

LAN9220 / LAN9221 Mini Development Card

Design Details

Board:
Assy 6527

Chip:
SMSC LAN9220 / LAN9221

Board Form Factor:
59.60mm x 58.42mm

Assembly:
56-Pin QFN

Assy 6527

PCB Revision B

Schematic Revision 1.1

Circuit Diagrams utilizing SMSC Products Are Included As A Means Of Illustrating Typical Semiconductor Applications: Consequently Complete Information Sufficient For Construction Purposes Is Not Necessarily Given. The Information Has Been Carefully Checked And Is Believed To Be Entirely Reliable. However, No Responsibility Is Assumed For Inaccuracies. Furthermore, Such Information Does Not Convey To The Purchaser Of The Semiconductor Devices Described Any License Under The Patent Rights Of SMSC Or Others. SMSC Reserves The Right To Make Changes At Any Time In Order To Improve Design And Supply The Best Product Possible.

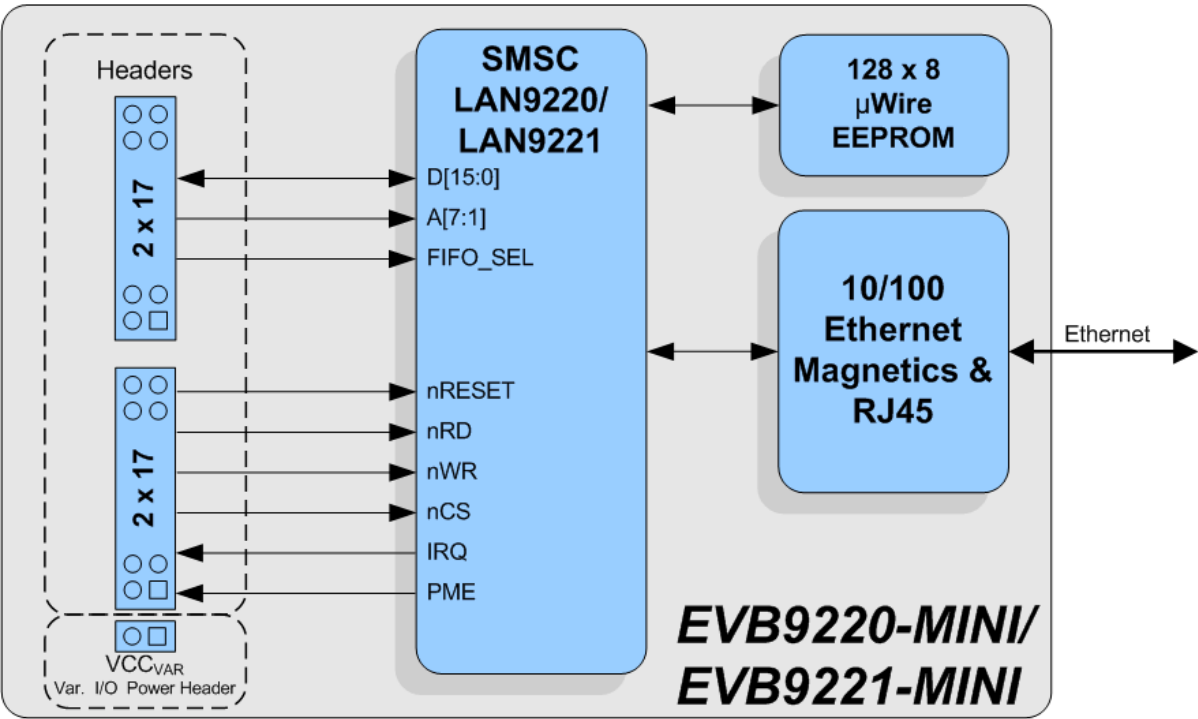
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Expansion Slot Edge Fingers	2
LAN9220 / LAN9221	3

Revision History

Rev 1.0 to 1.1:

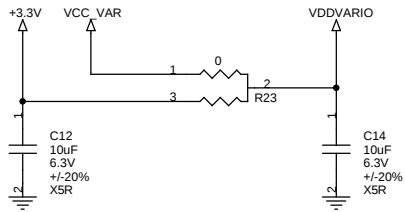
Page 2: Added note for default ADDR1 configuration

BLOCK DIAGRAM



Title Page				
Size	Engineer	Assembly No.	PCB Rev	Schematic Rev
C	J. M.	6527	B	1.1
Date:	Monday, September 14, 2009		Sheet	1 of 3

NOTE:
Pins 1 & 2 are used to detect the
presence of an expansion card.

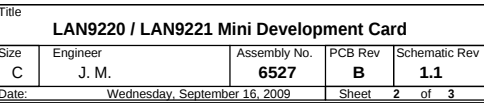
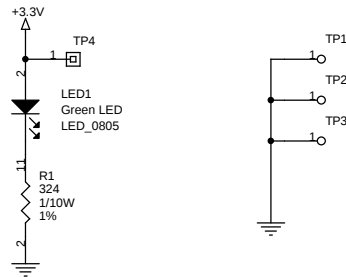


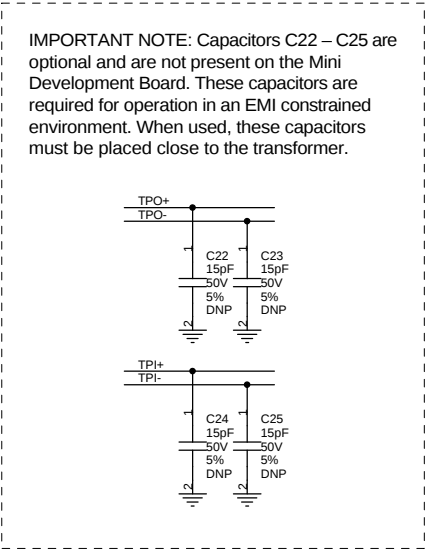
The left diagram shows a 2x17 memory module connected to a +3.3V supply. The module has 17 pins (1-17) and 34 pins (18-34). The connections are as follows:

- Pin 1: RISER_RSVD7
- Pin 2: RISER_RSVD6
- Pin 3: RISER_RSVD3
- Pin 4: RISER_RSVD2
- Pin 5: ADDR11
- Pin 6: ADDR7
- Pin 7: ADDR4
- Pin 8: ADDR3
- Pin 9: DATA14
- Pin 10: DATA13
- Pin 11: DATA10
- Pin 12: DATA9
- Pin 13: DATA6
- Pin 14: DATA5
- Pin 15: DATA2
- Pin 16: DATA1
- Pin 17: IRQ
- Pin 18: nRD
- Pin 19: VCC VAR
- Pin 20: GND

The right diagram shows a 2x18 memory module connected to a +3.3V supply. The module has 18 pins (1-18) and 36 pins (19-36). The connections are as follows:

- Pin 1: RISER_RSVD5
- Pin 2: RISER_RSVD4
- Pin 3: RISER_RSVD1
- Pin 4: RISER_RSVD0
- Pin 5: ADDR6
- Pin 6: ADDR5
- Pin 7: ADDR2
- Pin 8: ADDR1_R
- Pin 9: DATA12
- Pin 10: DATA15
- Pin 11: DATA8
- Pin 12: DATA11
- Pin 13: DATA4
- Pin 14: DATA7
- Pin 15: DATA0
- Pin 16: DATA3
- Pin 17: nWE
- Pin 18: PME
- Pin 19: nRST
- Pin 20: nCS
- Pin 21: VCC VAR
- Pin 22: GND





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