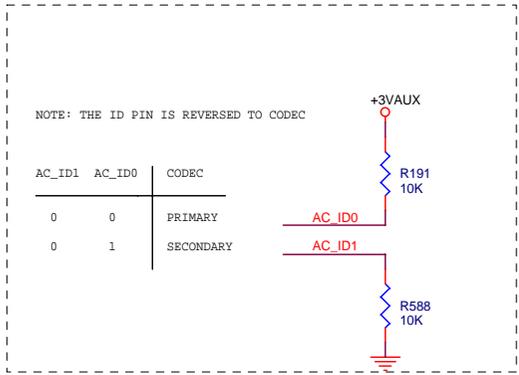
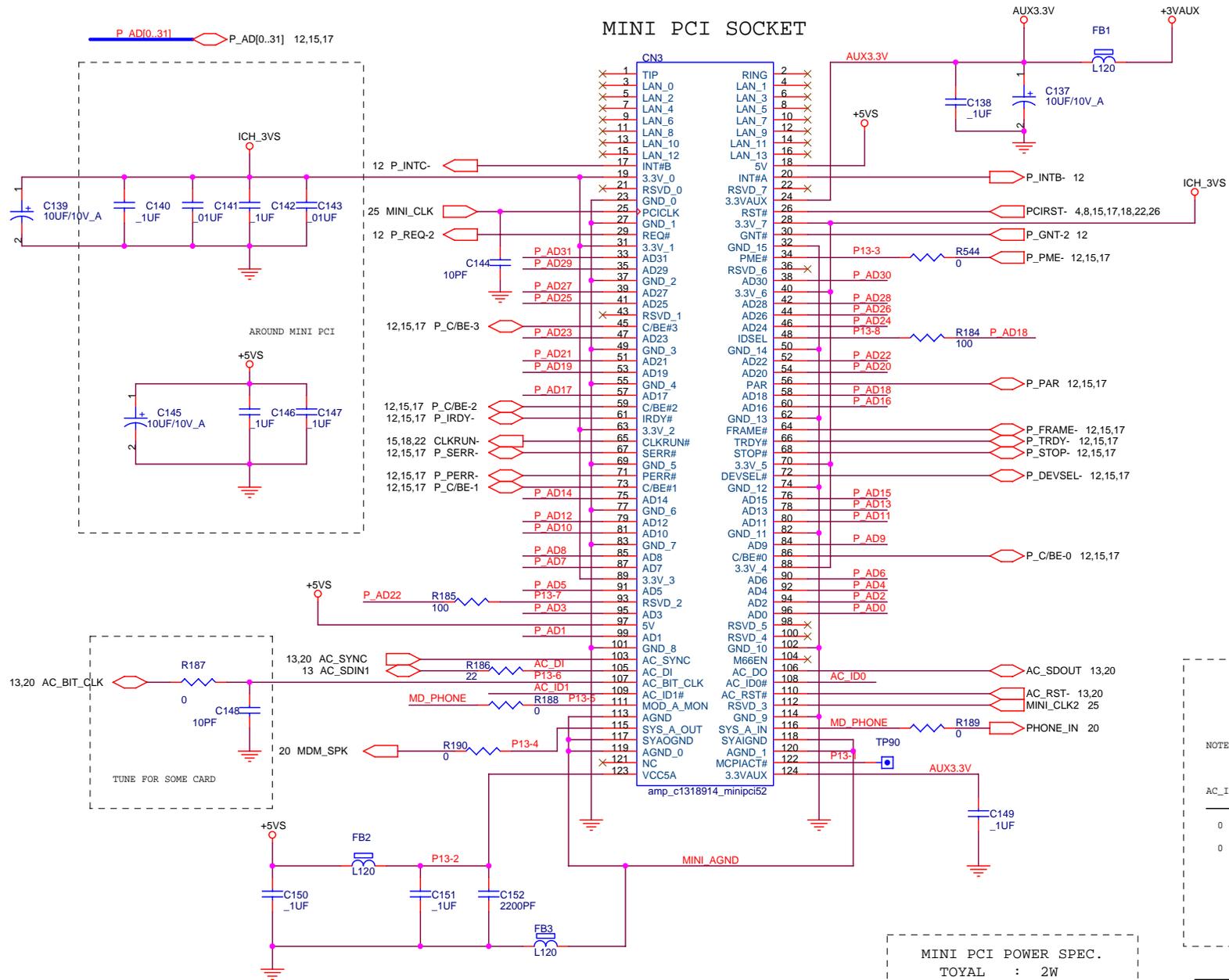
P11-13



ECS CORPORATION		
Title ICH		
Size B	Document Number G730-1-4-01	Rev 1.0
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P12-9

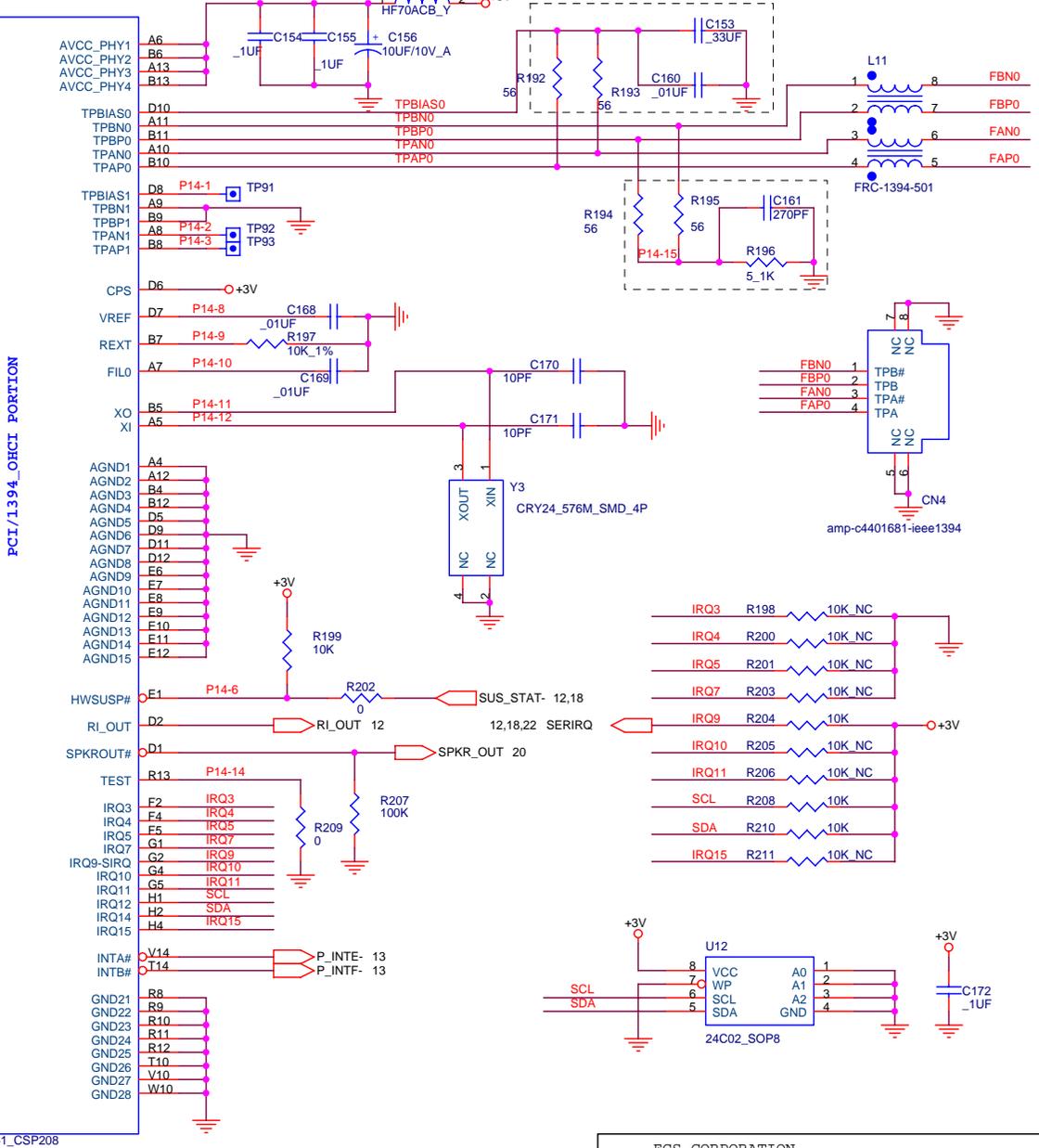
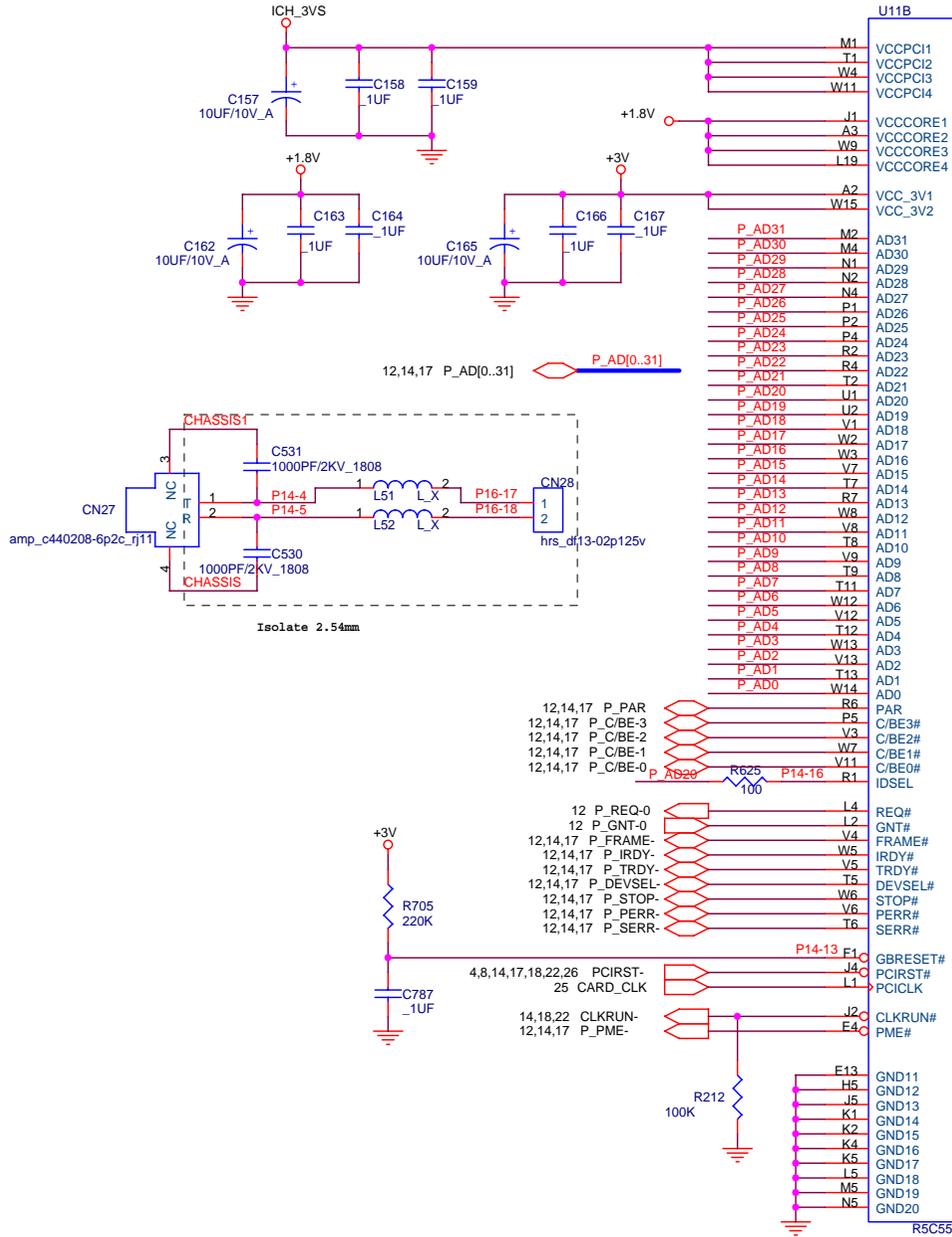
MINI PCI SOCKET



MINI PCI POWER SPEC.
 TOYAL : 2W
 +5V : 100mA
 3.3VAUX: 5/200/375mA
 VCC5A : 100mA
 +3V

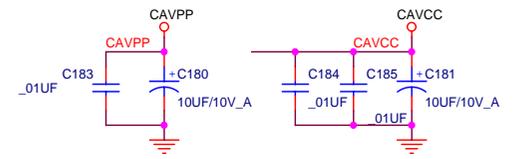
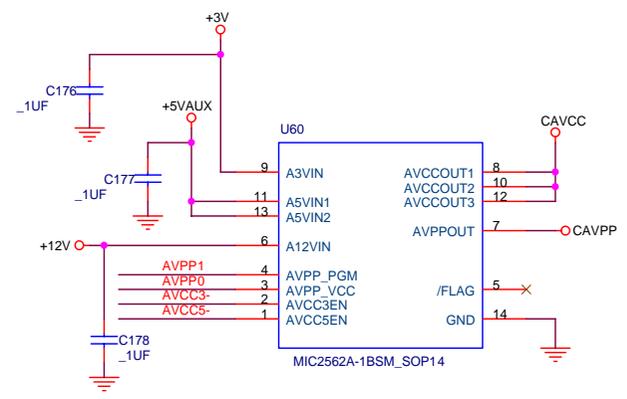
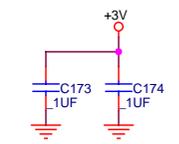
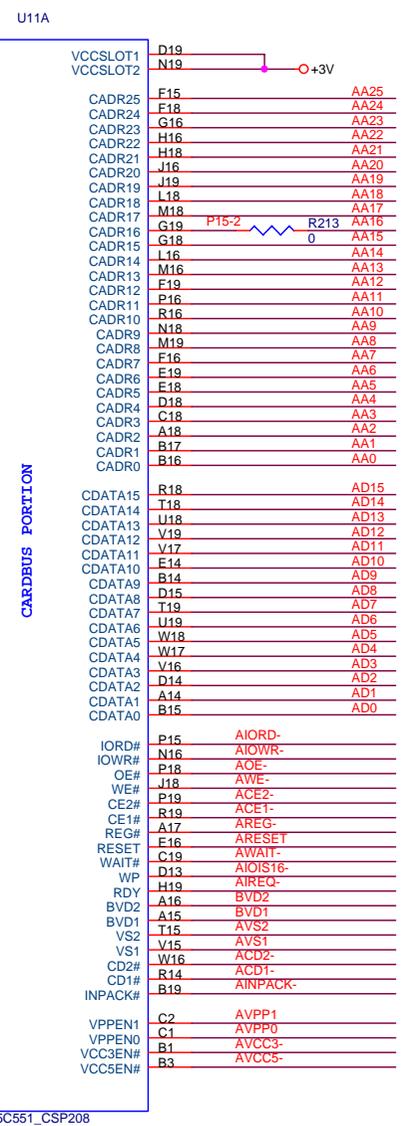
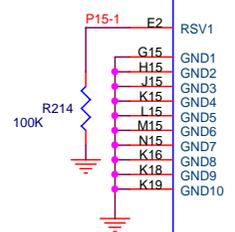
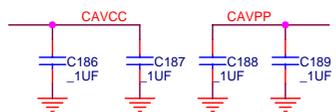
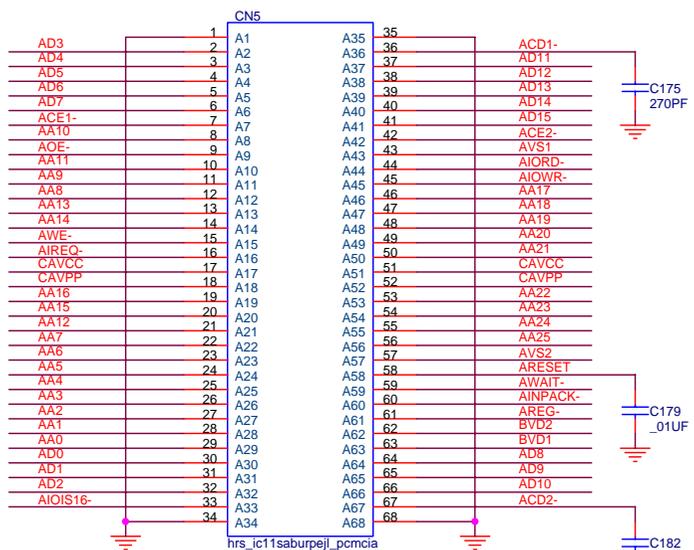
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Title MINI PCI		
Size B	Document Number G730-1-4-01	Rev 1.0
Date:	Tuesday, March 19, 2002	Sheet 14 of 33

P13-8



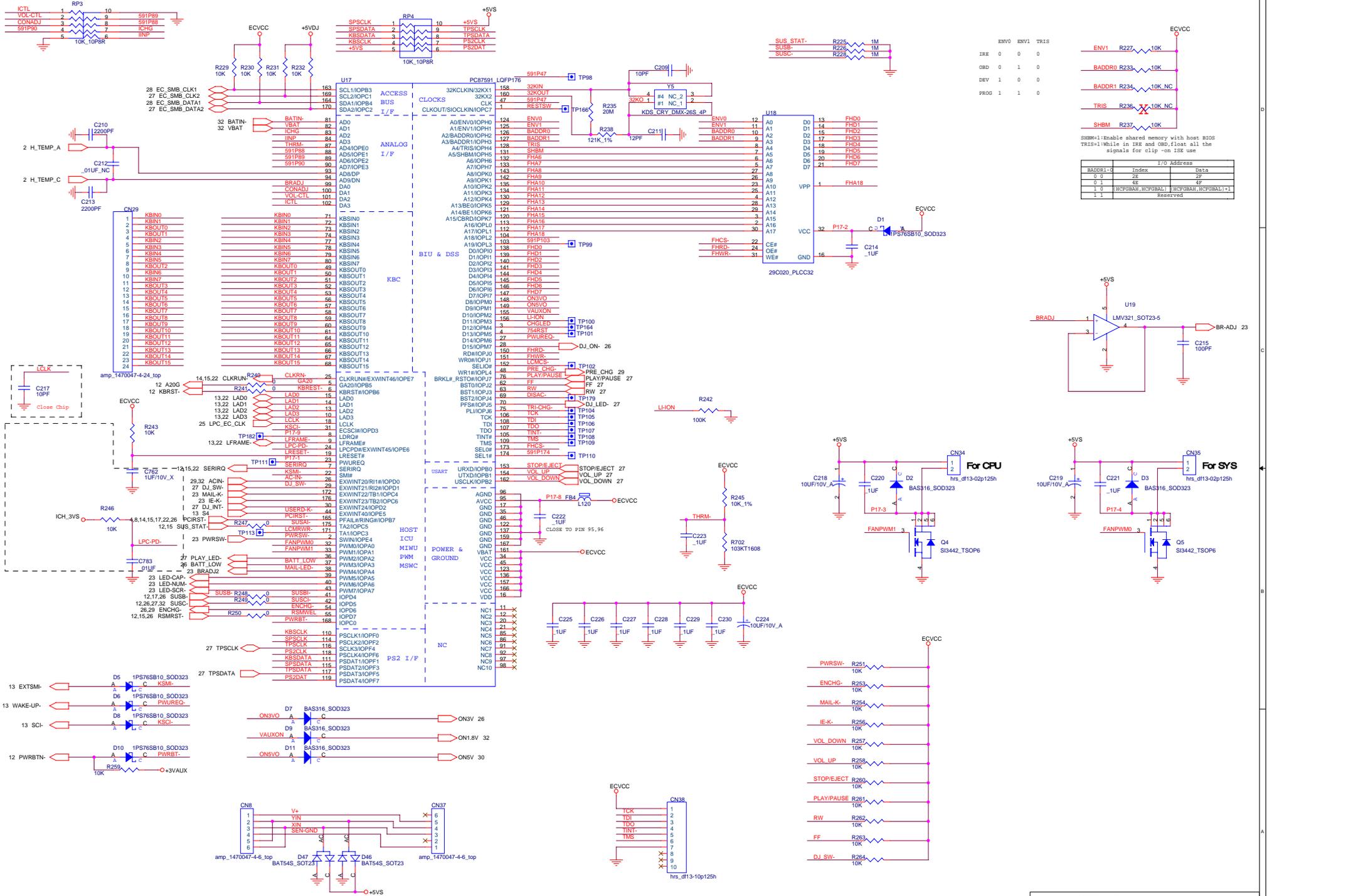
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Title 1394OHCI		
Size B	Document Number G730-1-4-01	Rev 1.0
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P14-18



ECS CORPORATION		
Title CARDBUS		
Size B	Document Number G730-1-4-01	Rev 1.0
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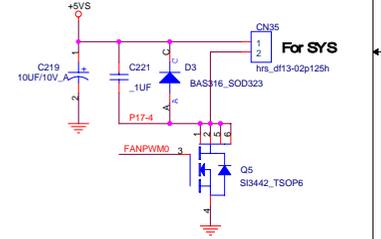
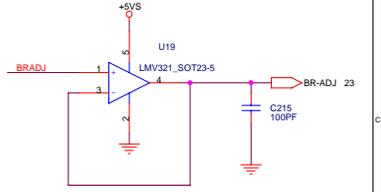
P15-2

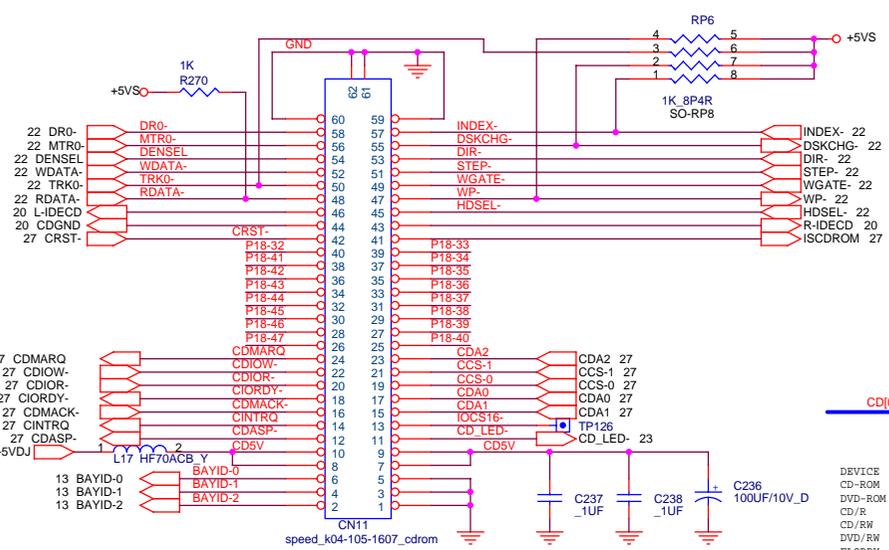
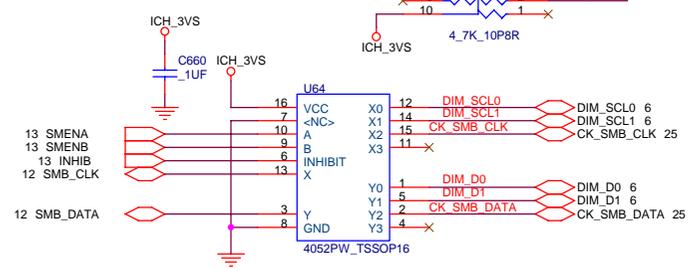
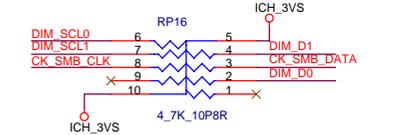
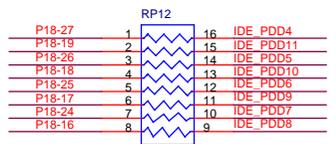
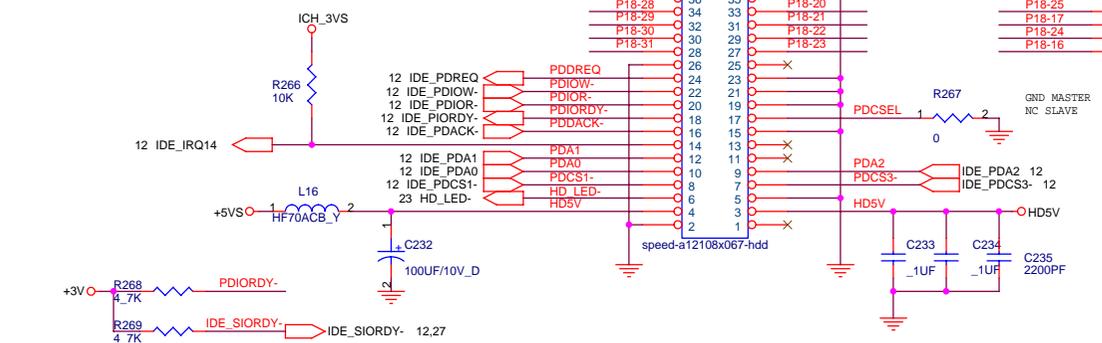
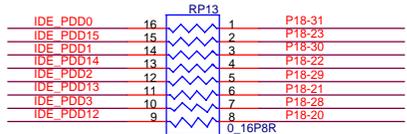


IRE	0	0	0
OB	0	1	0
DEV	1	0	0
PROD	1	1	0

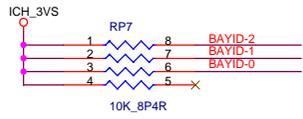
SHM=1 enable shared memory with host BIOS
 TRIS=1 enable in IRE and OBD, float all the signals for clip-on IRE use

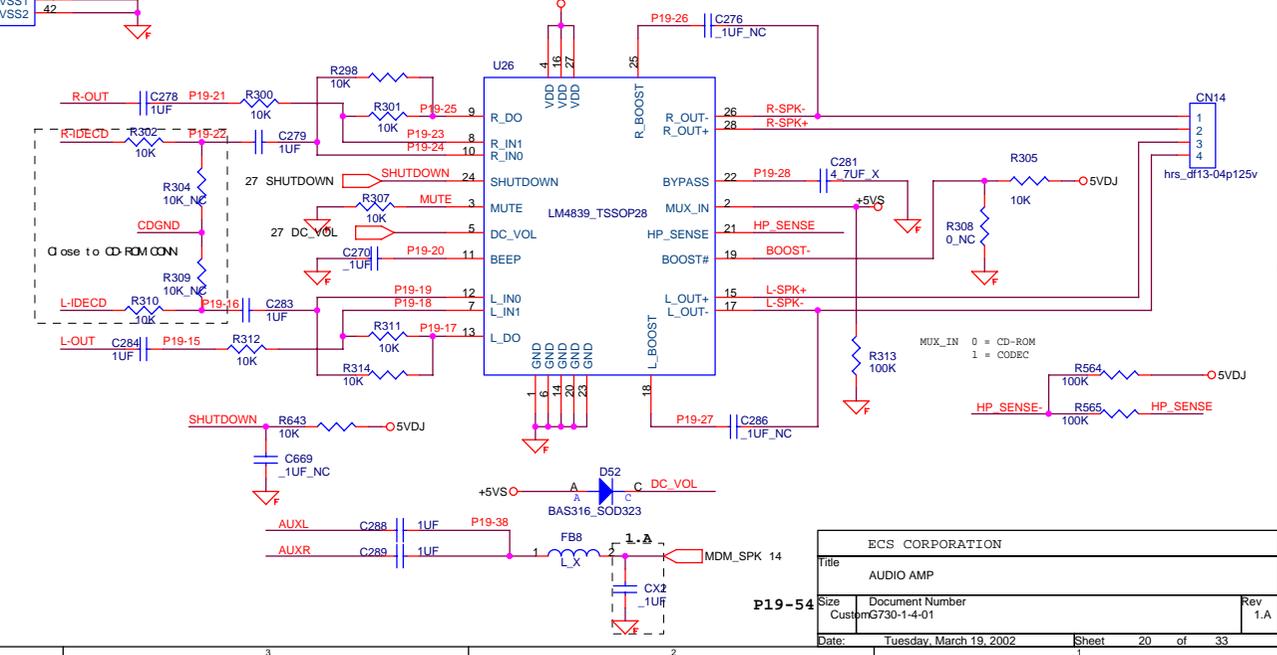
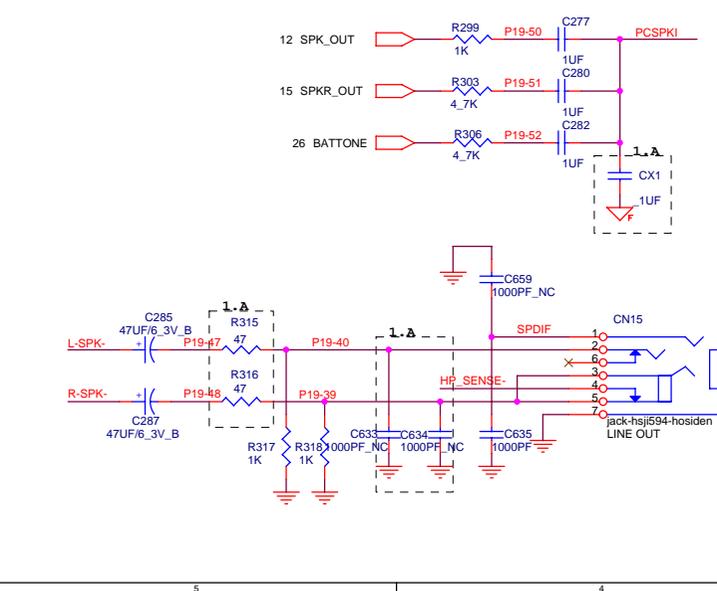
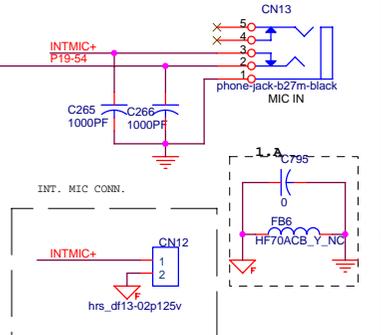
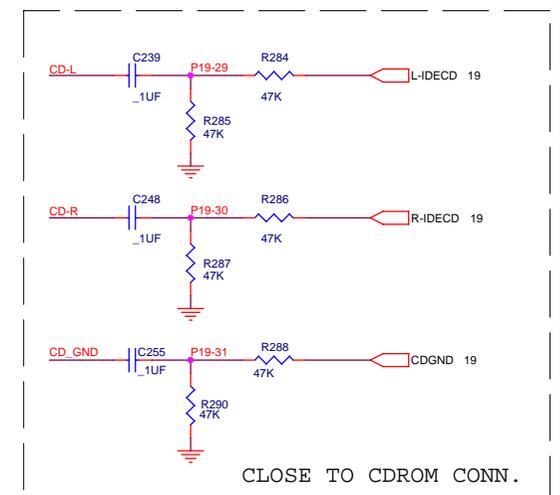
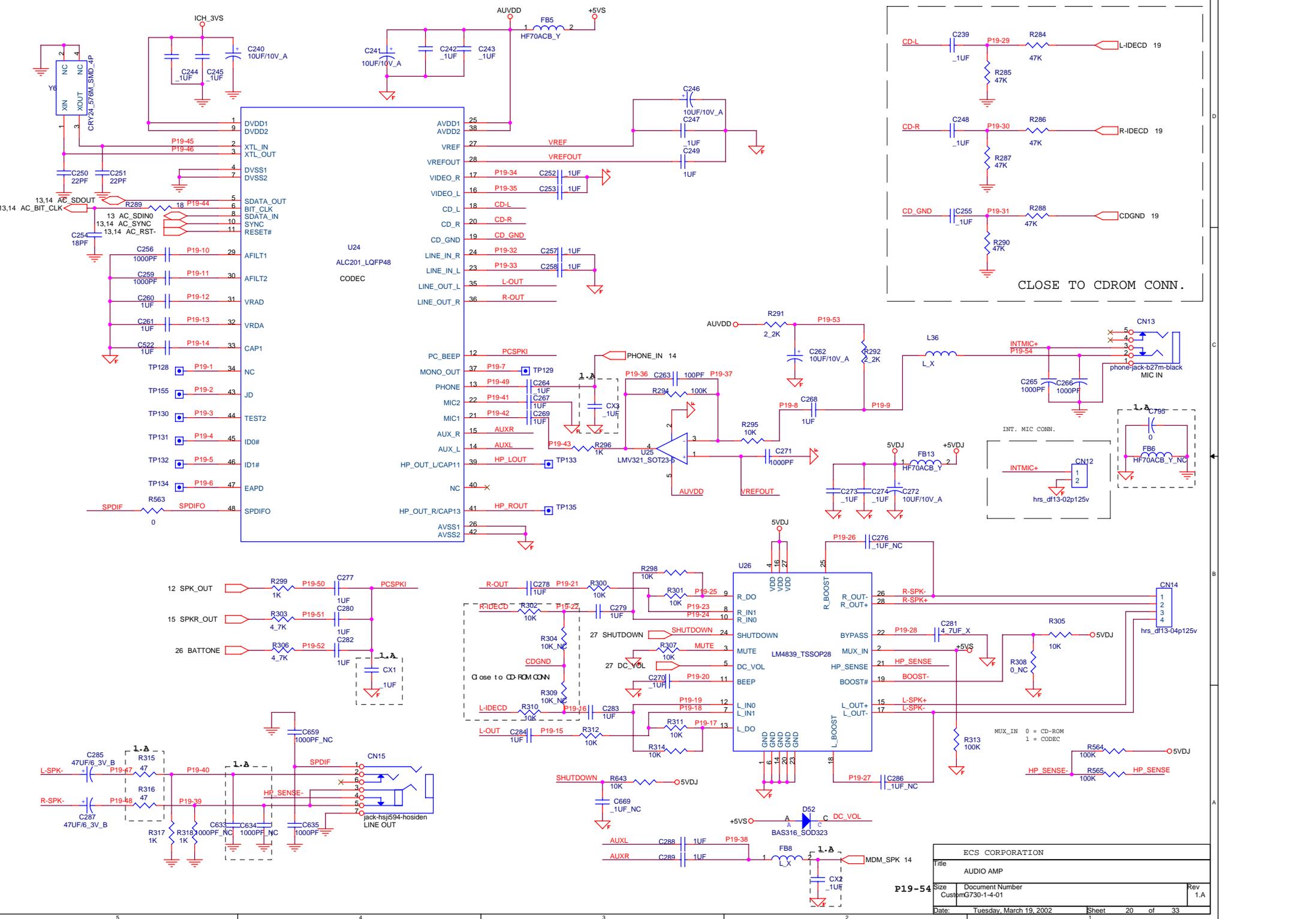
BASDR1-1	Index	I/O	Address	Data
0	0	0	2E	2F
0	1	0	4E	4F
1	0	(HCFUBA), (HCFUBAL)	(HCFUBA), (HCFUBAL)	1
1	1		Reserved	



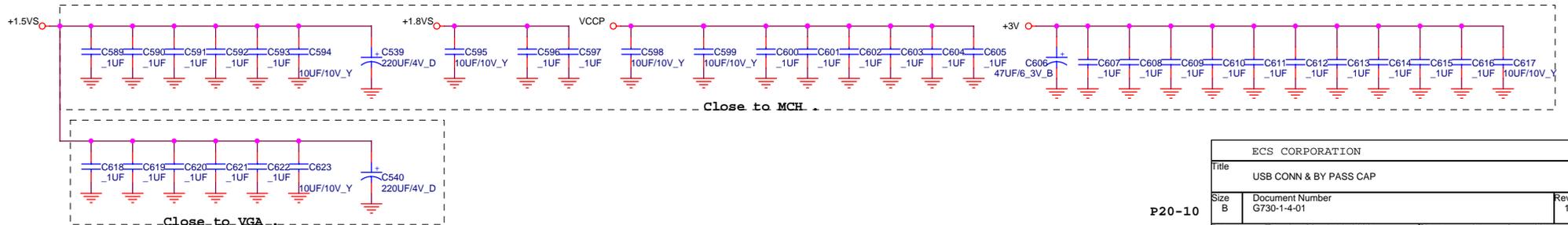
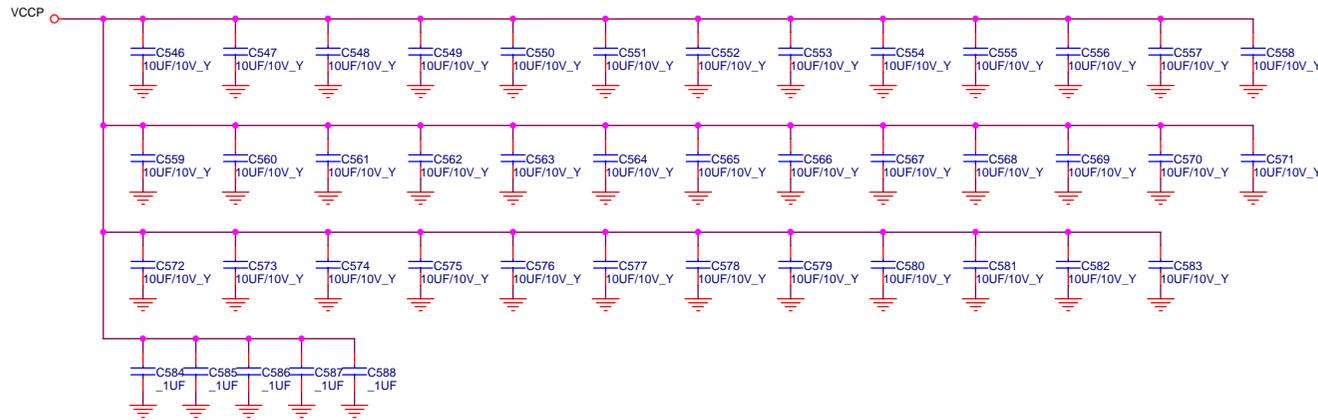
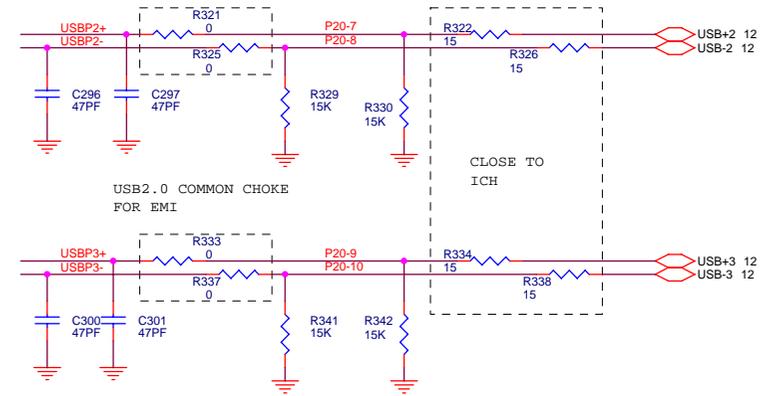
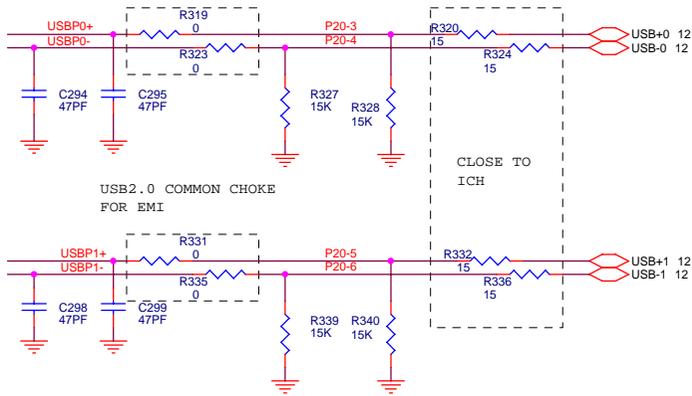
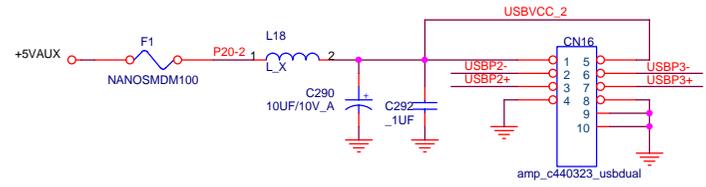
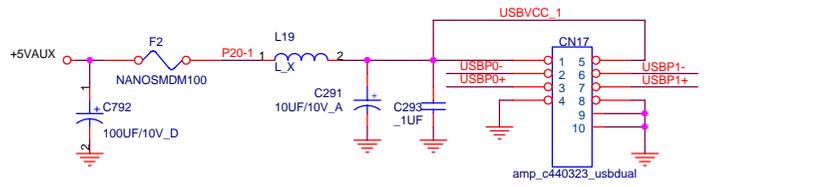


DEVICE	BAYID0	BAYID1	BAYID2
CD-ROM	0	0	0
DVD-ROM	0	0	1
CD/R	0	1	0
CD/RW	0	1	1
DVD/RW	1	0	0
FLOPPY	1	0	1



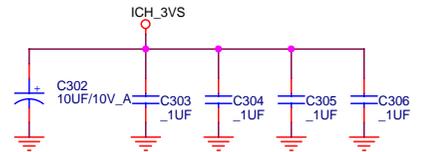
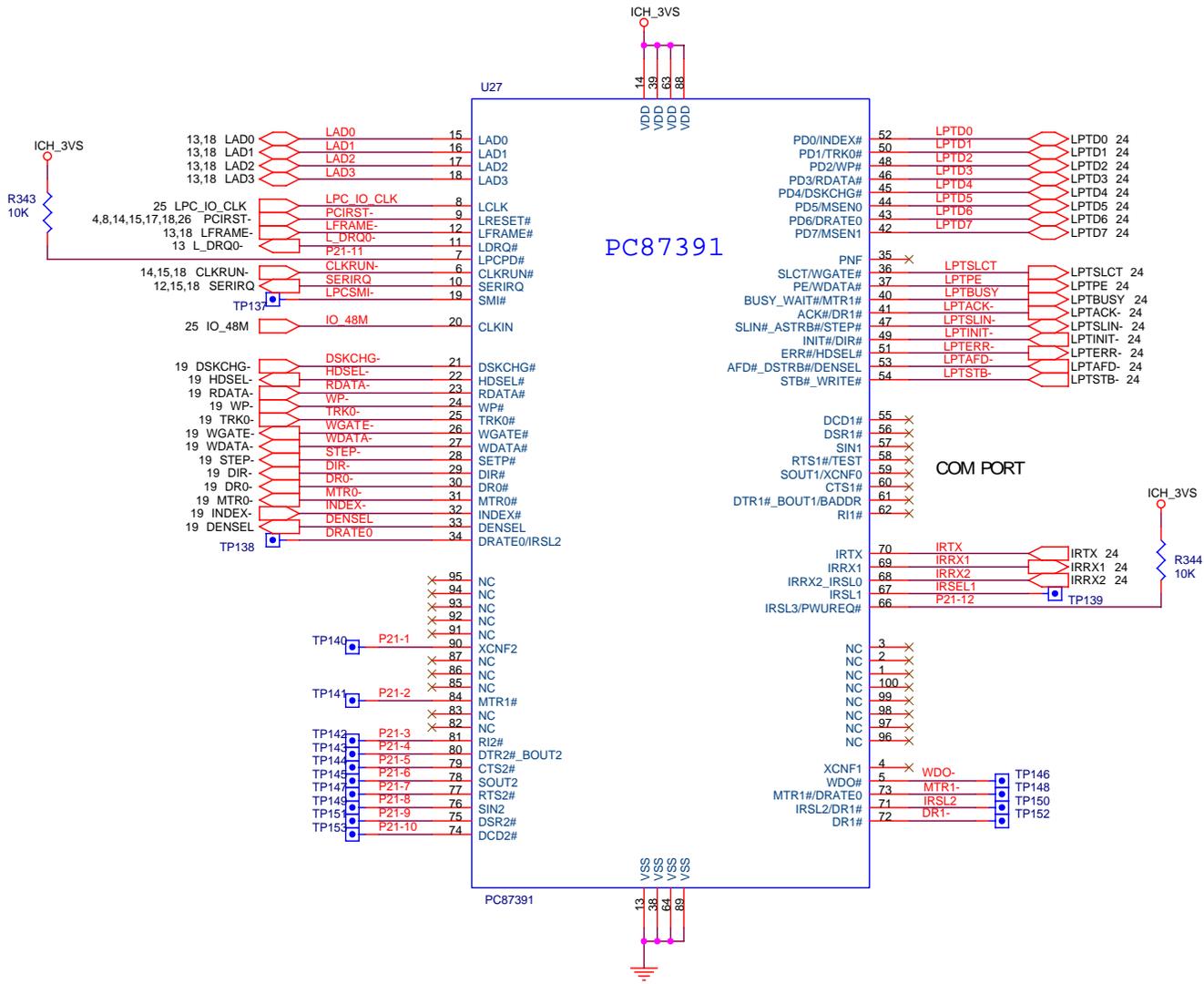


ECS CORPORATION			
Title	AUDIO AMP		
Size	Document Number	Rev	
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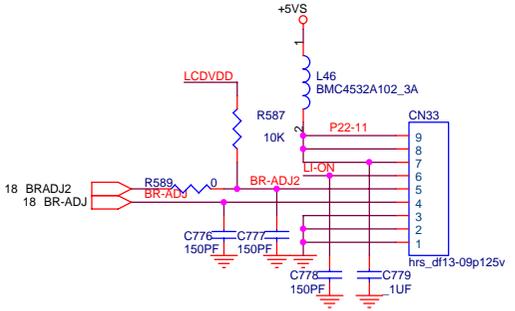
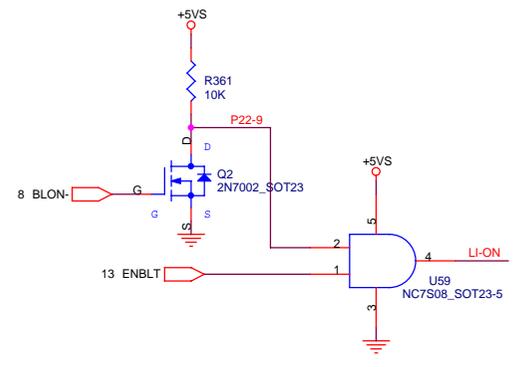
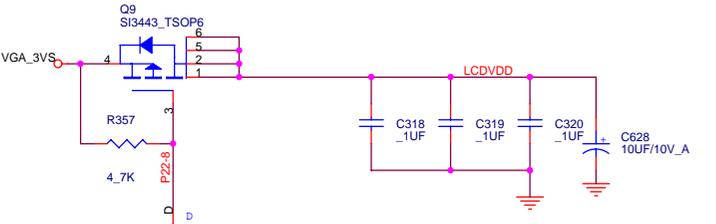
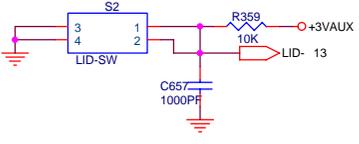
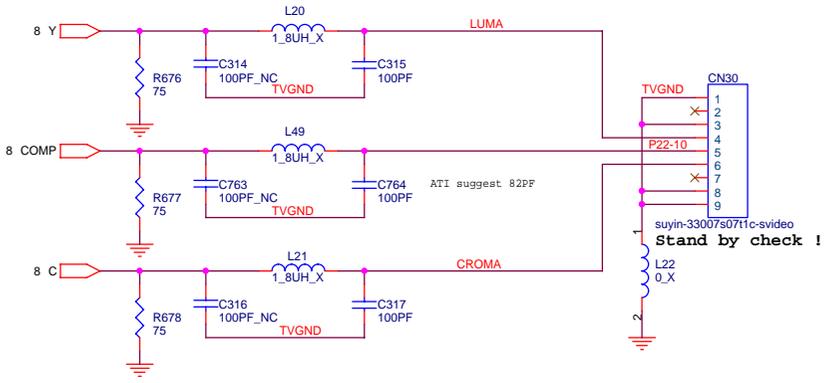
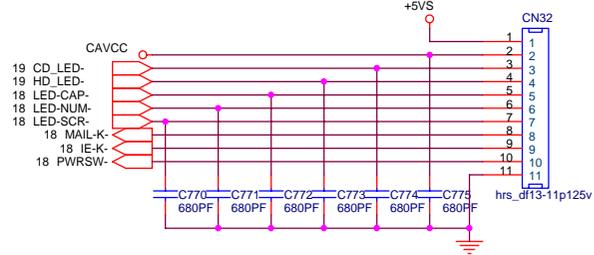
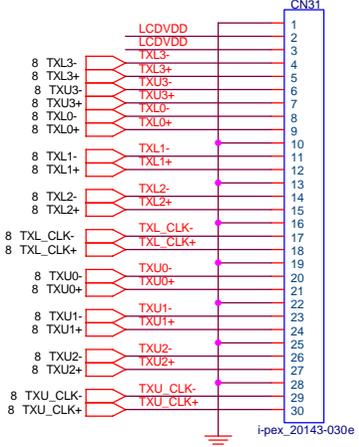
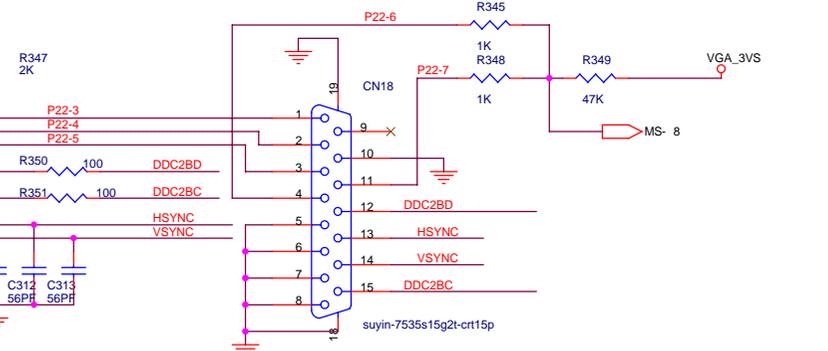
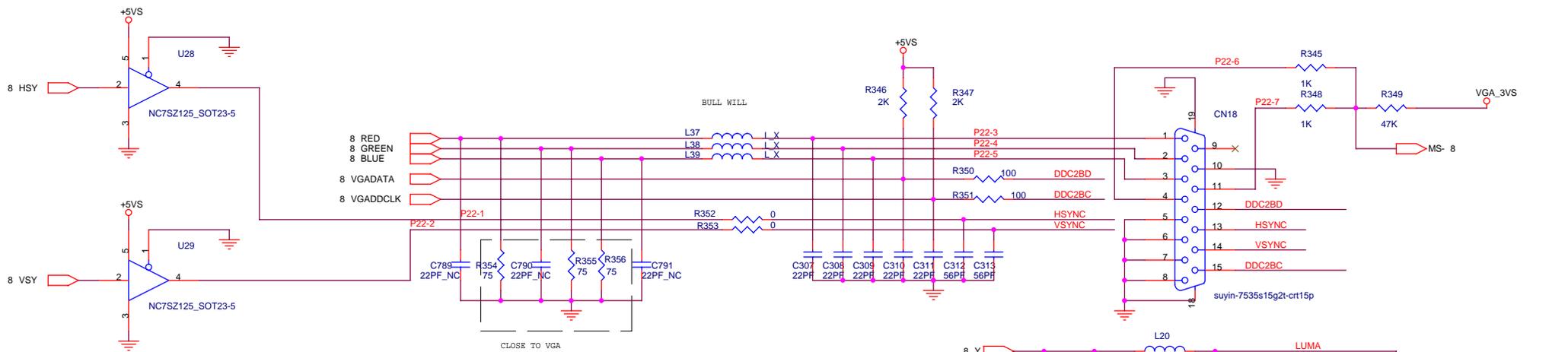
P20-10

ECS CORPORATION		
Title USB CONN & BY PASS CAP		
Size B	Document Number G730-1-4-01	Rev 1.0
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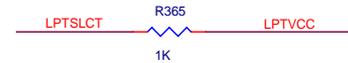
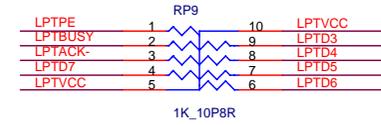
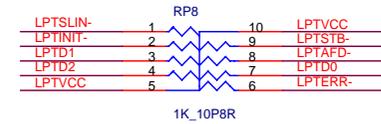
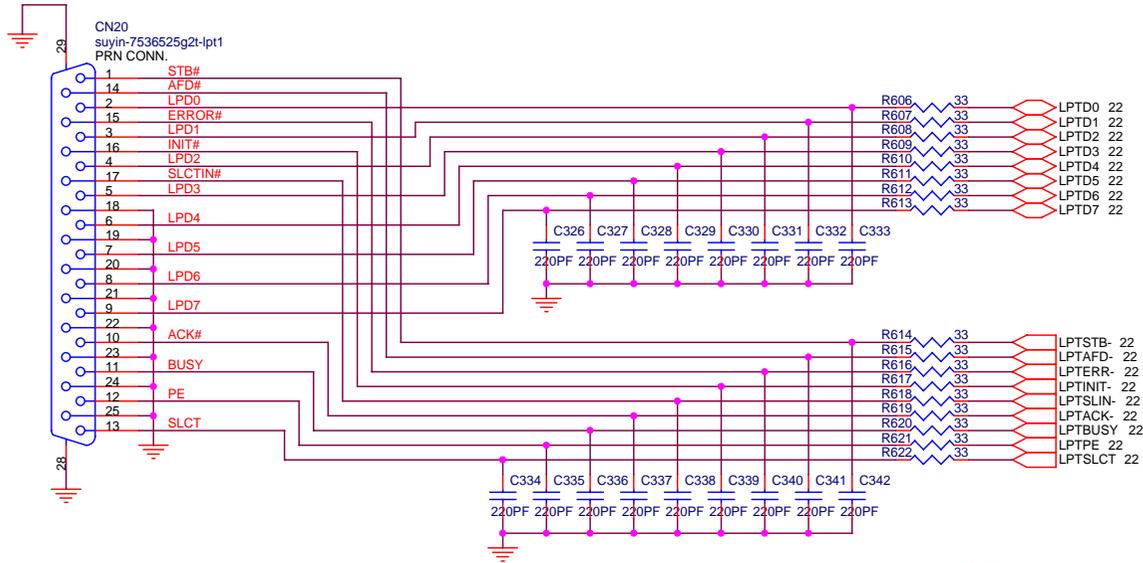
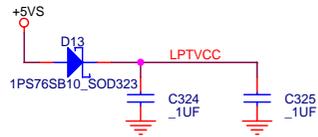
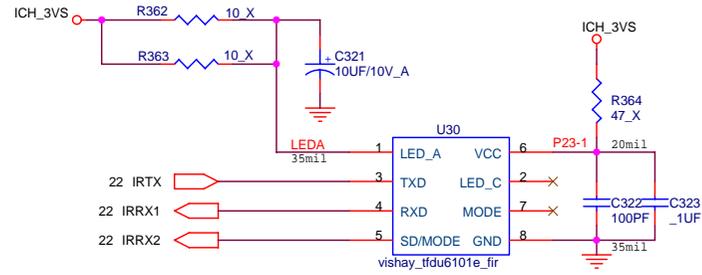
P21-12

ECS CORPORATION		
Title SUPER I/O PC87393 CHIP		
Size	Document Number G730-1-4-01	Rev 1.0
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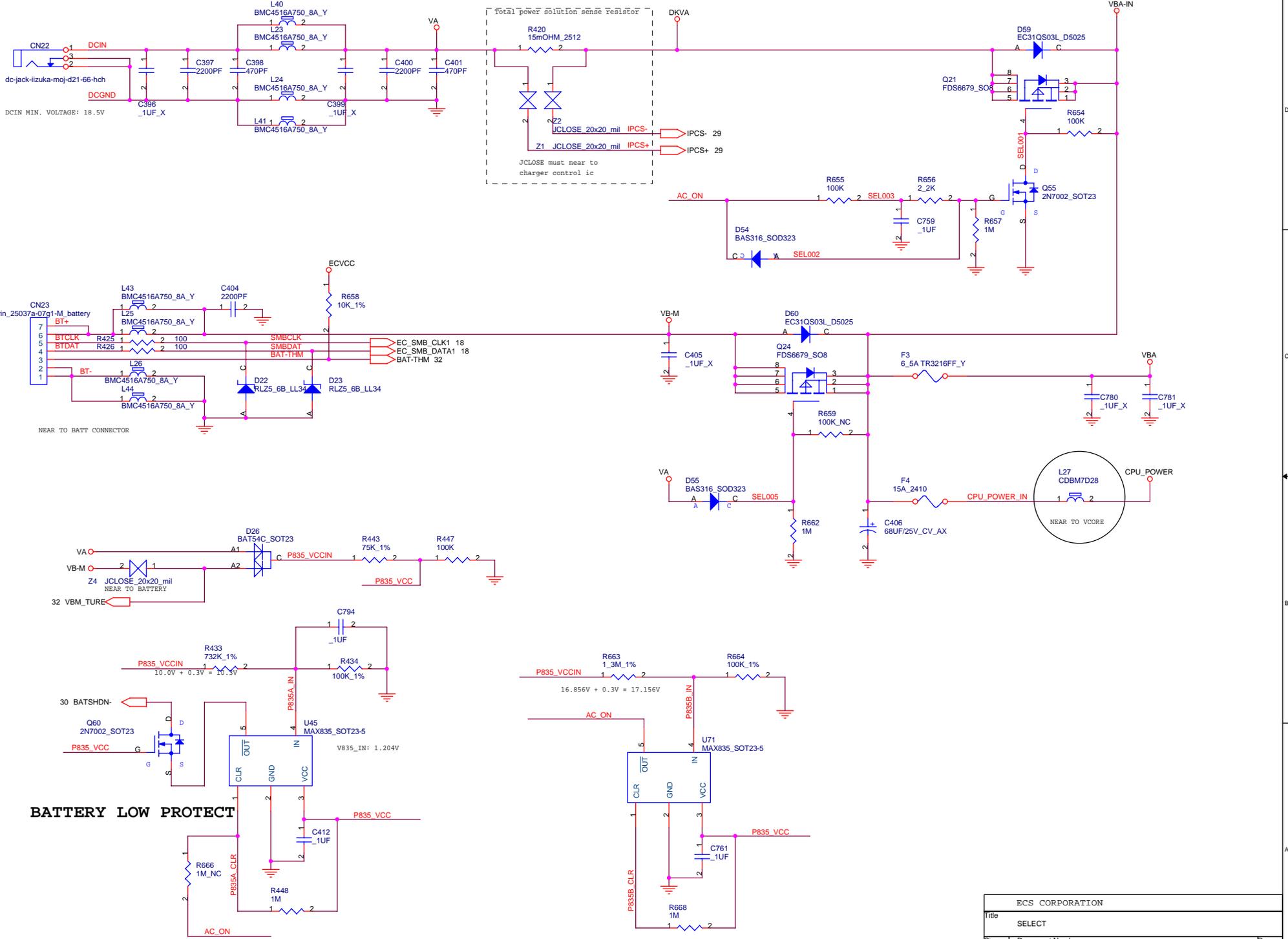
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Size B	Document Number G730-1-4-01	Rev 1.0	
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P22-11



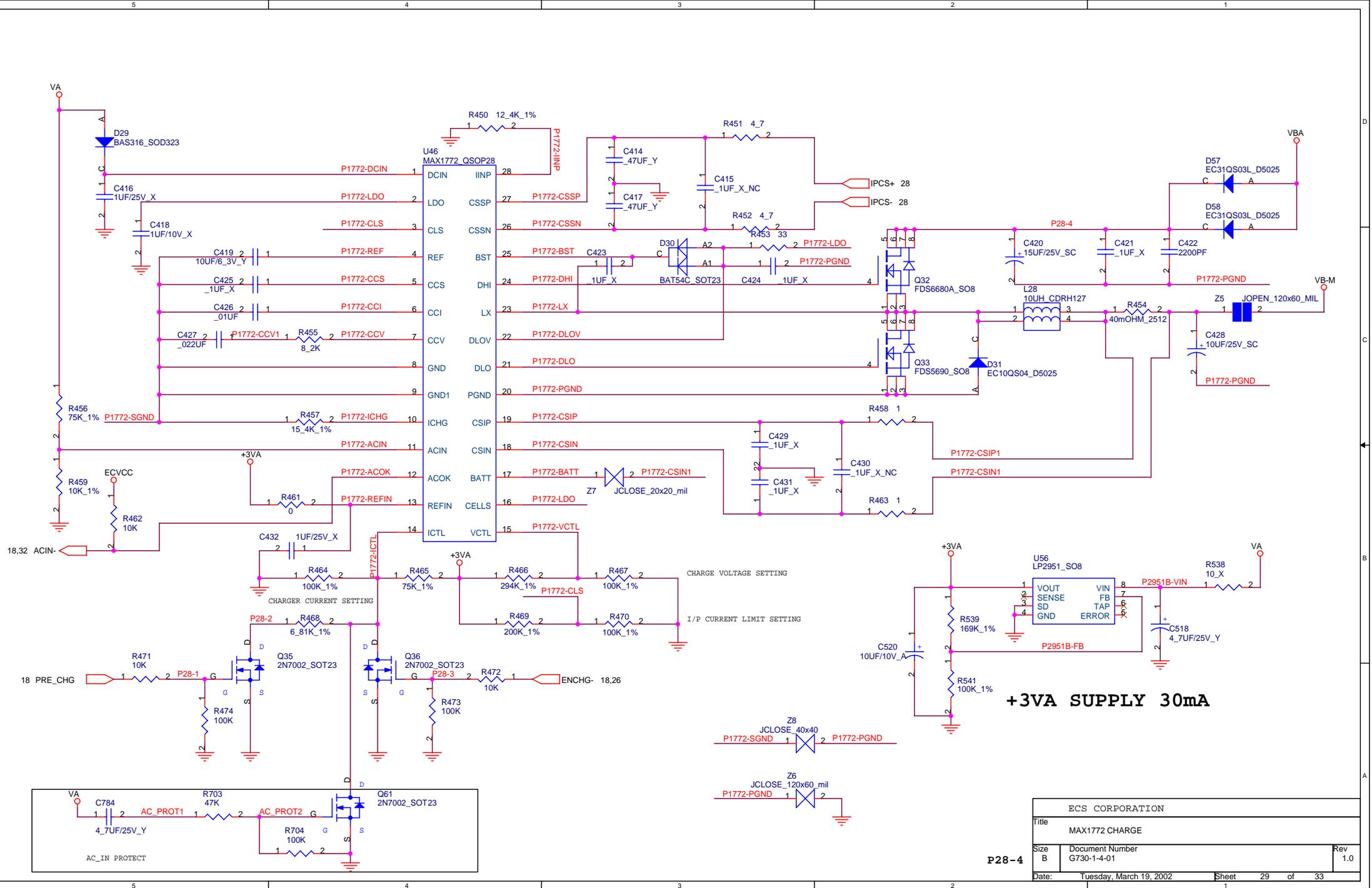
P23-1

ECS CORPORATION		
Title IR & IO CONN.		
Size B	Document Number G730-1-4-01	Rev 1.0
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P27-21

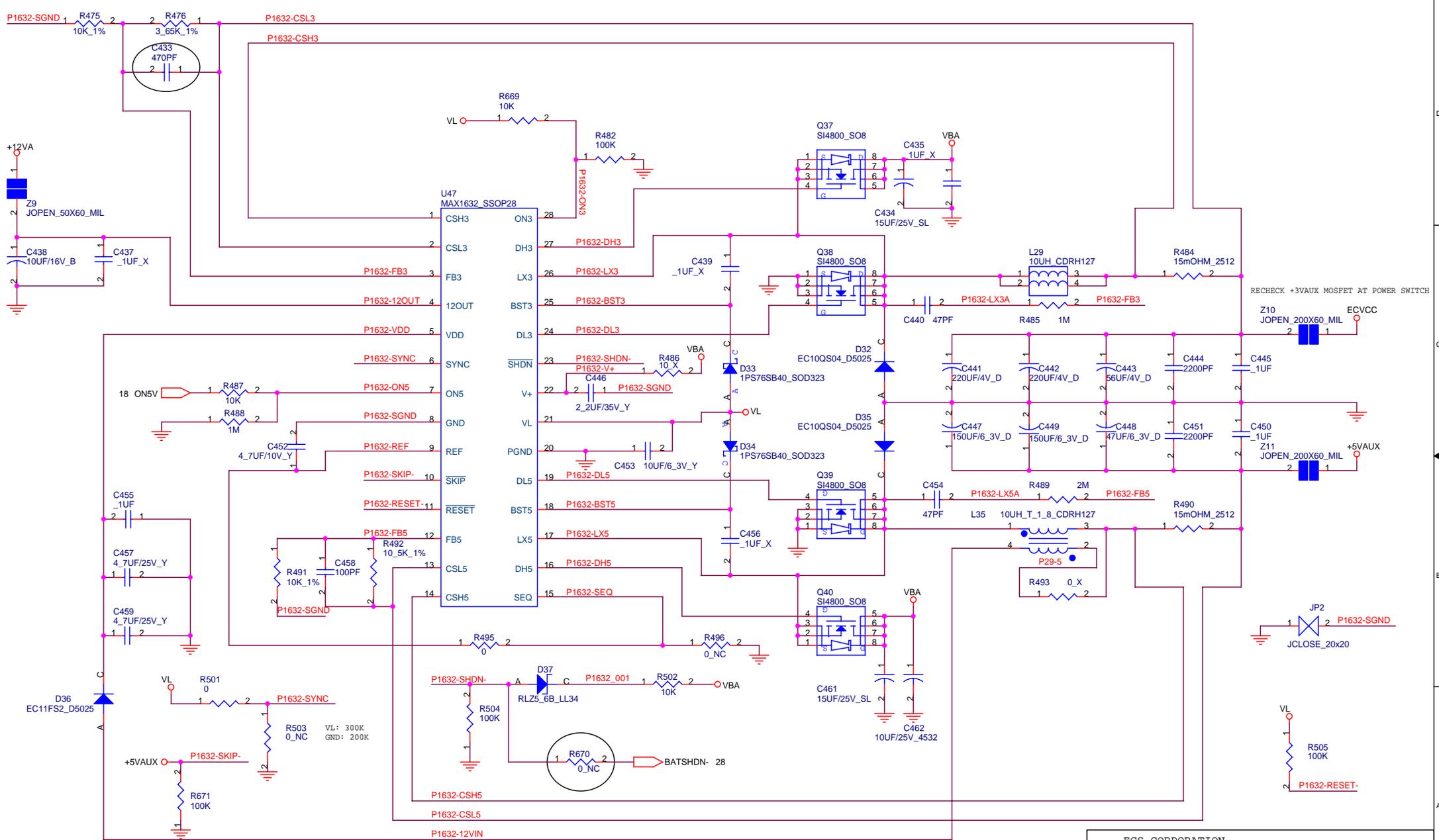
ECS CORPORATION		
Title SELECT		
Size Custom	Document Number G730-1-4-01	Rev 1.0
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+3VA SUPPLY 30mA

ECS CORPORATION		
Title MAX1772 CHARGE		
Size B	Document Number G730-1-4-01	Rev 1.0
Date Tuesday, March 19, 2002	Sheet 29	of 33

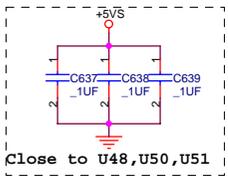
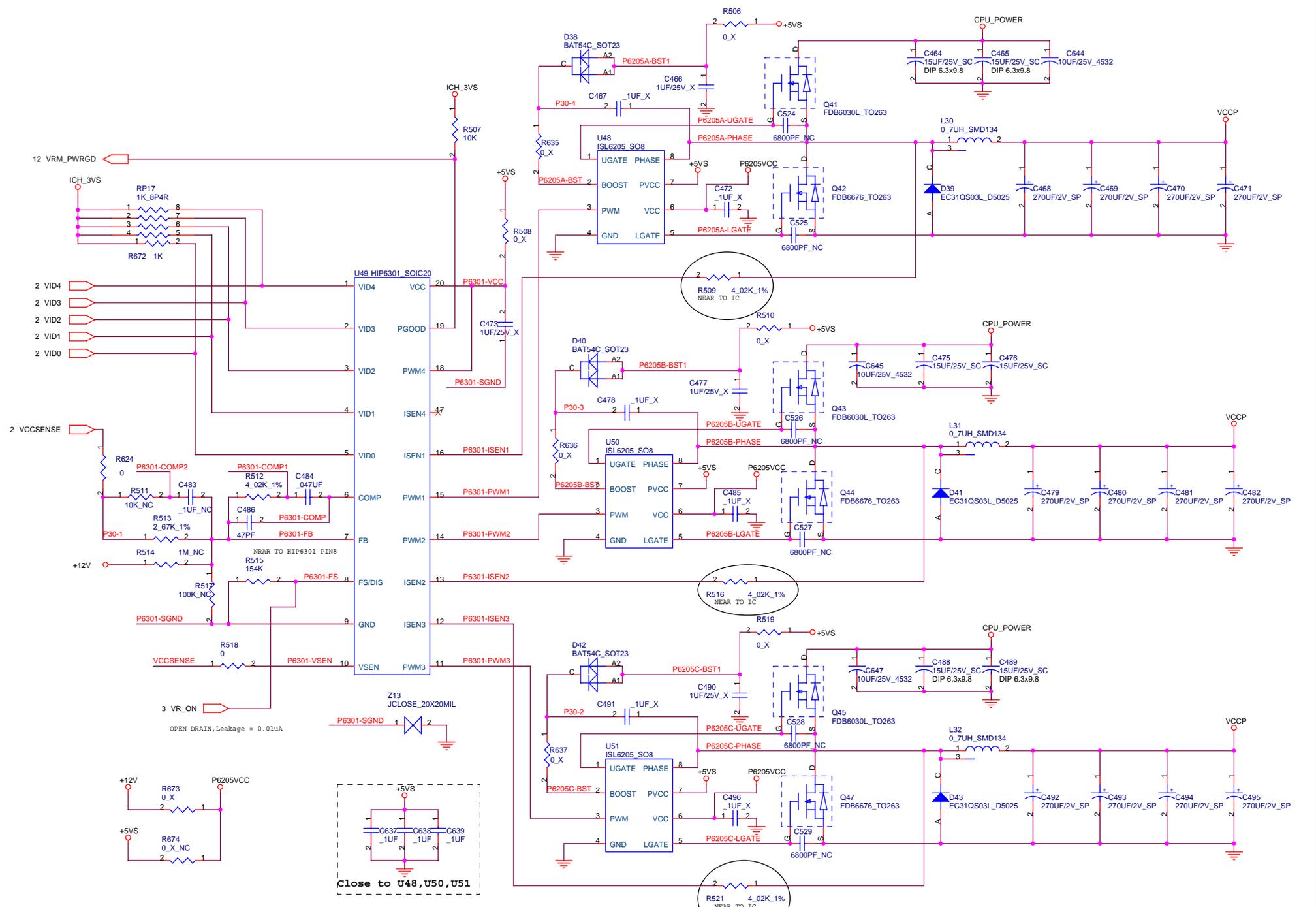
P28-4



RECHECK +3VAUX MOSFET AT POWER SWITCH

ECS CORPORATION		
Title MAX 1632 SYSTEM POWER		
Size B	Document Number G730-1-4-01	Rev 1.B
Date: Tuesday, March 19, 2002	Sheet 30	of 33

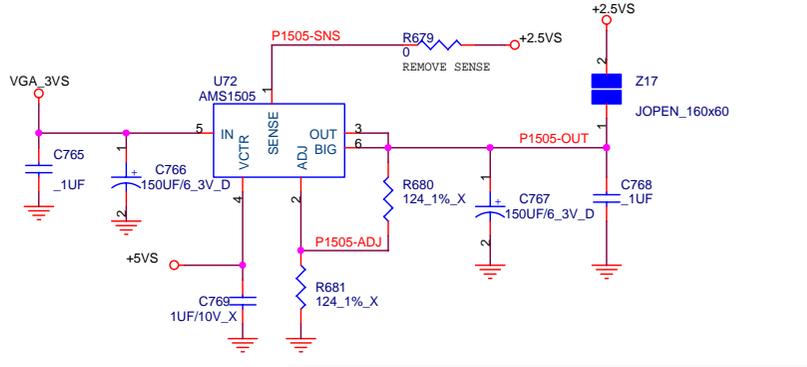
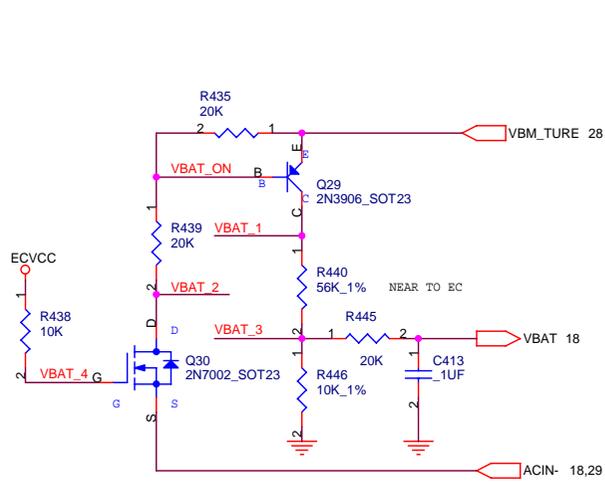
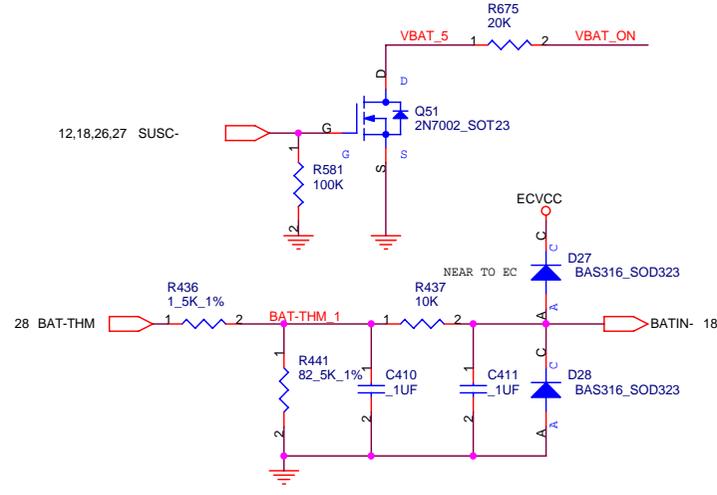
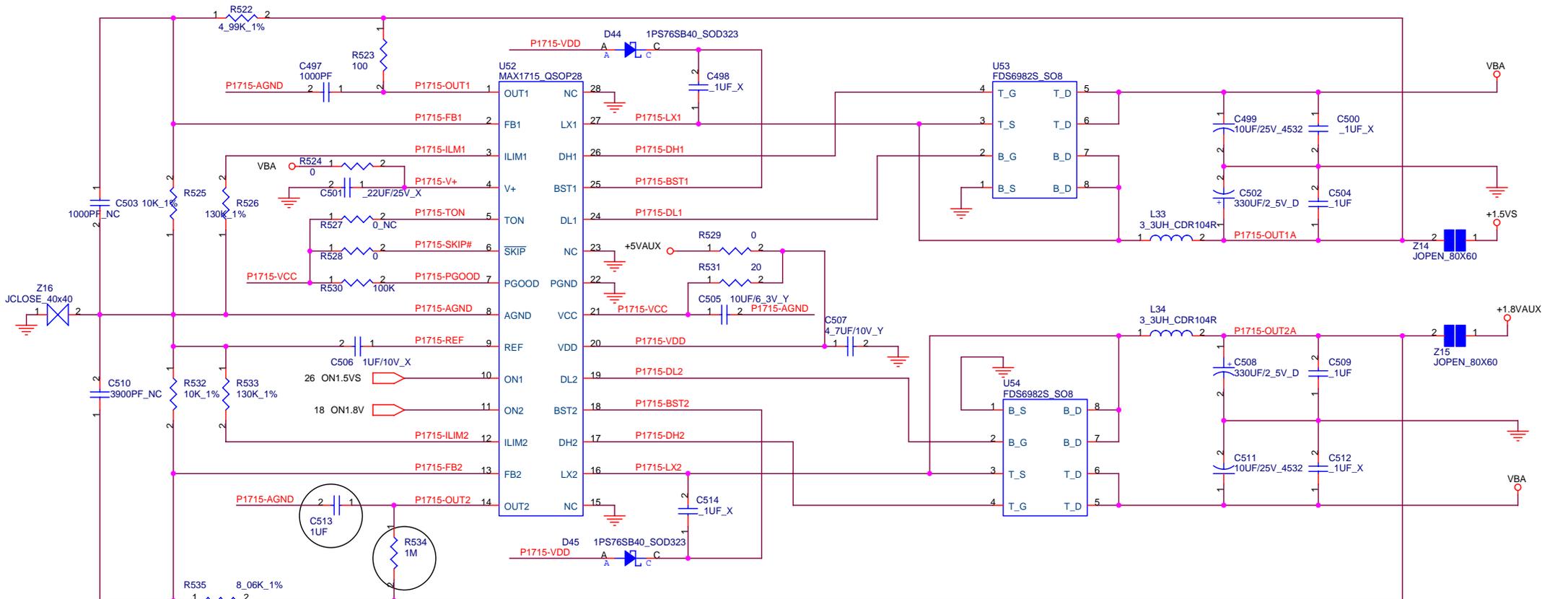
P29-8



Close to U48,U50,U51

OPEN DRAIN, Leakage = 0.01uA

ECS CORPORATION			
Title HIP6301 CPU POWER			
Size P30-1	Document Number CustomG730-1-4-01	Rev 1.0	
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ECS CORPORATION		
Title MAX 1715 VGA POWER		
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1.0 : Initial release .

1.A : Audio quality : To add CX1-CX3 (.1uF) ,C795(0ohm) and delete C633,C634(1000PF)

Change R633,R634 from 0ohm to 47ohm .

Audio DJ play status : Delete R417 and add Rx1 47Kohm .

1.B : To prevent system auto shut down : C433 220PF change to 470PF .

1.C : To improve EC 87591 thermal diode precision when system is in high temperature .

To delete C212 103PF .

ECS CORPORATION			
Title			
HISTORY			
Size	Document Number		Rev
B	G730-1-4-01		1.C
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