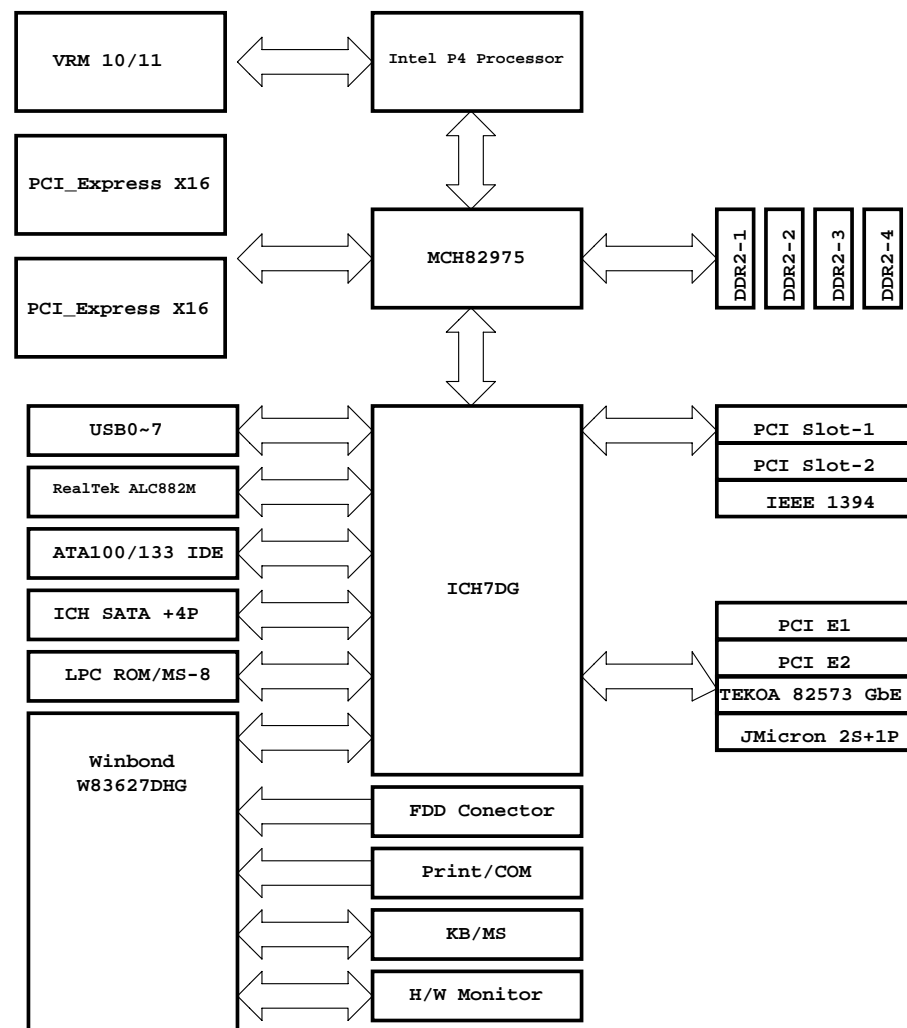


MS-7246 Version: 2.1



001-System Block Diagram

002-Power Delivery

003-VRD11 RT8802A 4Phase

004-Clock Generator

005-Intel LGA775 - Signals

006-Intel LGA775 - Power

007-Intel LGA775 - GND

008-MCH82975 CPU & PCIE Signal

009-MCH82975 Memory Signal

010-MCH82975 Misc & Power Signal

011-DDR II DIMM 1 & 2

012-DDR II DIMM 3 & 4

013-DDR II Termination & POWER

014-PEG Switch

015-PEGX16-1

016-PEGX16-2

017-ICH7 - PCI, DMI, CPU, IRQ

018- ICH7 - LPC, ATA, USB, GPIO

019-ICH7 - POWER & GND

020-RealTek ALC882M Audio

021-PCI Slot 1 & 2

022-1394 VIA VT-6307/6308P

023-Intel TEKOA Lan

024-JMicron 361/363

025- FWH SIO W83627EHG

026-MS-7 ACPI Controller

027-MS-8 & FirmwareHub

028-ATXPOWER & USB

029-Fintek F75334D

030-Fan Control

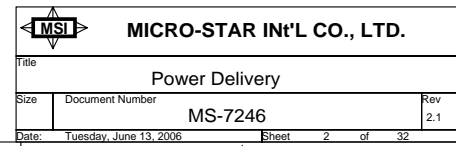
031-Auto BOM manual

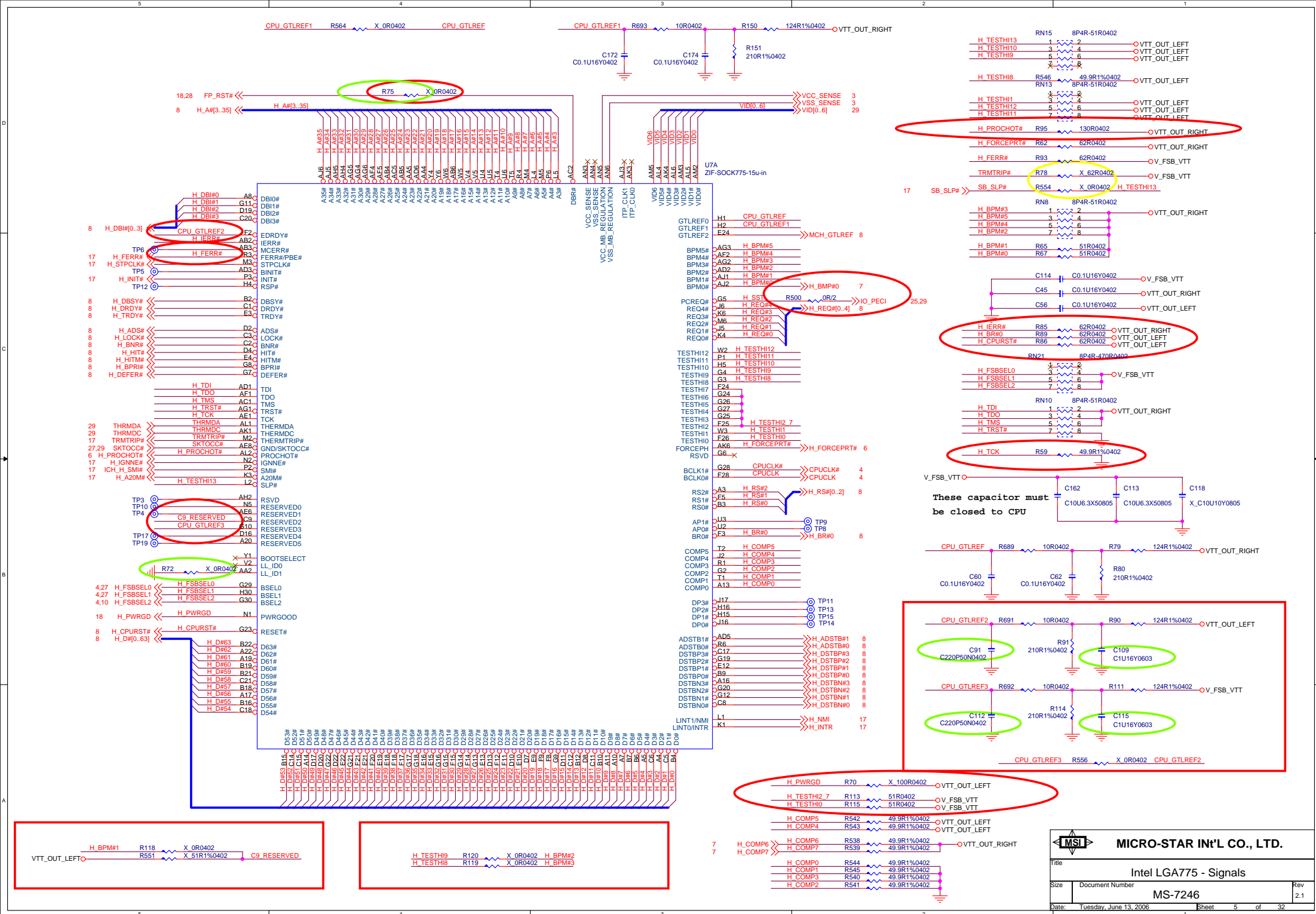
032-History

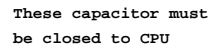
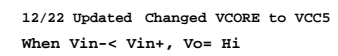
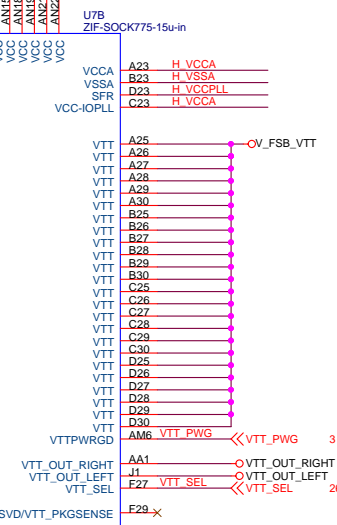


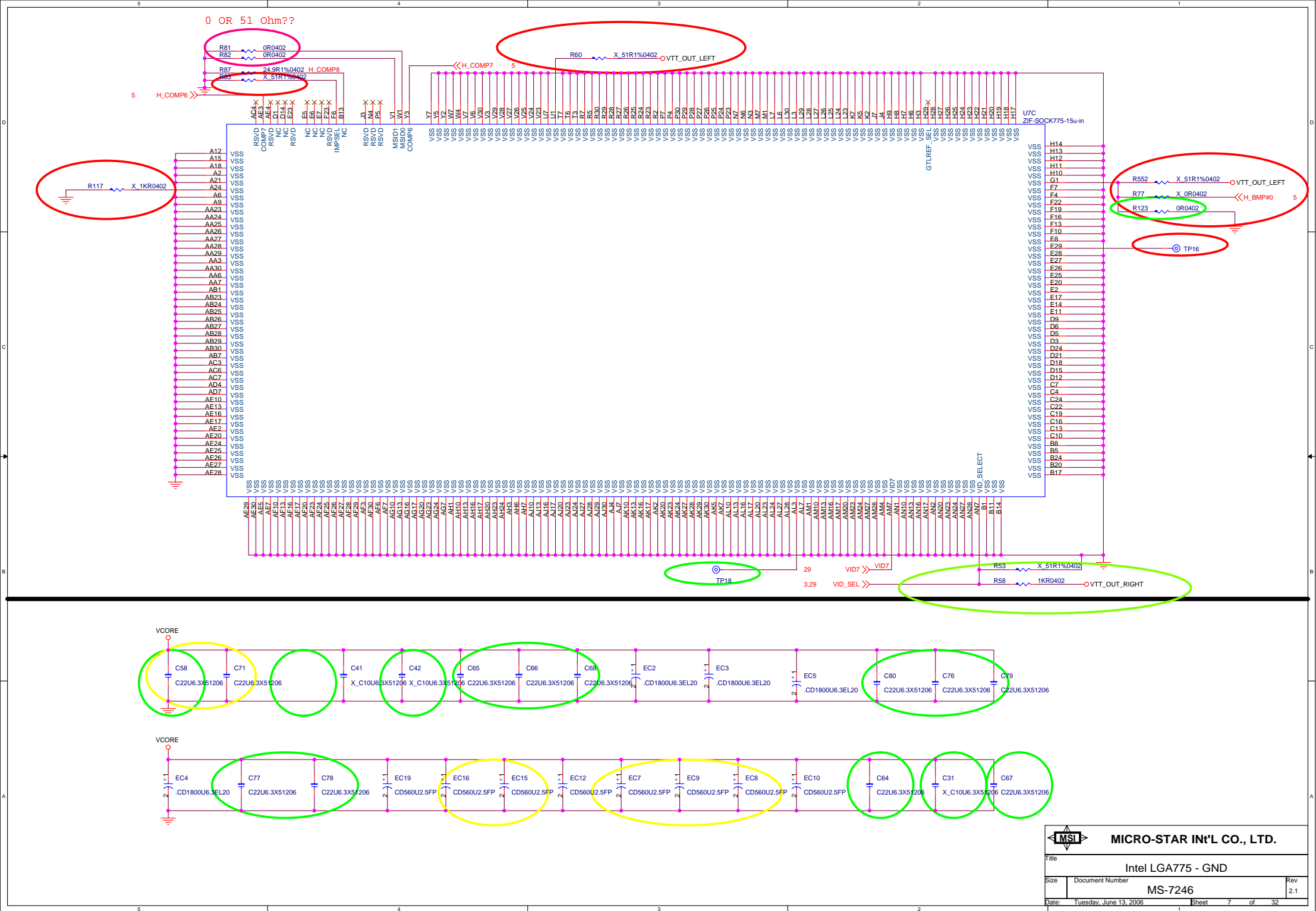
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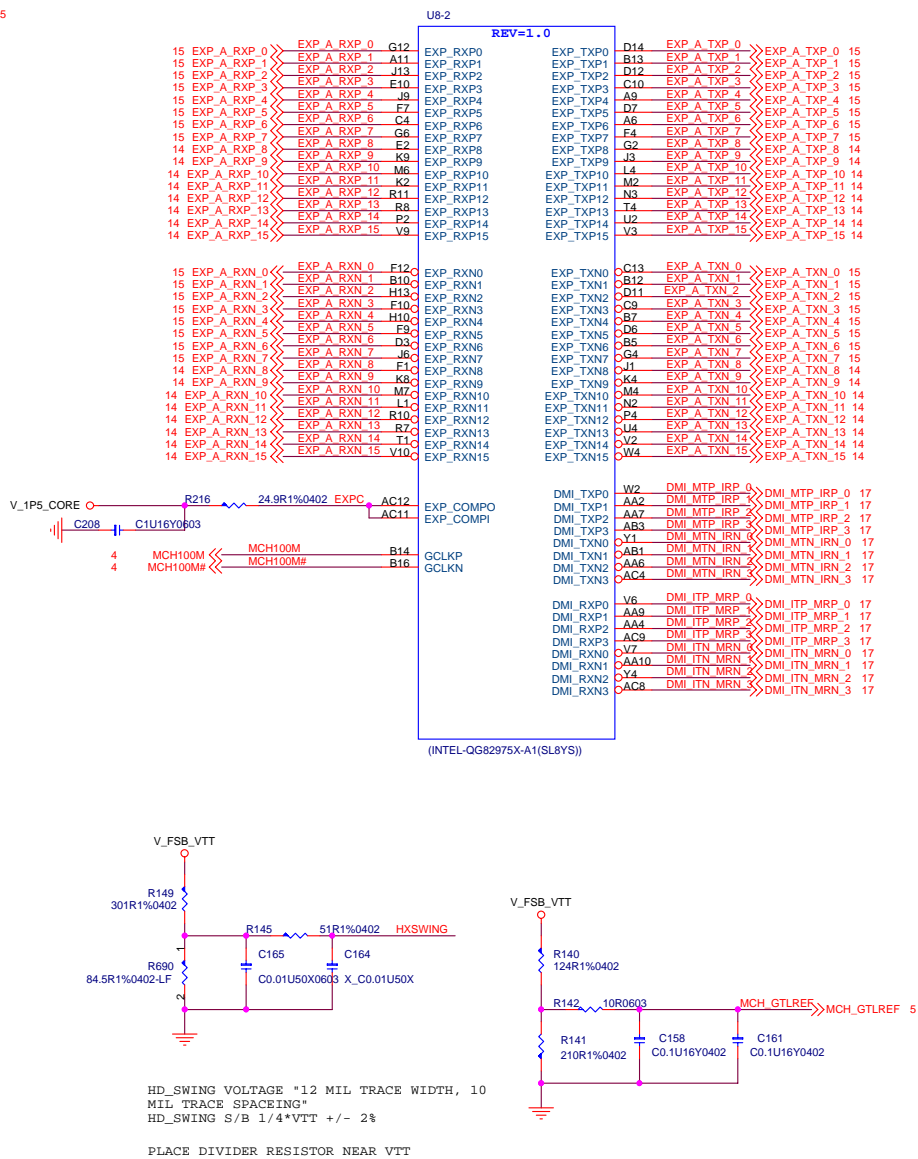
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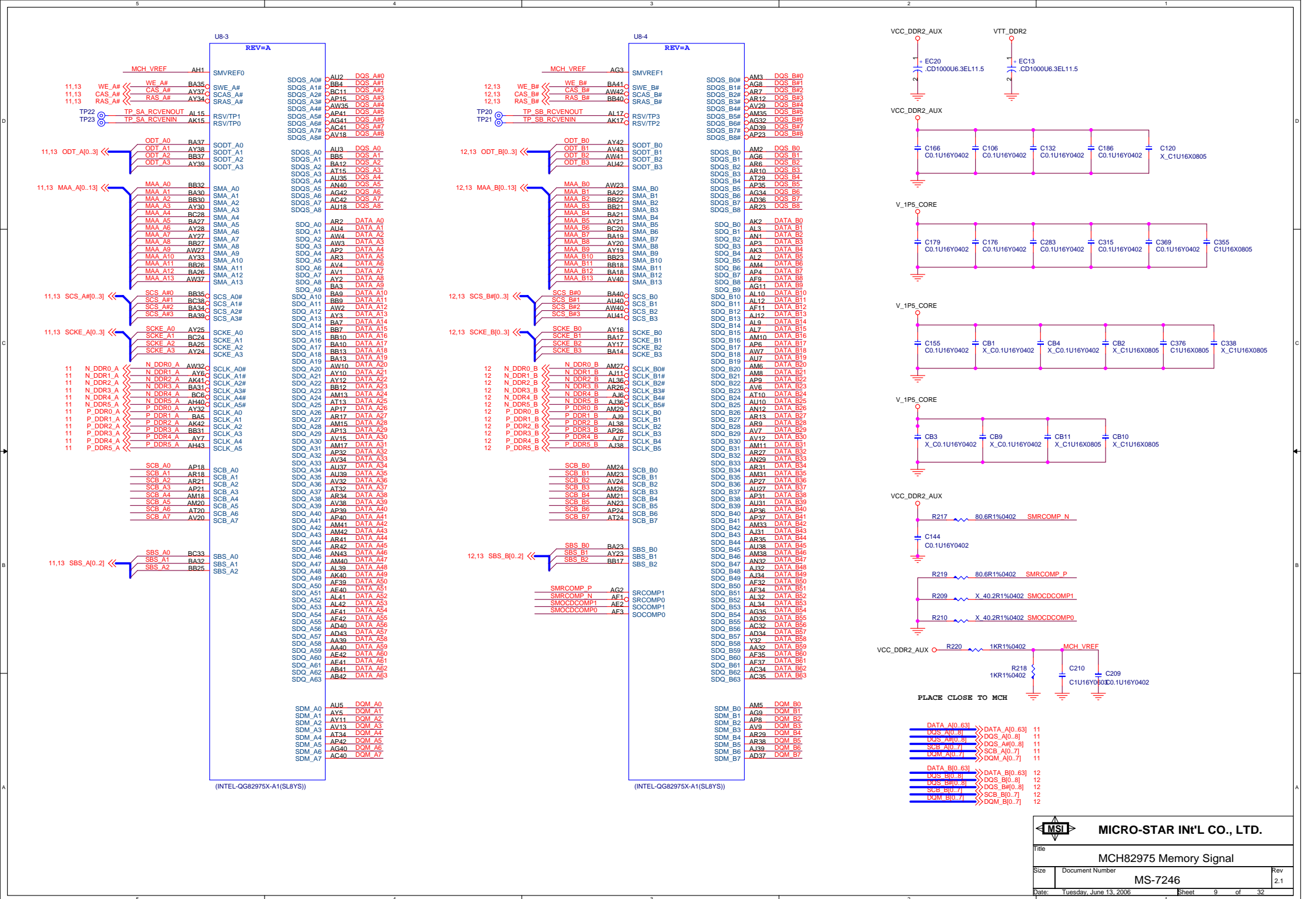




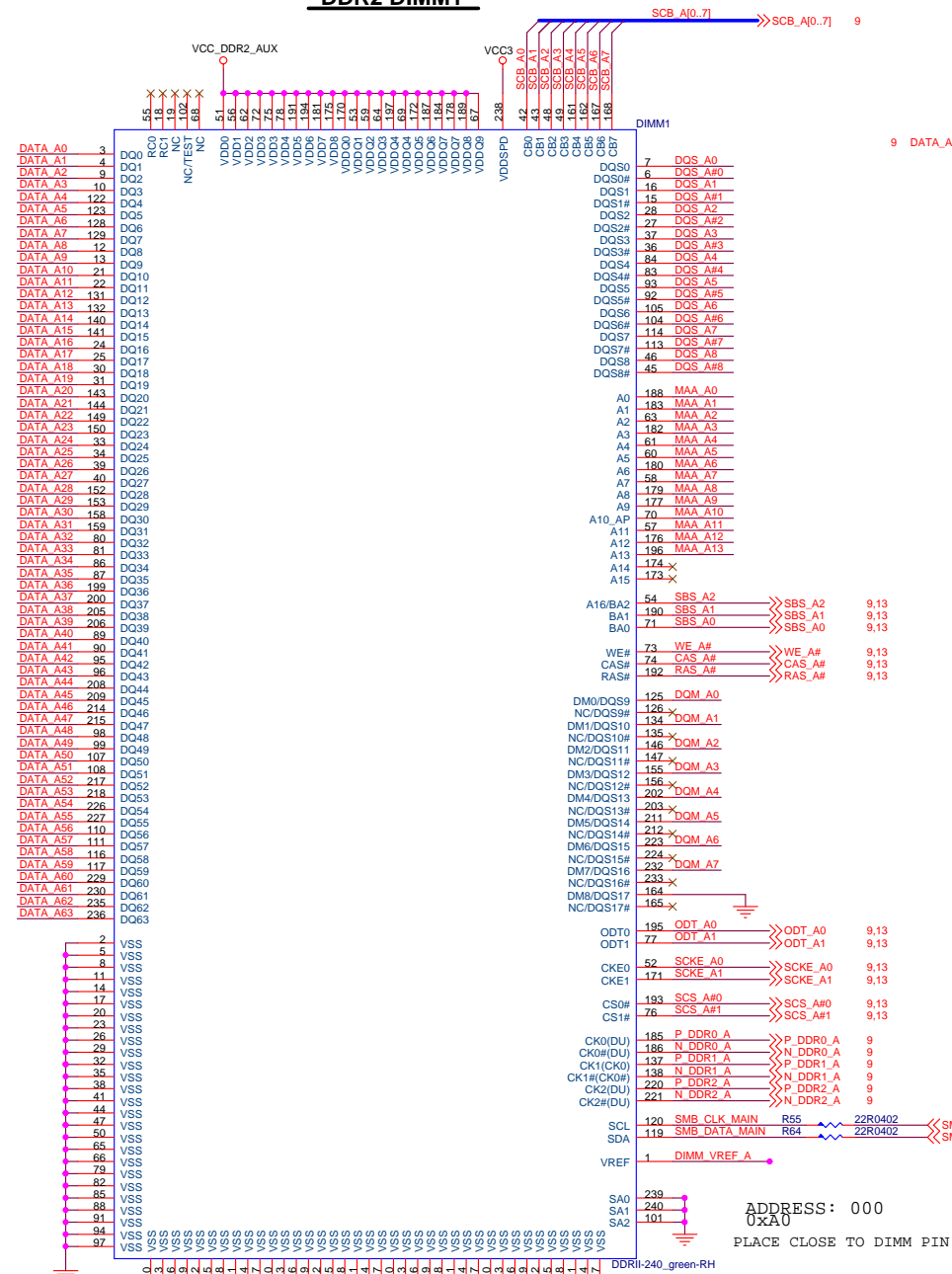




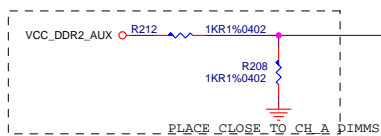
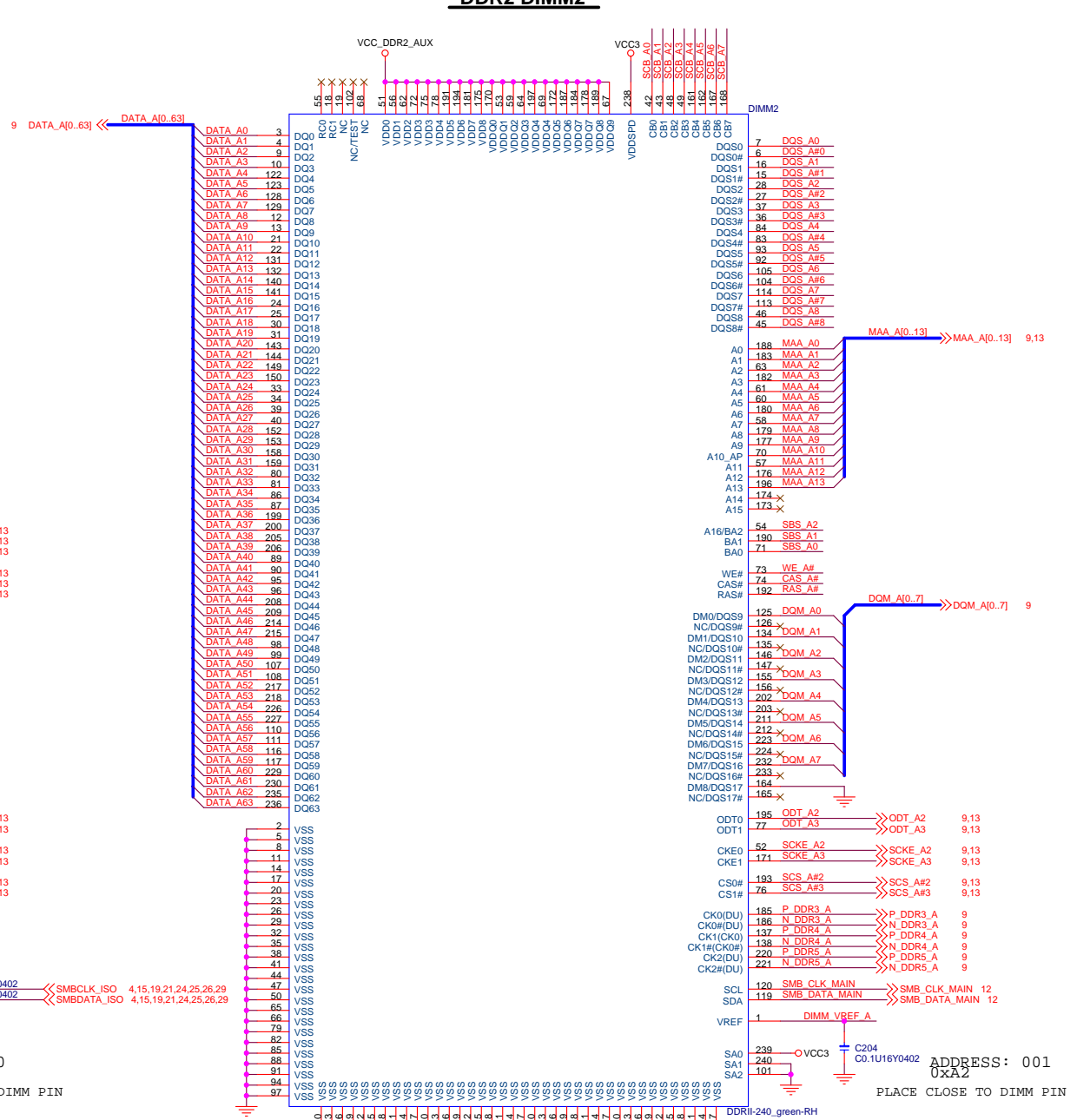




DDR2 DIMM1



DDR2 DIMM2



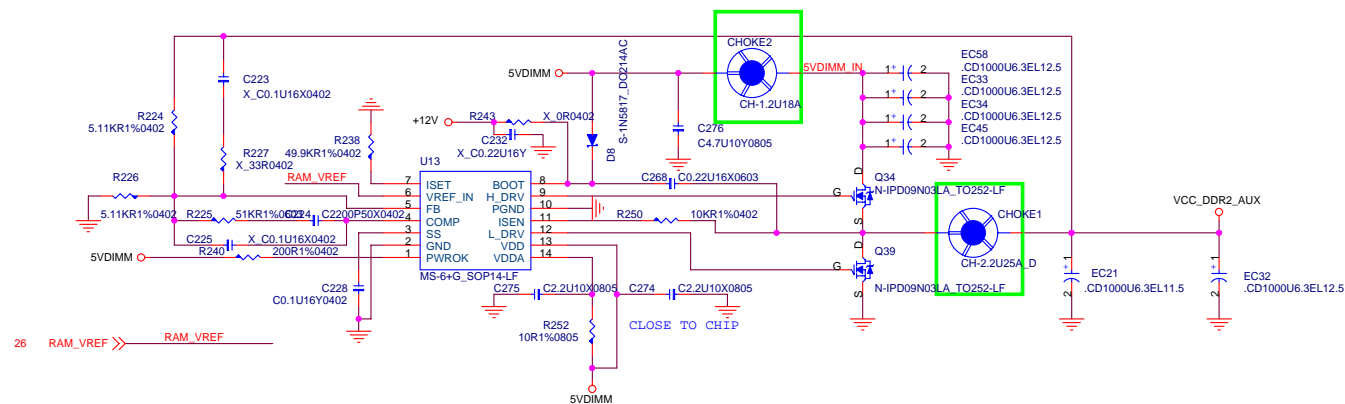
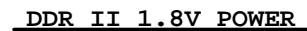
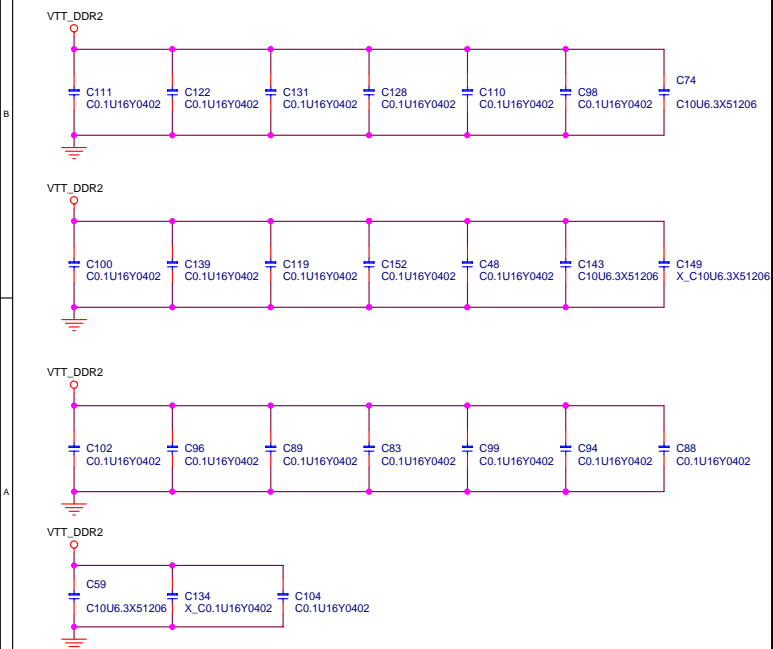
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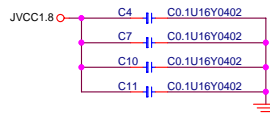
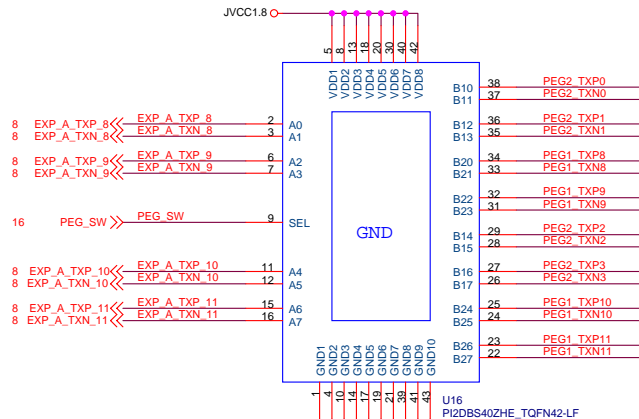
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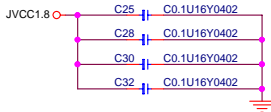
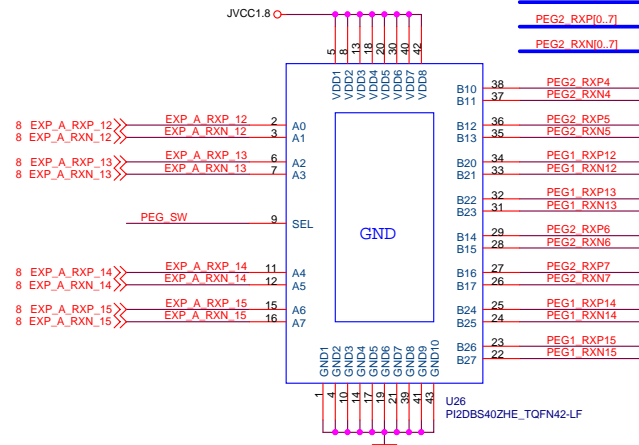
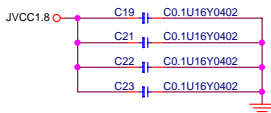
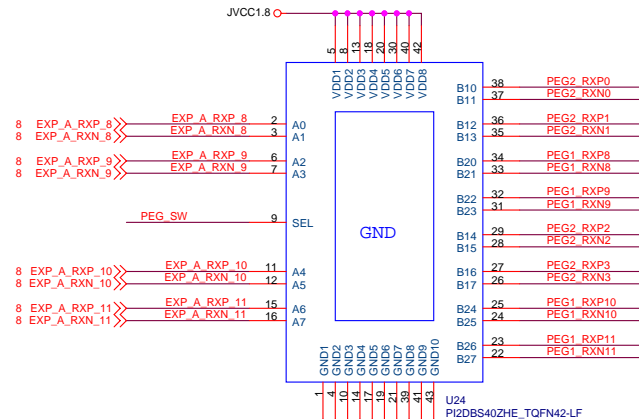
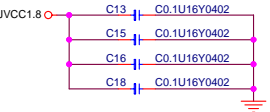
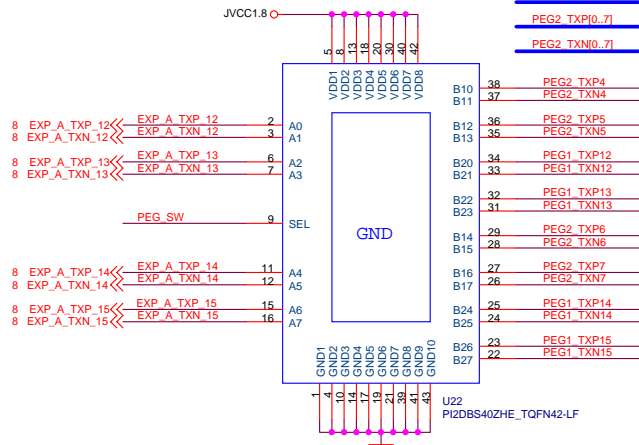
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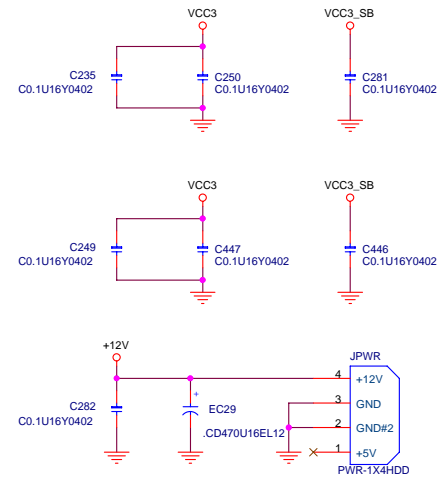
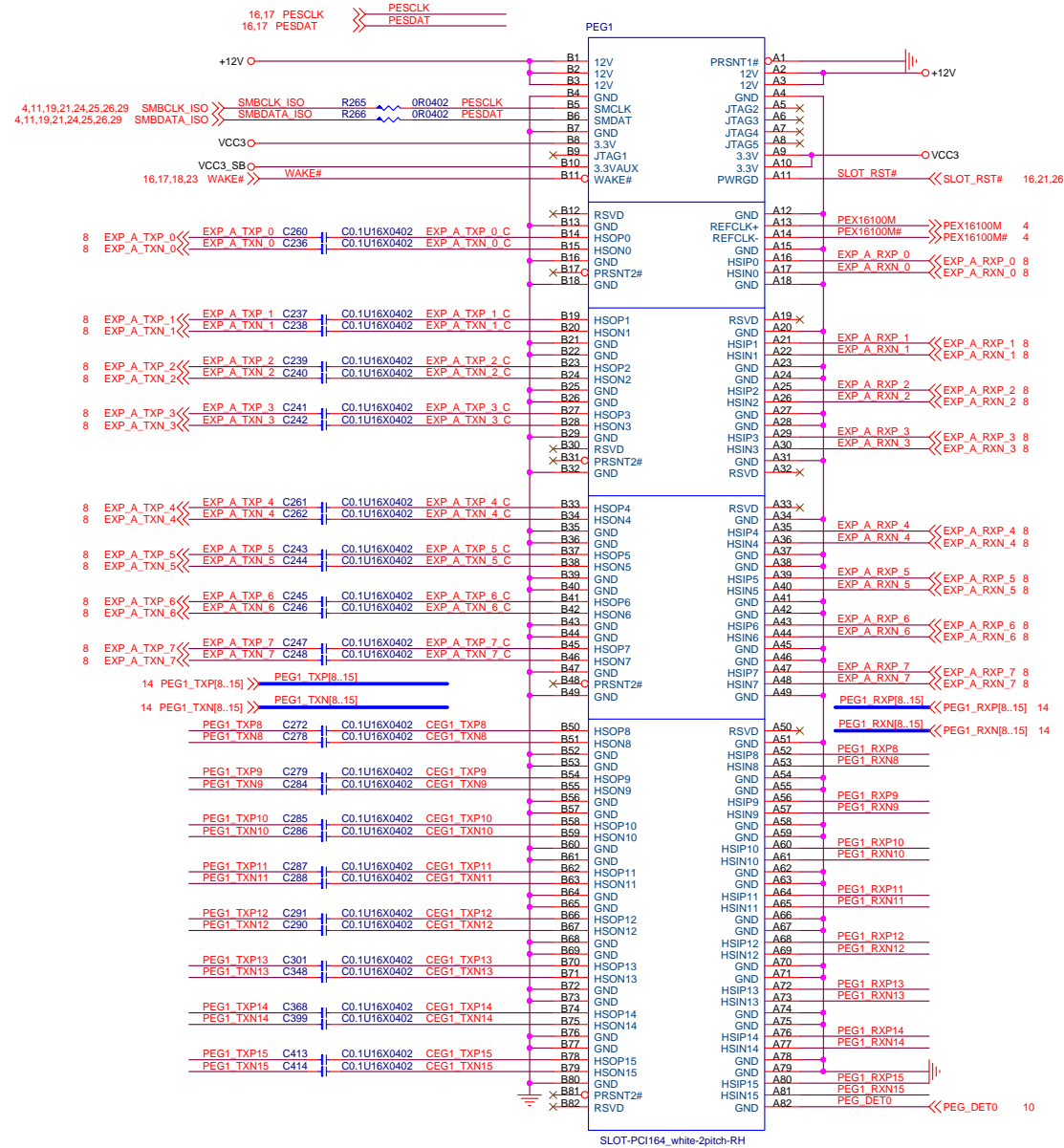
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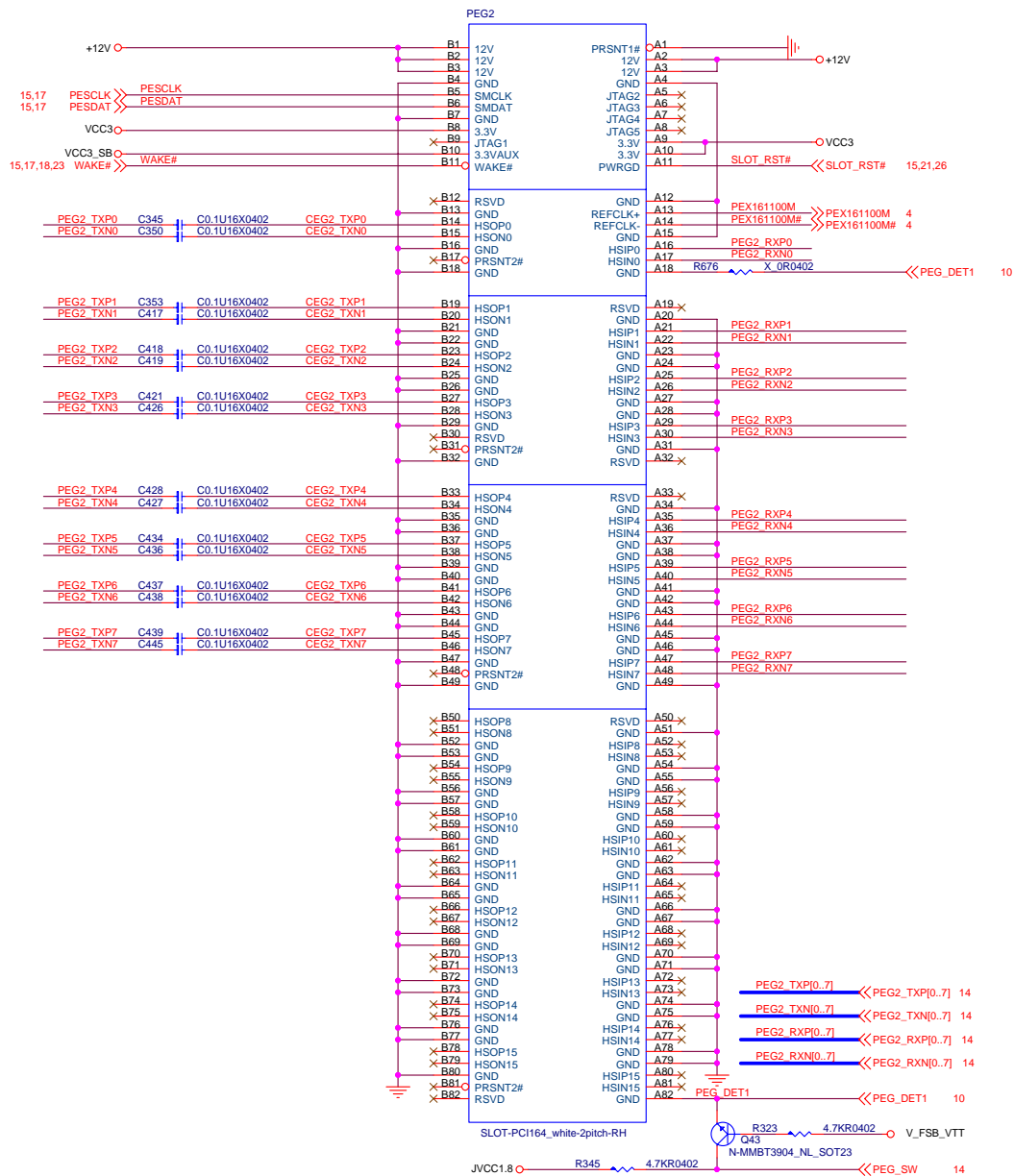


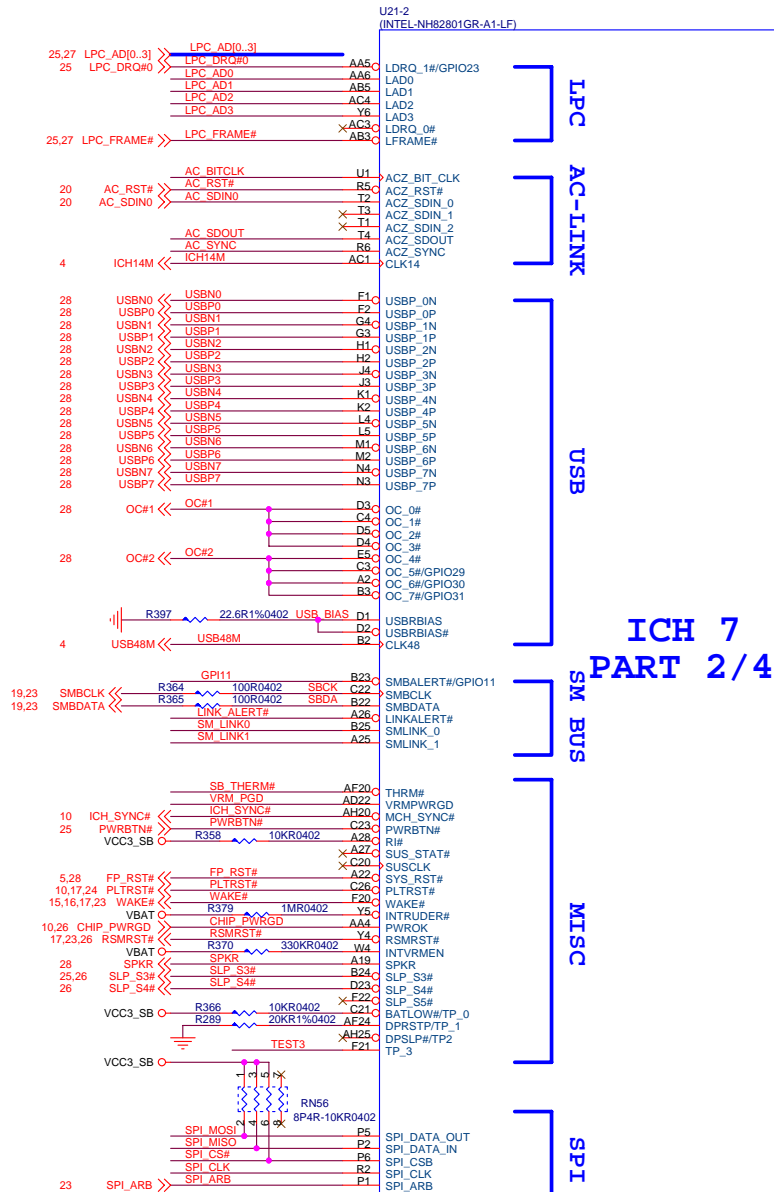


PE_SLI_DET#	FUNCTION
H	An to B2n
L	An to B1n

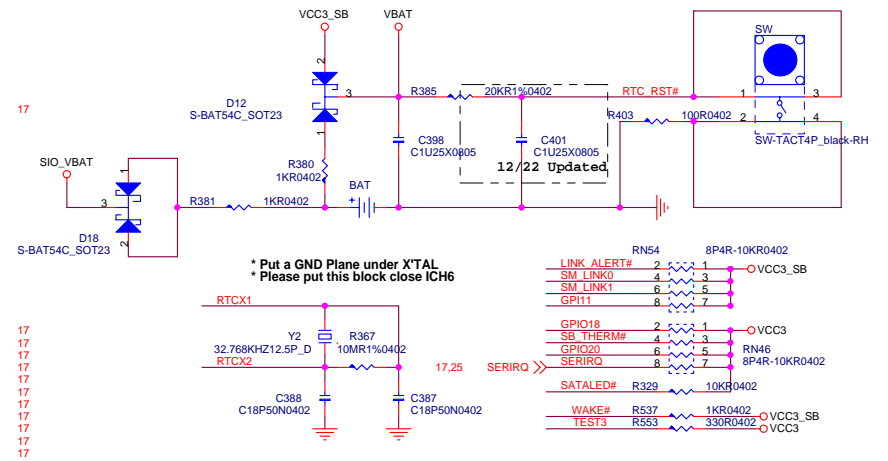
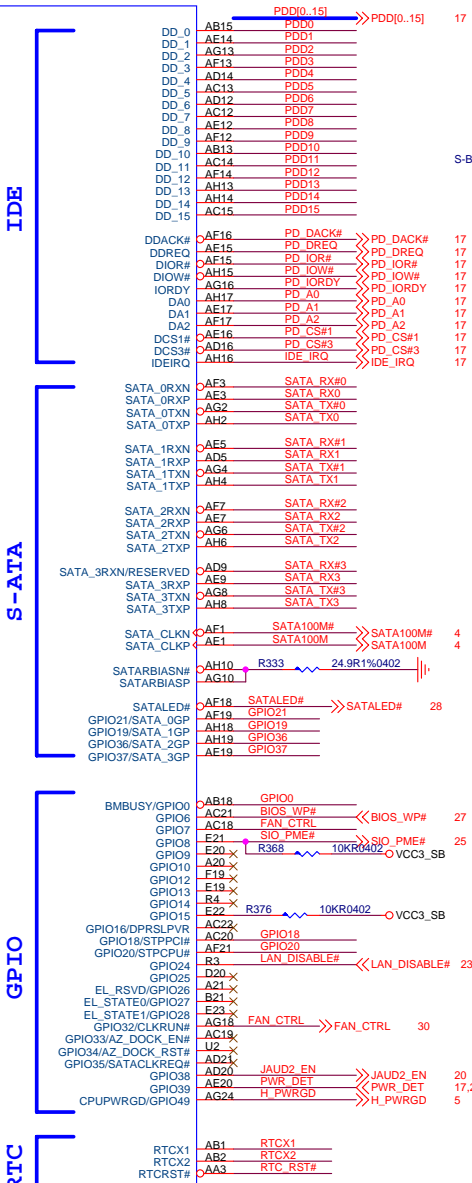




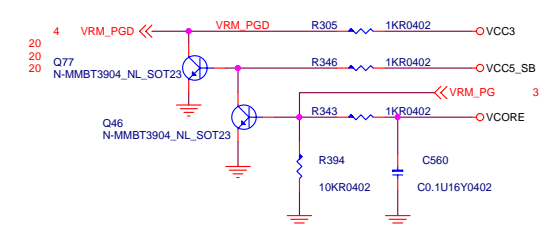
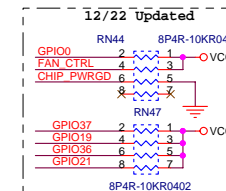
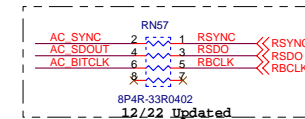
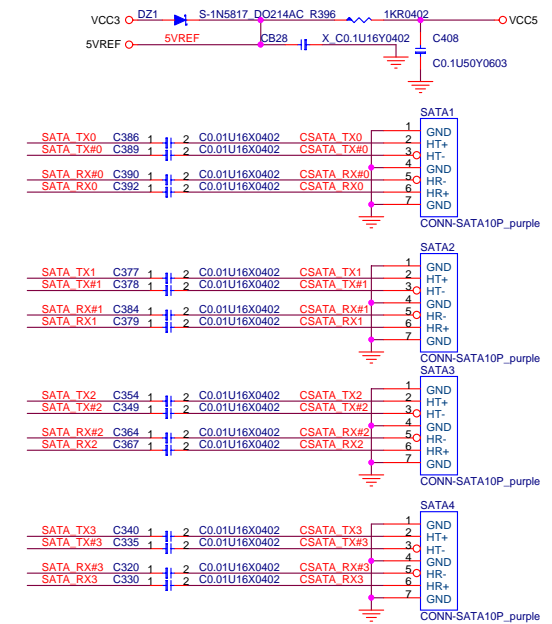




ICH 7 PART 2/4



5VREF Sequencing Circuit



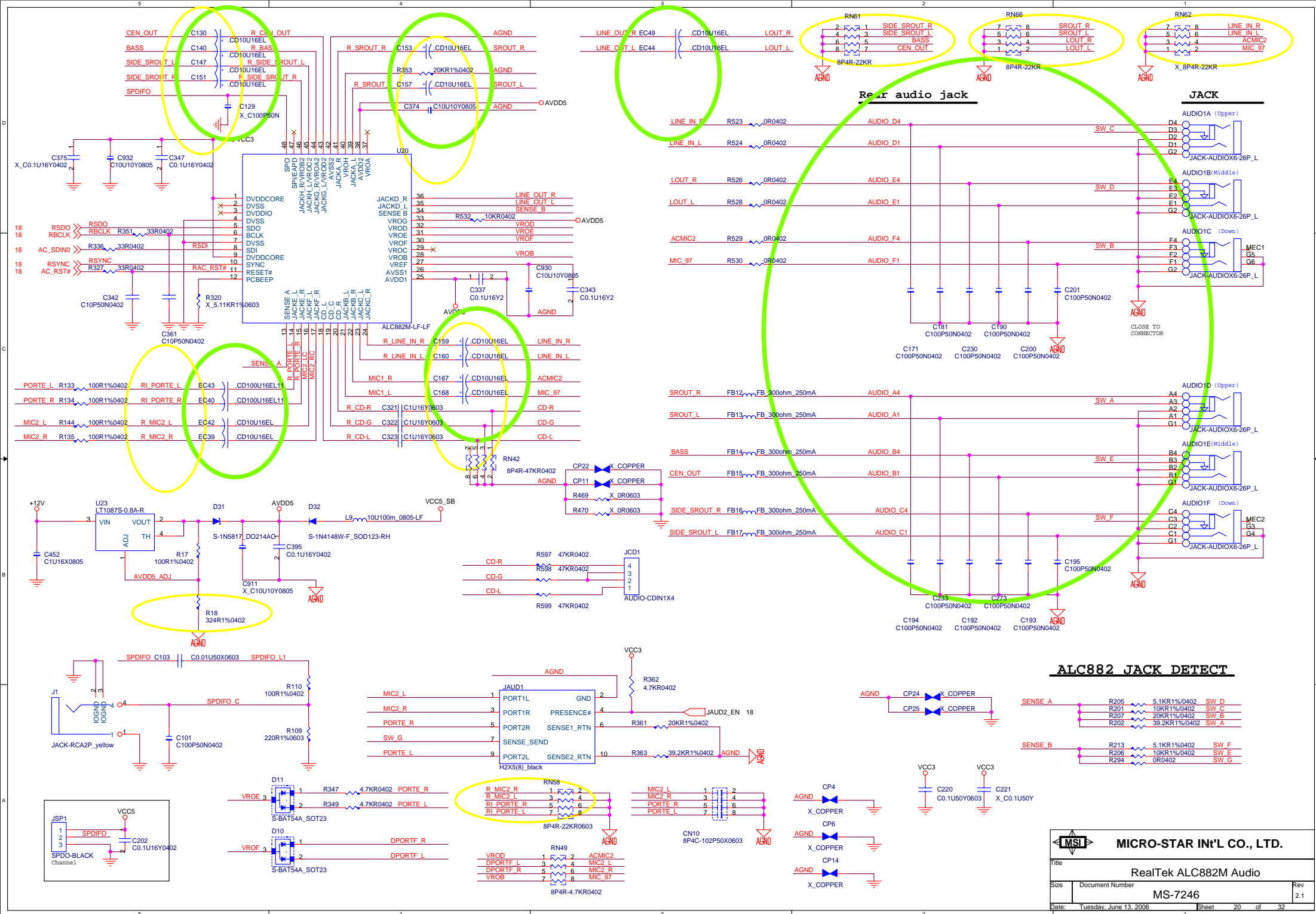
MSI MICRO-STAR INT'L CO., LTD.

Title ICH7 - LPC, ATA, USB, GPIO

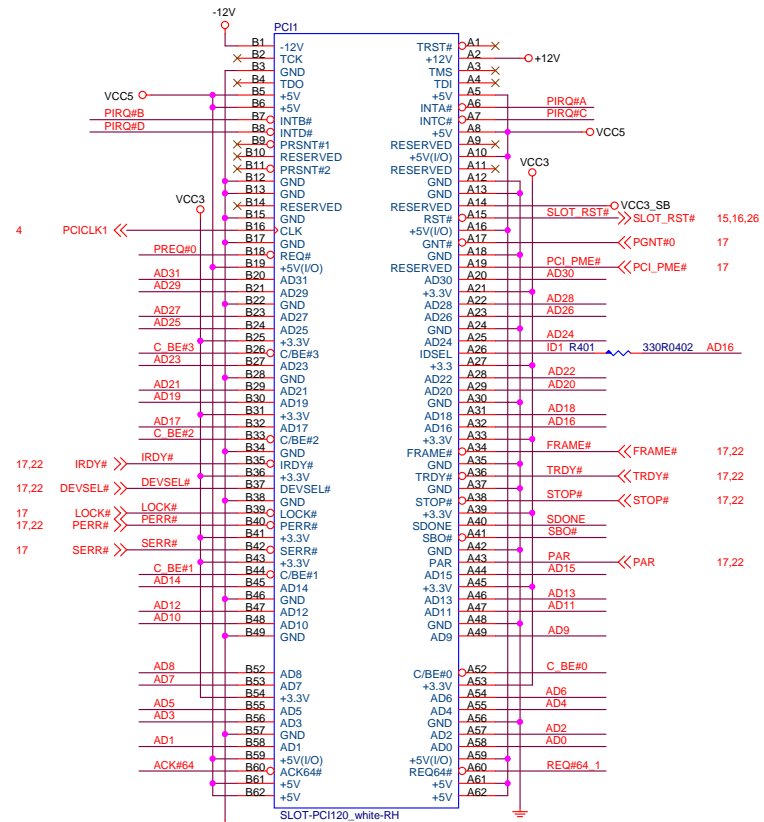
Size Document Number MS-7246

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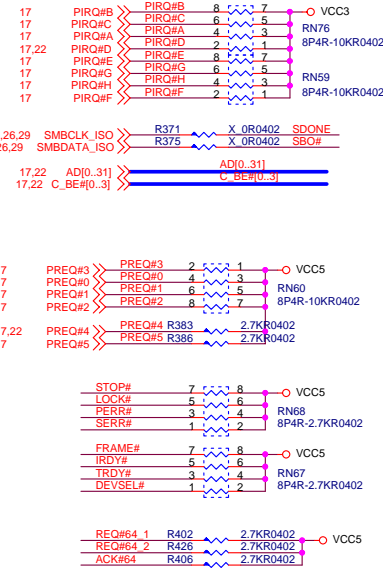


PCI SLOT 1 (PCI VER: 2.2 COMPLY)

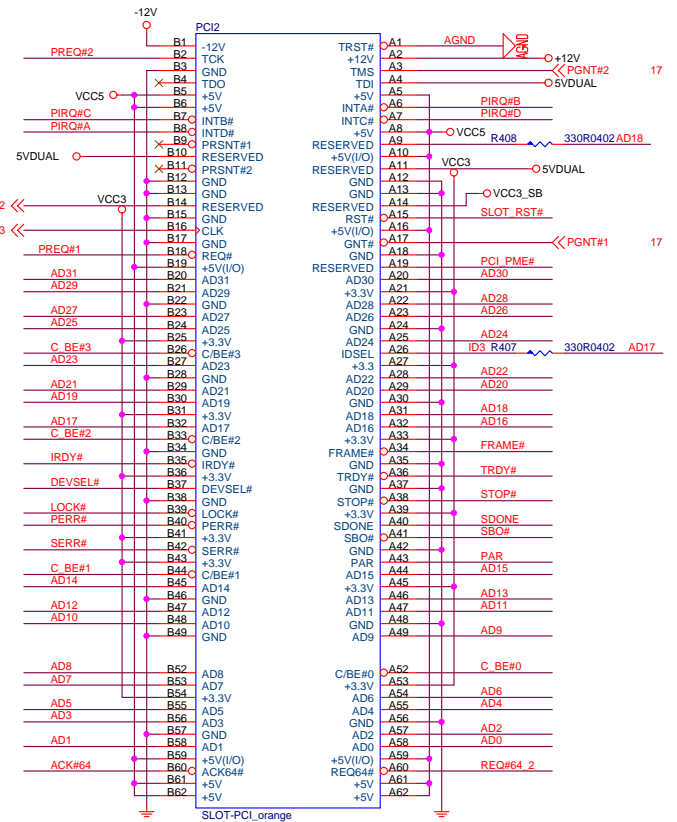


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MASTER = PREQ#1
PIRQ#A

PCI PULL-UP / DOWN RESISTORS

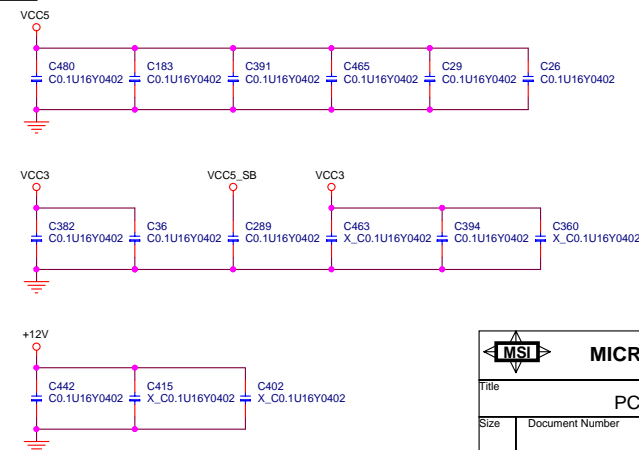
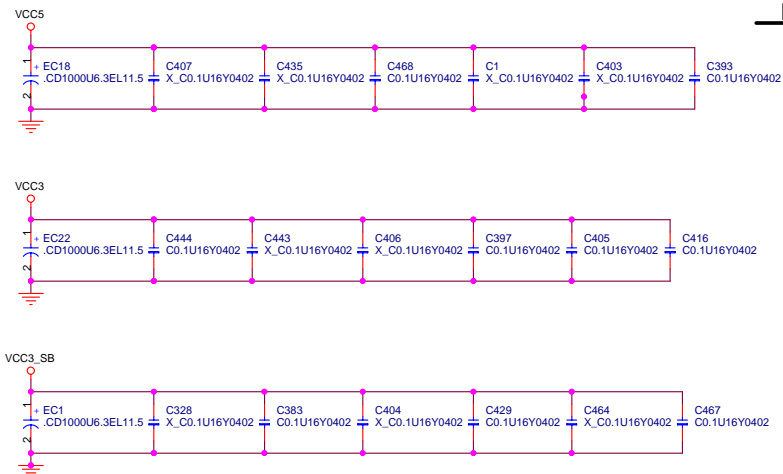


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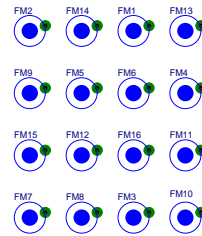


IDSEL = AD17 IDSEL = AD18
MASTER = PREQ#1 MASTER = PREQ#2
PIRQ#B

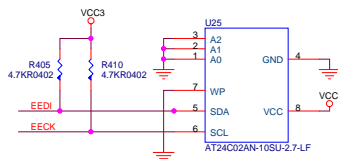
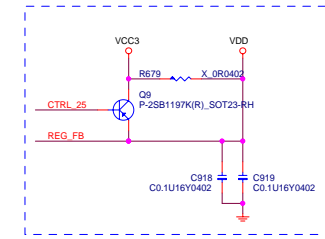
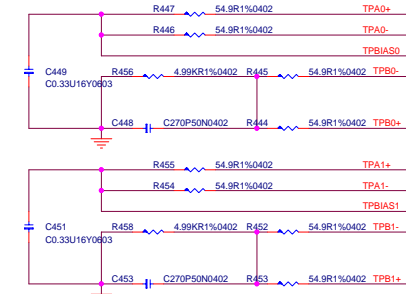
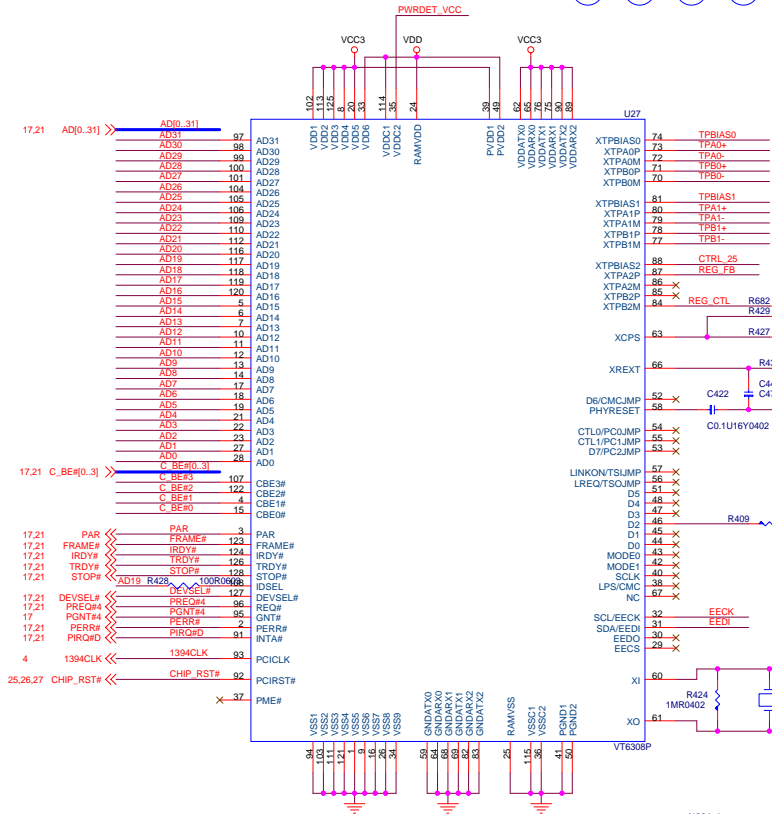
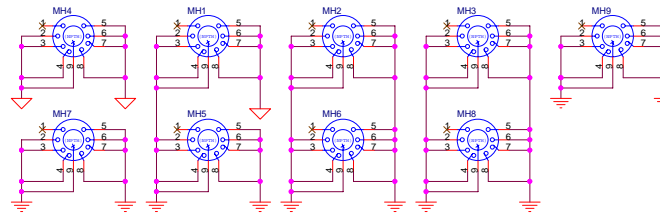
PCI SLOT DECOUPLING CAPACITORS



Optics Orientation Holes

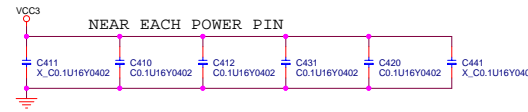
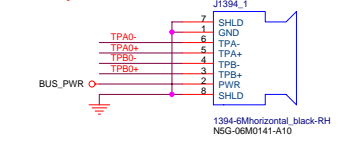
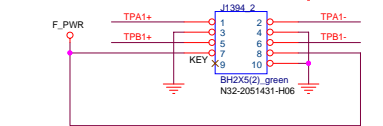


Mounting Holes

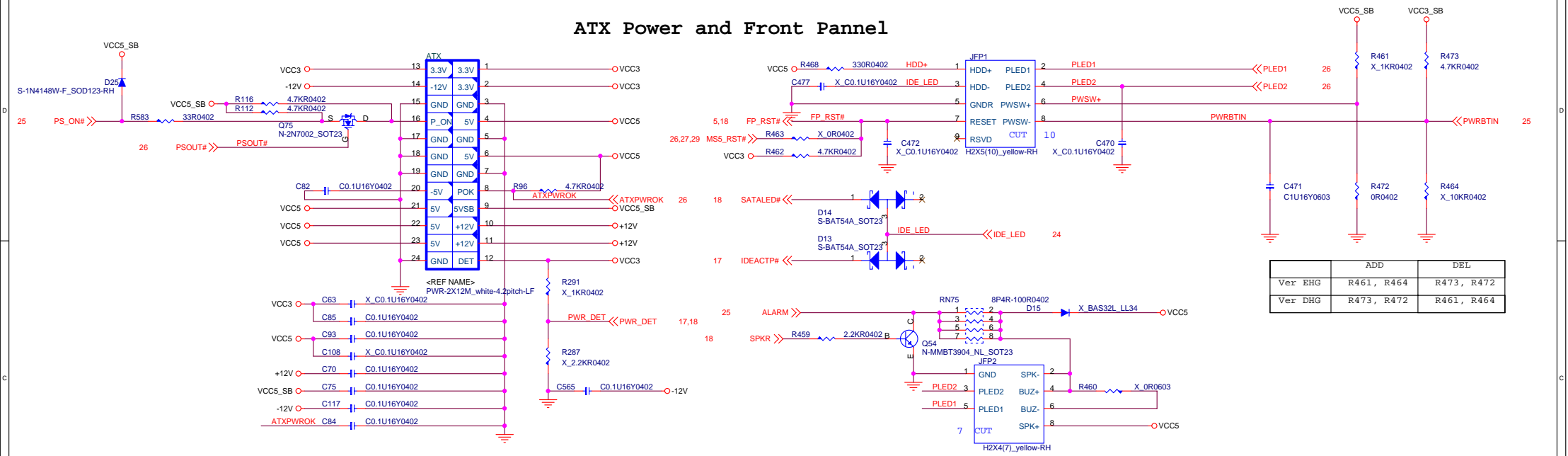


1394 CHIP	PWRDET_VCC	REG_CTL	VDD POWER
VT6307	R681	X	R679
VT6308P	R680	R682	Q9

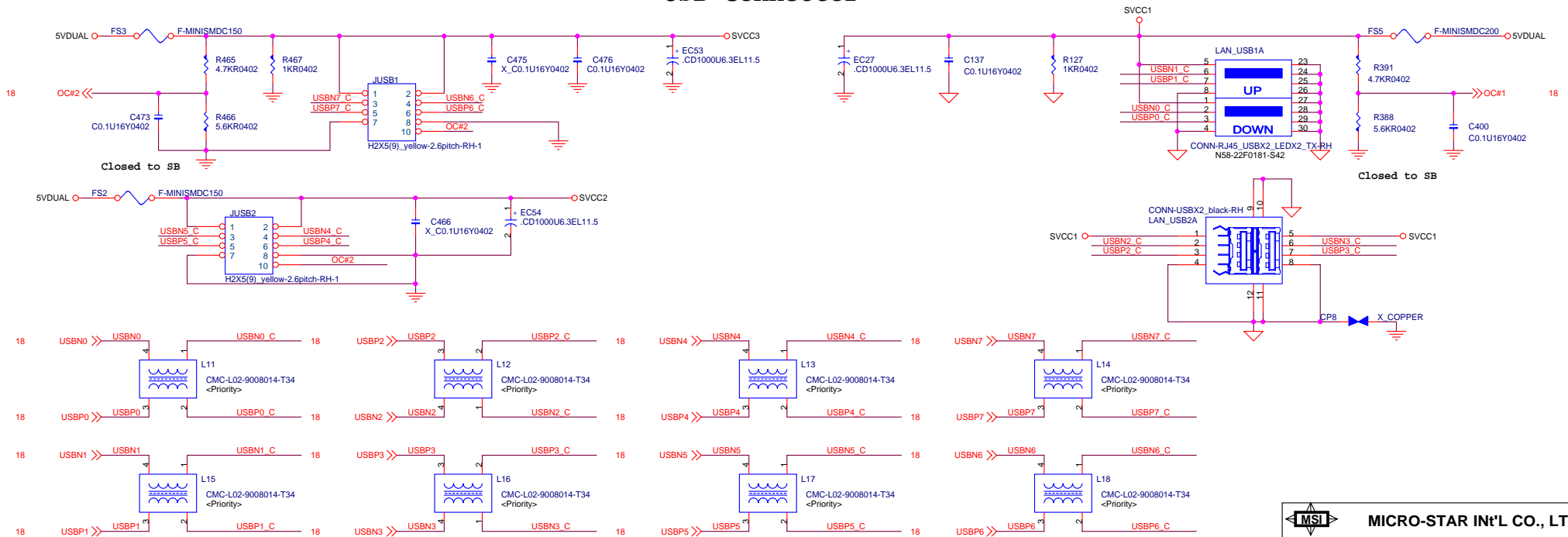
POWER Pin		
Pin	VT6307	VT6308P
84	NC	REG_CTL
87	NC	REG_FB
88	NC	CTRL_25
35	VCC	PWRDET_VCC
39	PVD	VCC
49	PVD	VDD
24	VCC	VDD
114	VCC	VDD
33	VCC	VDD



ATX Power and Front Panel

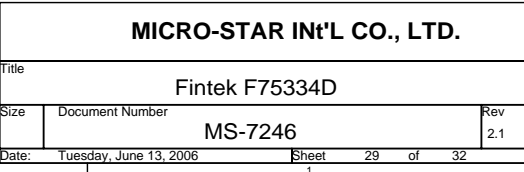


USB Connector

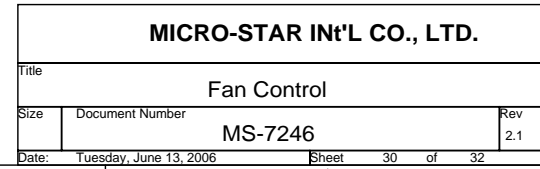


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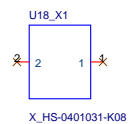
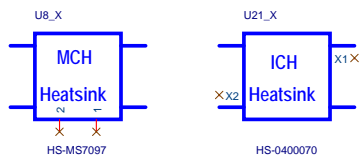


SYS FAN & PWR FAN

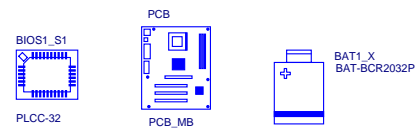


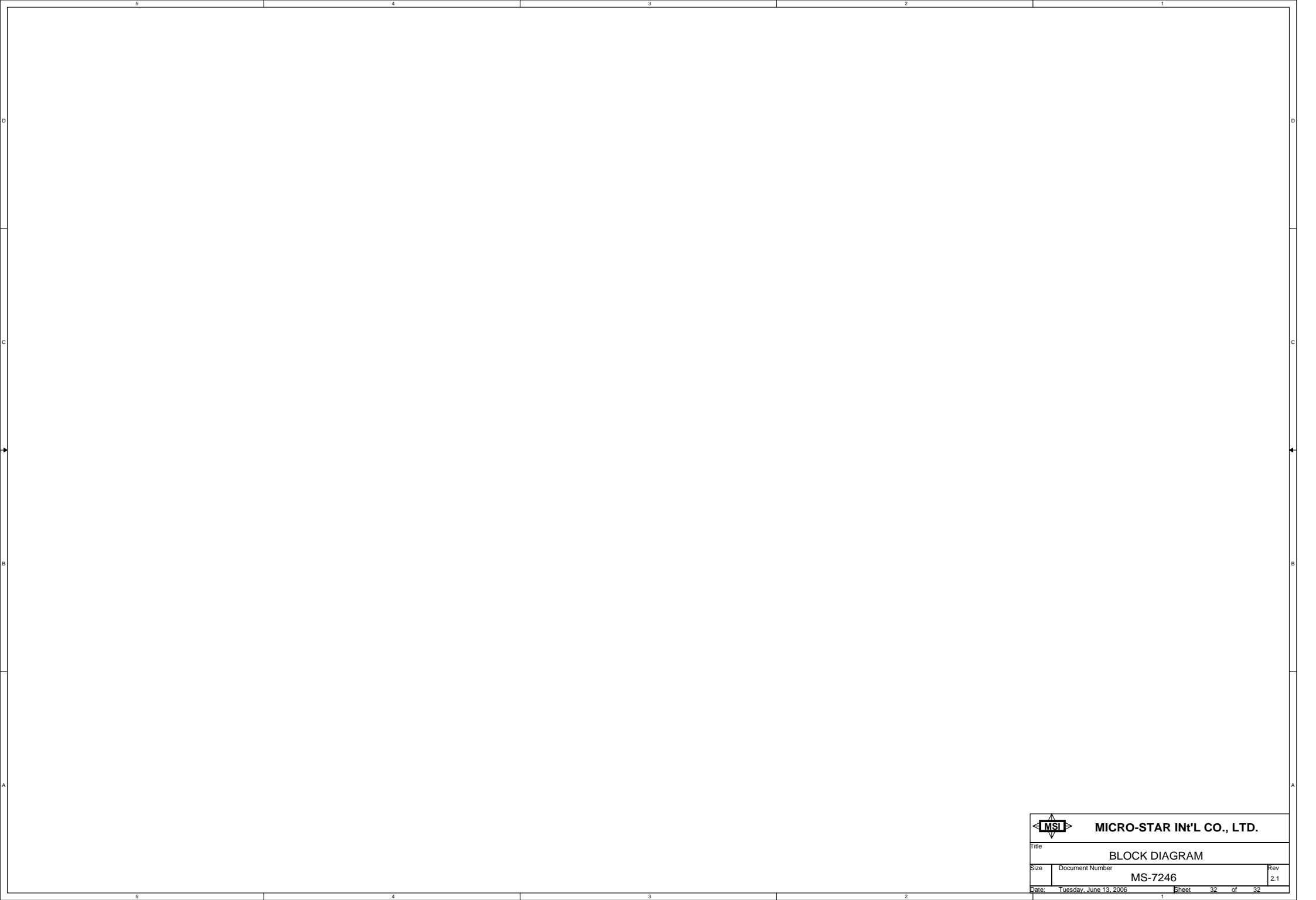
Auto-BOM Manual Parts

HEAT SINK



MANUAL PART





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BLOCK DIAGRAM			
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