Reversion History:

Rev1.0 to 2.0:

1. Flash Byte swap.
2. EMI improvement in ETHERNET.

Rev2.0 to B 1.1 :

1. Change Project name from ARESGATE 1000 to ARESGATE 1000 PRO
2. Low the height of JP1 and JP2.

ARESCOM

AG1000PRO

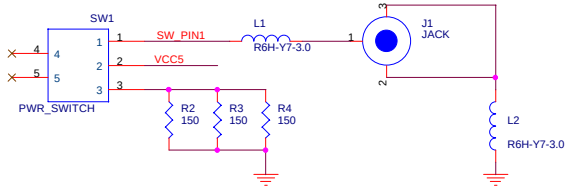
56K MODEM WLAN

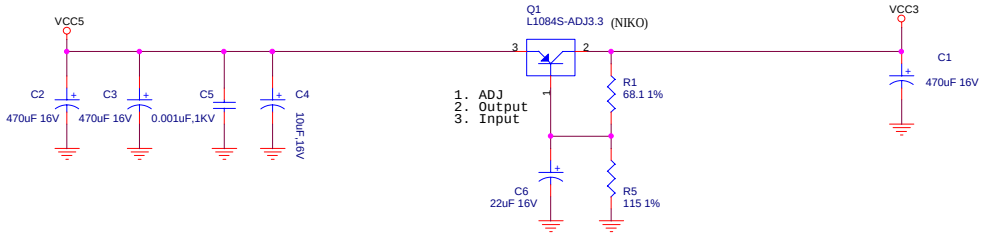
MOTOROLA MPC850 MAIN BOARD

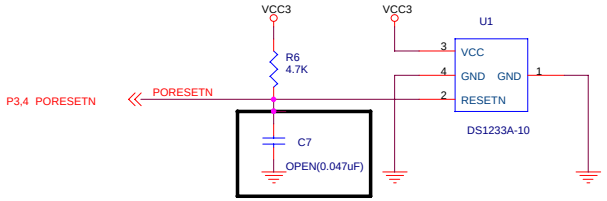
PCB P/N : 109000000143

Revison : B 1.1

ARESCOM INC		
Title: AG1000PRO		
Size	Document Number: HEADER	Rev: B 1.1
Date: Thursday, August 02, 2001	Sheet 1 of 9	







DNP

Instead of U1

ARESCOM		
Title: AG1000PRO		
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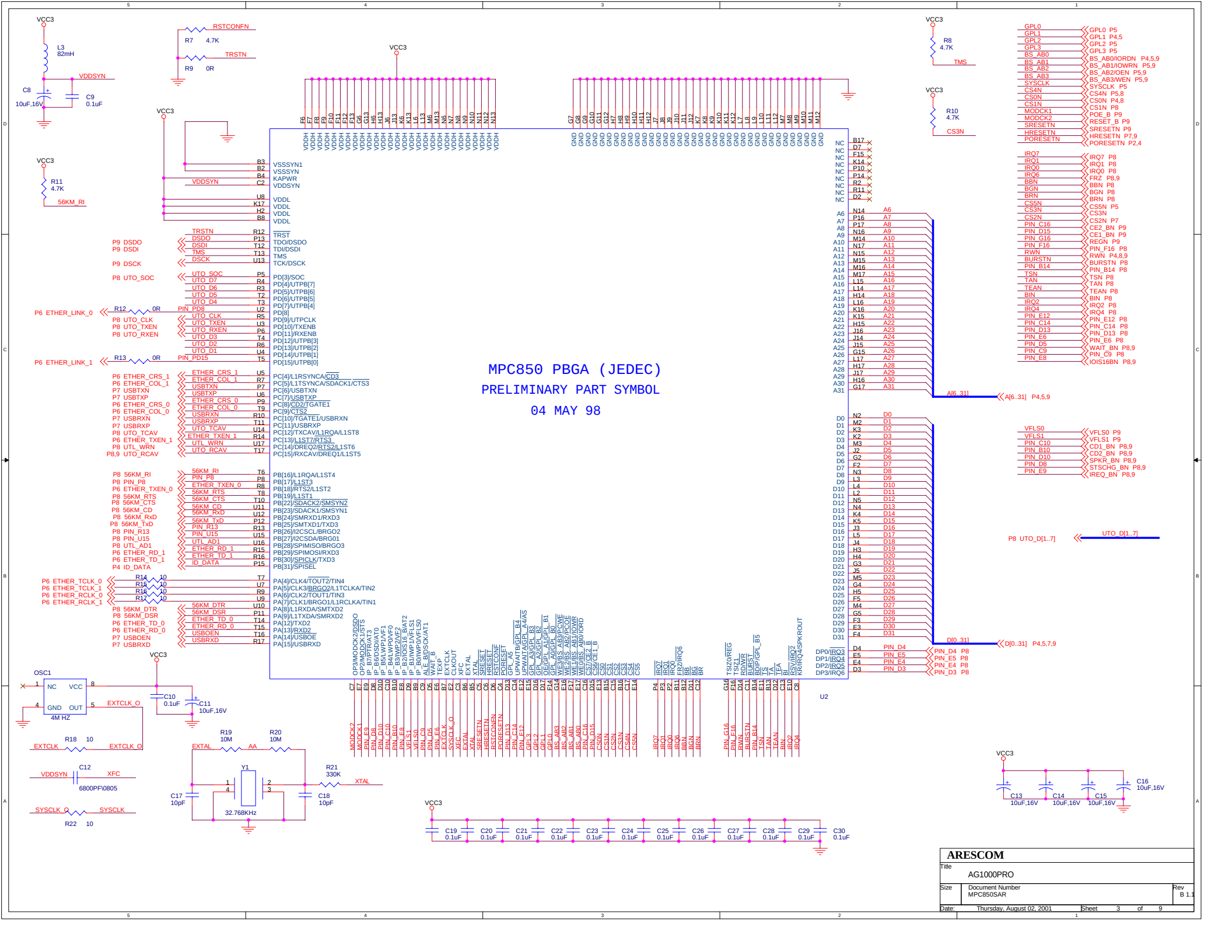
Date: Thursday, August 02, 2001	Sheet 2 of 9	


MPC850 PBGA (JEDEC)
PRELIMINARY PART SYMBOL
04 MAY 98
U2
ARESCOM
AG1000PRO
Document Number
MPC850SAR
Rev
B 1.1
Thursday, August 02, 2001
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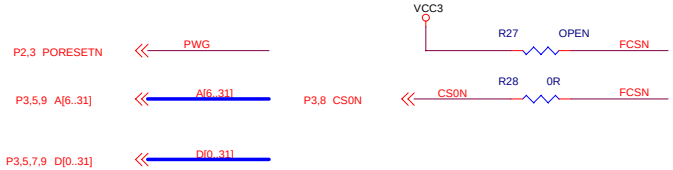

BD0 D7
BD1 D6
BD2 D5
BD3 D4
BD4 D3
BD5 D2
BD6 D1
BD7 D0
BD8 D15
BD9 D14
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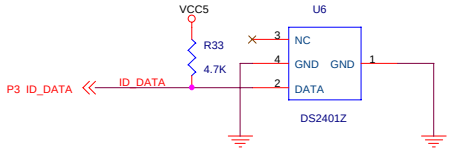
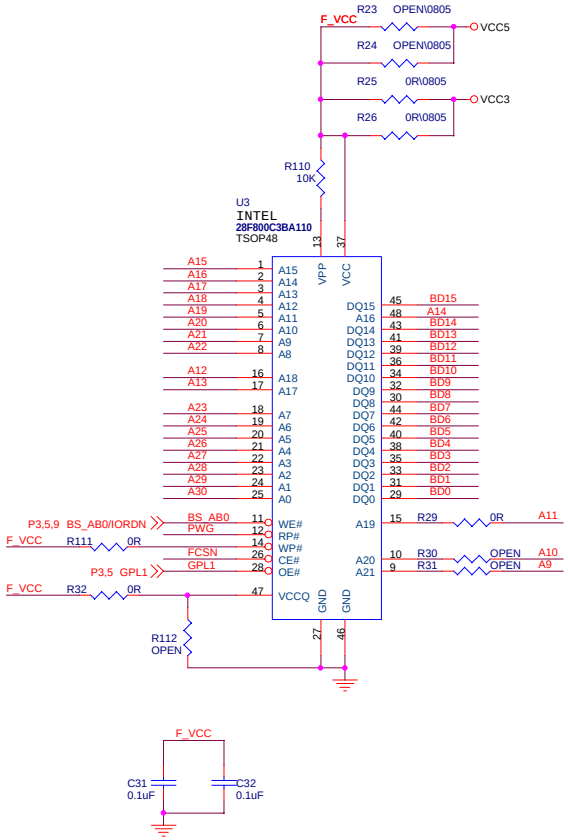
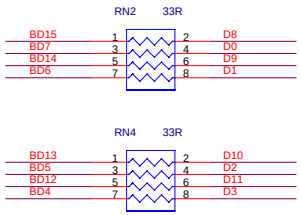
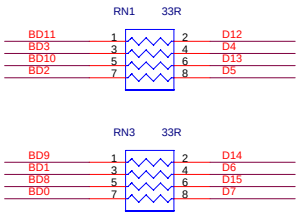
BD11 D12
BD12 D11
BD13 D10
BD14 D9
BD15 D8

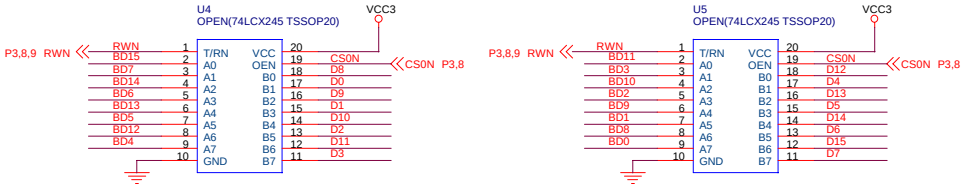








DNP



NOTE: MPC850 I/O IS NOT 5V TOLERANT!! IF THE FLASH IS 5V PWOER SYSTEM, DNP RN1,RN2. AND USE U4,U5 AS 5V TOLERANT.

ARESCOM		
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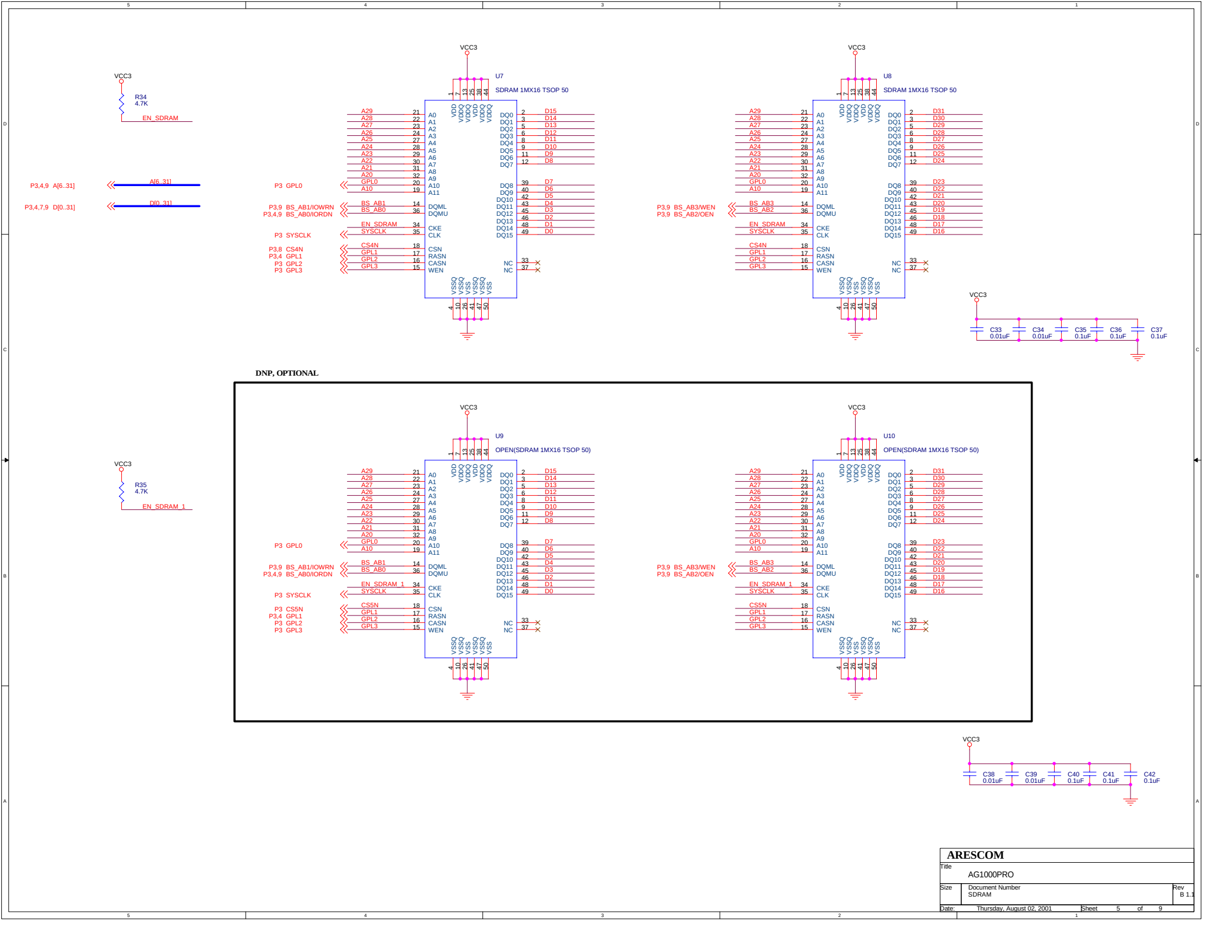
VCC3
R34
4.7K
EN_SDRAM
P3,4,9 A[6..31]
A[6..31]
P3,4,7,9 D[0..31]
D[0..31]
U7
SDRAM 1MX16 TSOP 50
P3 GPL0
P3,9 BS_AB1/IOWRN
P3,4,9 BS_AB0/IORDN
P3 SYSCLK
P3,8 CS4N
P3,4 GPL1
P3 GPL2
P3 GPL3
U8
P3,9 BS_AB3/WEN
P3,9 BS_AB2/OEN
C33 0.01uF
C34 0.01uF
C35 0.1uF
C36 0.1uF
C37 0.1uF
DNP, OPTIONAL
R35
4.7K
EN_SDRAM_1
U9
OPEN(SDRAM 1MX16 TSOP 50)
U10
C38 0.01uF
C39 0.01uF
C40 0.1uF
C41 0.1uF
C42 0.1uF
ARESCOM
Title
AG1000PRO
Size
Document Number
SDRAM
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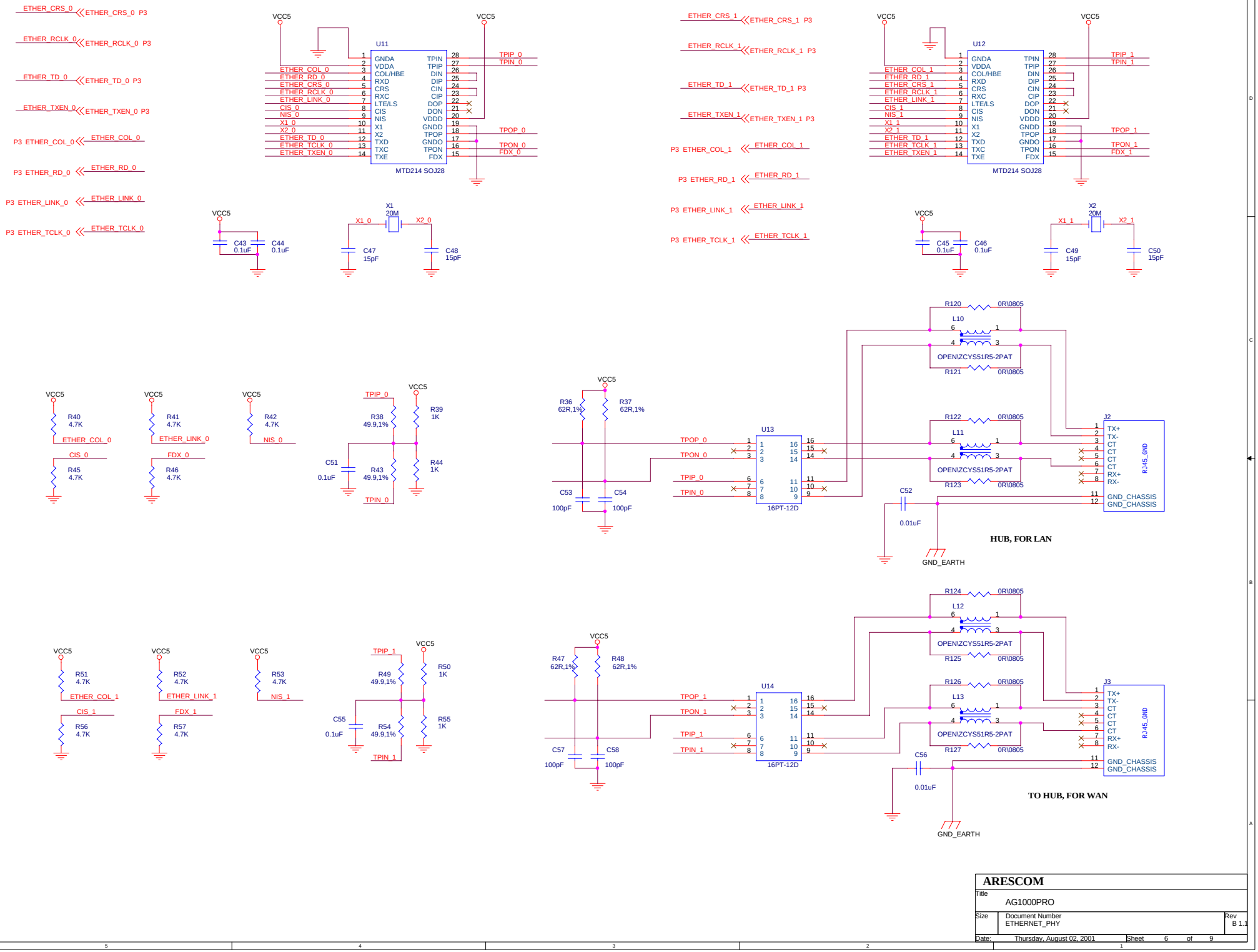

ARESCOM		
Title: AG1000PRO		
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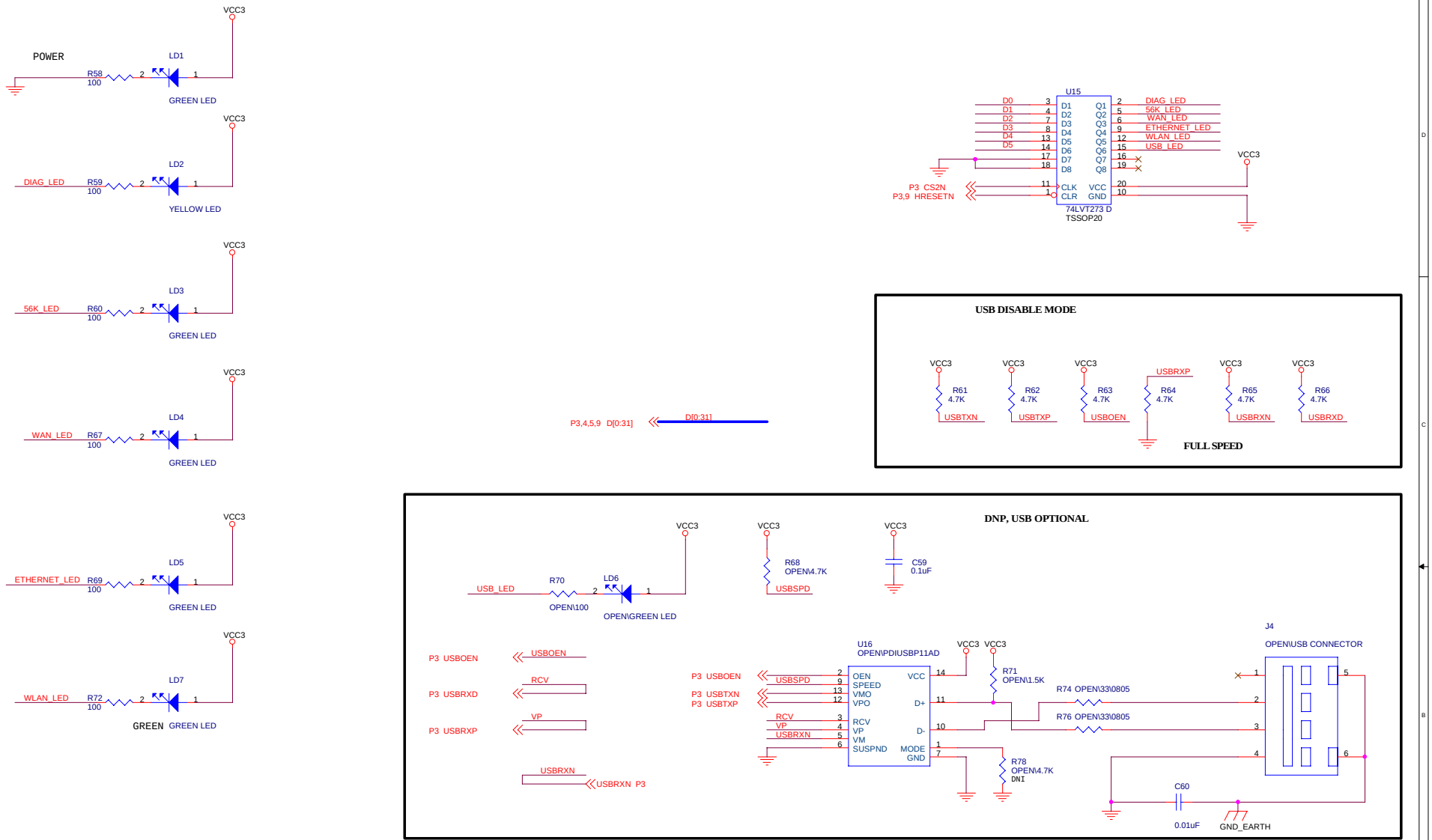

ARESCOM		
Title: AG1000PRO		
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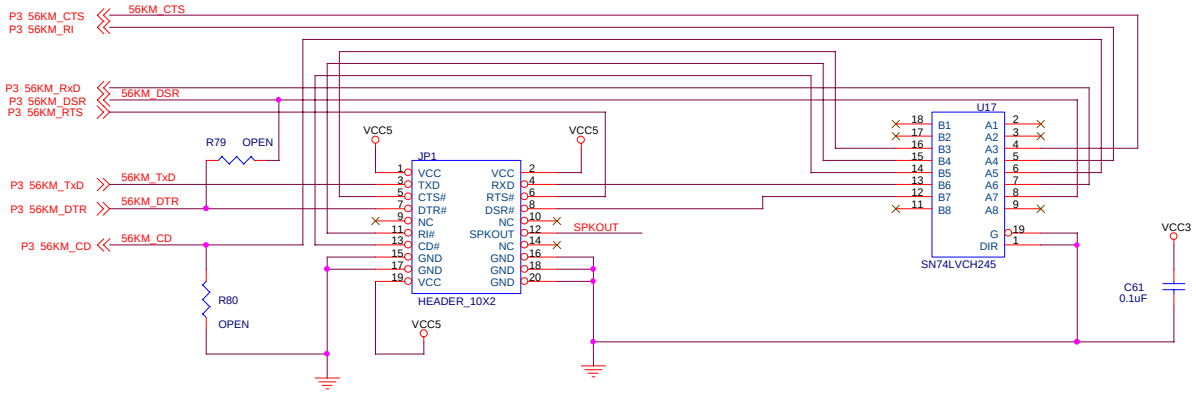
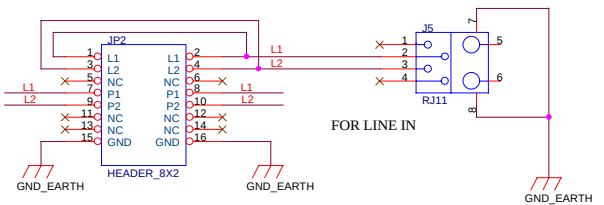


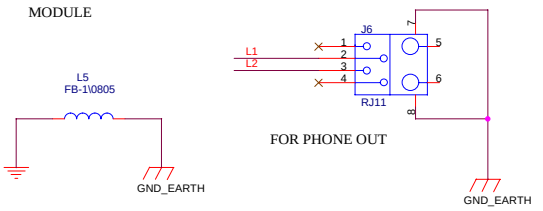
FOR 56K MODEM MODULE

56K Modem Module Interface

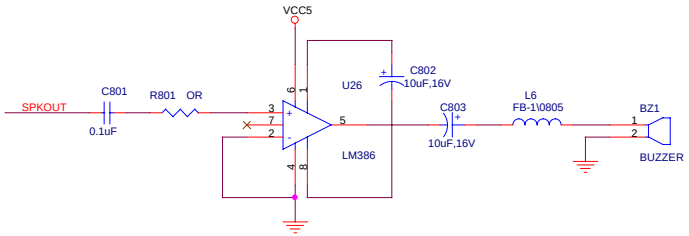


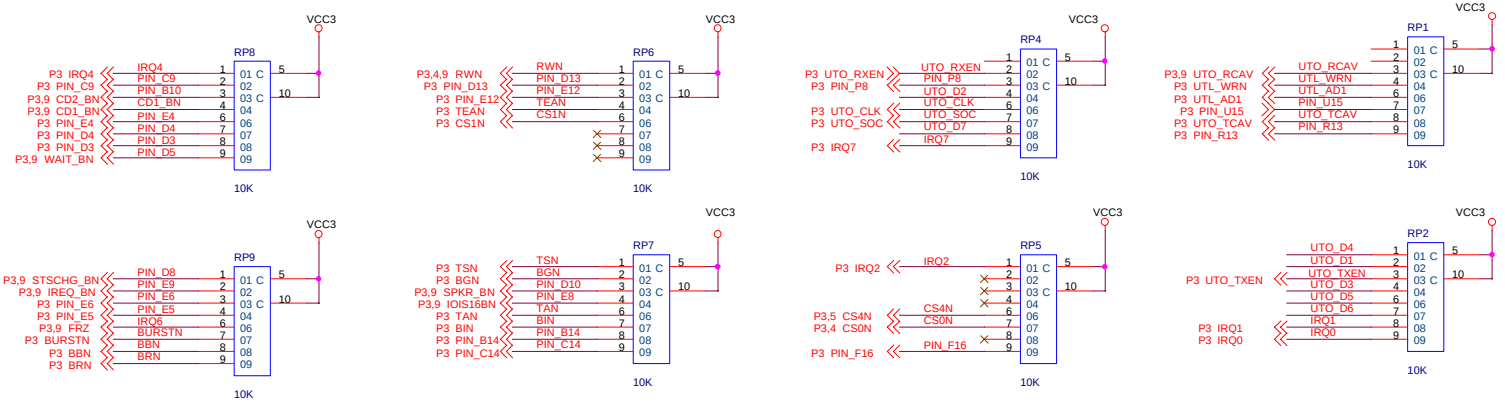
FOR 56K MODEM MODULE

FOR LINE IN



FOR PHONE OUT





ARESCOM			
Title	AG1000PRO		
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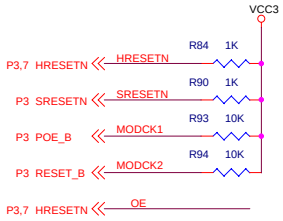
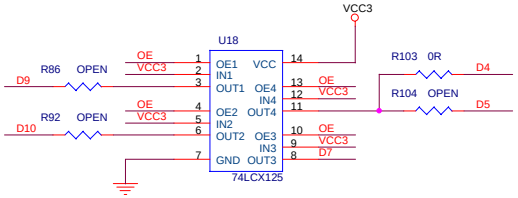
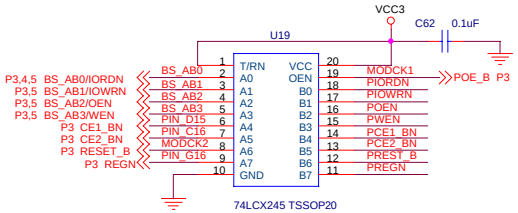
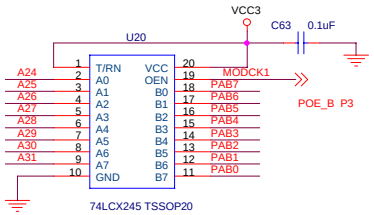


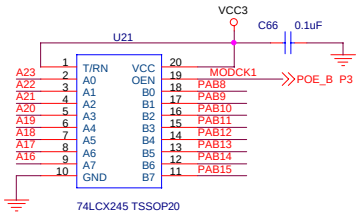


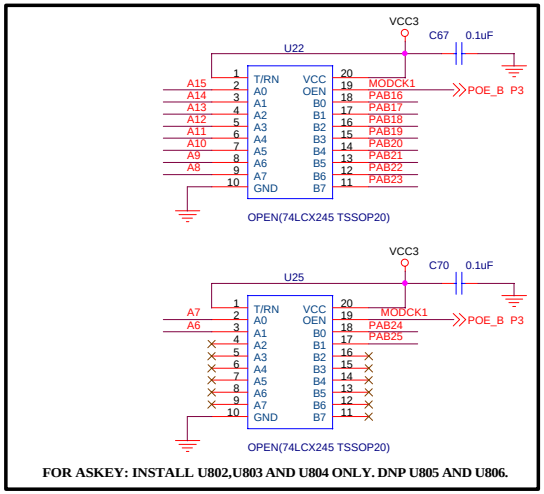
(D9,D10)=(0,0) for PCMCIA's DBGC.

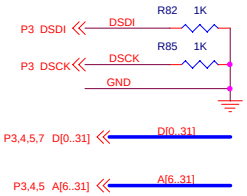
(D4,D5)=(1,0) for 16-bit boot port size.

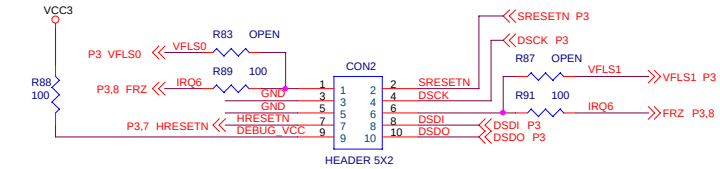


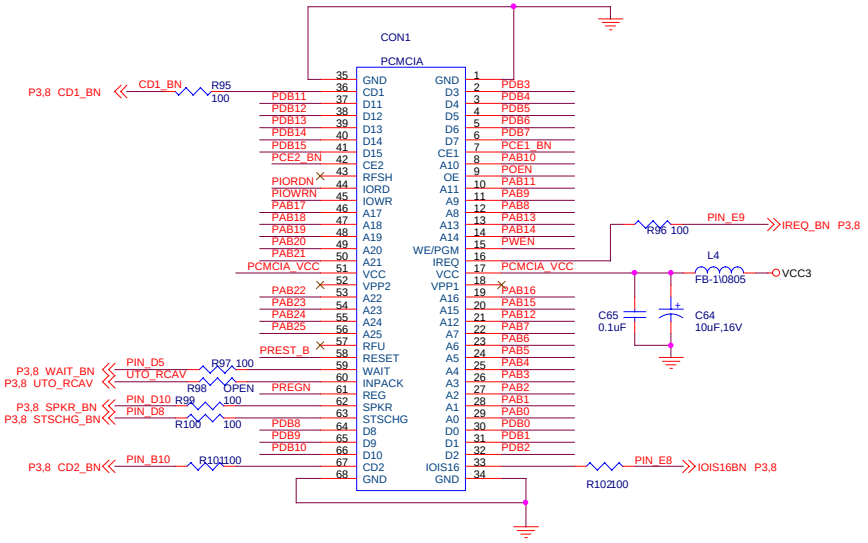


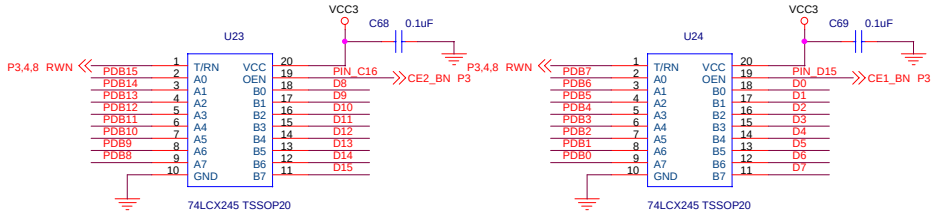




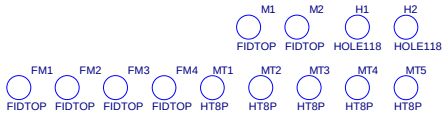








Note: Read is data from PCMCIA to MPC850. RWN=1, A to B



ARESCOM		
Title: AG1000PRO		
Size	Document Number: PCMCIA	Rev: B 1.1
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