

UNO-PCM23

UNO-2174A/78A Series PC/104+ and PCI-104 Expansion Kit

Startup Manual

Packing List

Before installation, please make sure that you have:

- 1 x Expansion board
- 2 x Post M3*15 for PC/104+
- 6 x Post M3*13 for expansion board
- 4 x Screw M3*14L for side panel
- 12 x Black Screw D5.5 M3x5L for securing expansion board and add-on PC/104+ or PCI-104 cards
- 6 x Post M3*7 for PCI-104 and PC/104+
- 4 x Screws for front and back panel
- 1 x Start up manual
- 2 x Panel with 6 DB9 outputs
- 2 x Side panels
- 1 x Blank Panel

If any of these items are missing or damaged, please contact your distributor or sales representative immediately.

Overview

UNO-PCM23 gives you 1 x PCI-104 and 1 x PC/104+ slots on UNO-2174A/78A series product which is designed for heating up for dissipation. The PCI-104 and PC/104+ slots can be used for a wide range of expansion cards such as data acquisition or communication modules.



Supported Model List

UNO-2174A

UNO-2178A

For more information on this and other Advantech products, please visit our website at:

<http://www.advantech.com>

<http://www.advantech.com/eplatform>

For technical support and service, please visit our support website at:

<http://www.advantech.com/support>

This manual is for the UNO-PCM23.

Part No. 2003002500
Printed in China

1st Edition
June 2011

Dimensions

- 228 x 32 x 152 mm (W x H x D)
(Extension kit only, not the final dimensions for integration of UNO-2174A/78A and UNO-PCM23.)

Installation

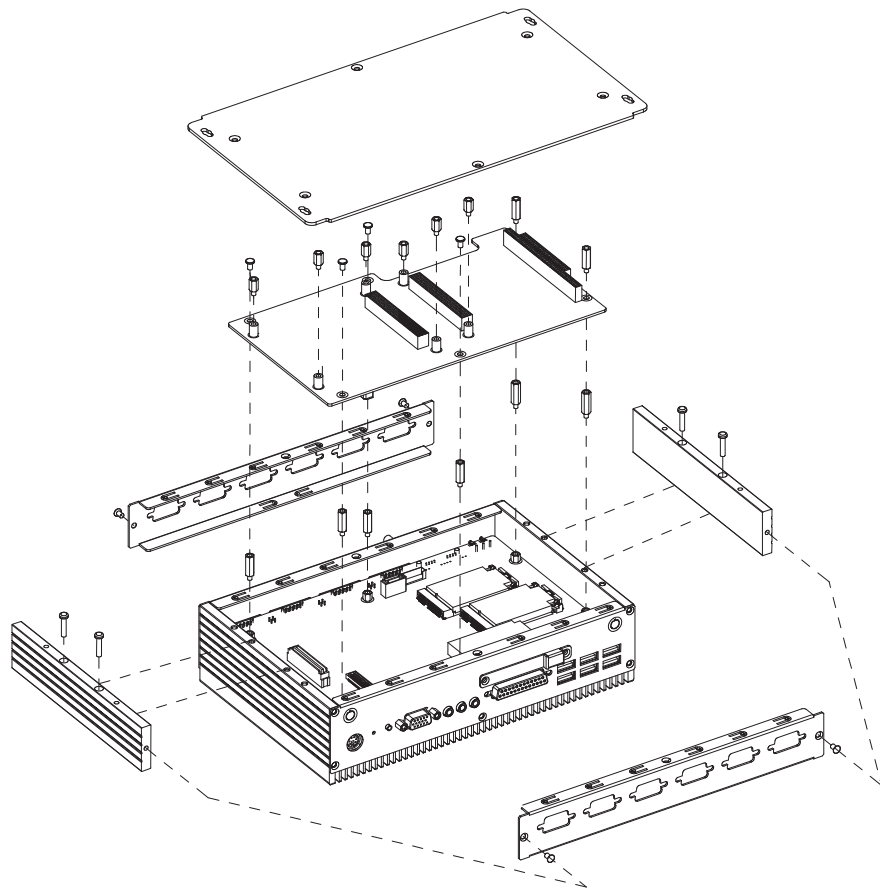
Please follow the steps below to integrate UNO & PCM module:

1. Make sure UNO-2174A/78A system is power off and make sure all power cables are removed.
2. Remove the four screws and bottom panel of UNO-2174A/78A.
3. Screw 6 M3*4.0L posts on the mainboard of UNO-2174A/78A.
4. Attach the expansion board on the mainboard, make sure the board to board connectors are linked.
5. Secure the board by using black screw D5.5 M3 x 5L.
6. Screw 6 Post M3 x 4.5L on the PCI-104 side of expansion board.
7. Screw 2 Post M3*8L on the PC/104+ side of expansion board.
8. Install the PC/104+ or PCI-104 module on the expansion board.
9. Installing the extension side panels on both left and right side by screwing 4 x Screw M3*14L.
10. Installing cable output of 104 modules on the front/back DB9 outputs by screwing up 2 screws (Simply push the cover on the DB9 outputs of front/back panel in order to link output cables from PC/104+ or PCI-104 modules.)
11. Then installing the front and back panel with 4 screws to attach the panel to the side panel.
12. Finally reinstall the bottom cover back.

Notes:

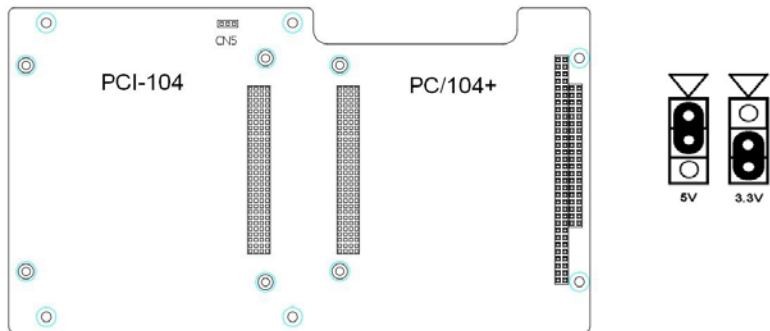
- When use PC/104+ card, please note the system does not support S3, S4 sleep mode and DMA mode.
- Maximum number of modules supported of PC/104+ and PCI-104 cards are 1 each.
- The expansion board support 1 ID selects for PCI-104 and 2 ID select for PC/104+.

Module Slot	ID Select	Clock Select	Interrupt Select
1	IDSEL0	CLK0	INTA
2 (PC/104+ only)	IDSEL1	CLK1	INTB



Jumper Setting

UNO-PCM23 supports standard PCI-104 and PC/104+ version 1.2. You could install jumper (CN5) for choosing 3.3V/5V reserve power option of PCI-104/PC/104+ bus supplies (Jumper default setting is open).



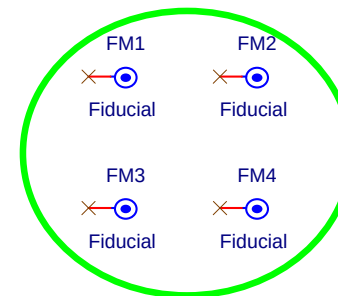
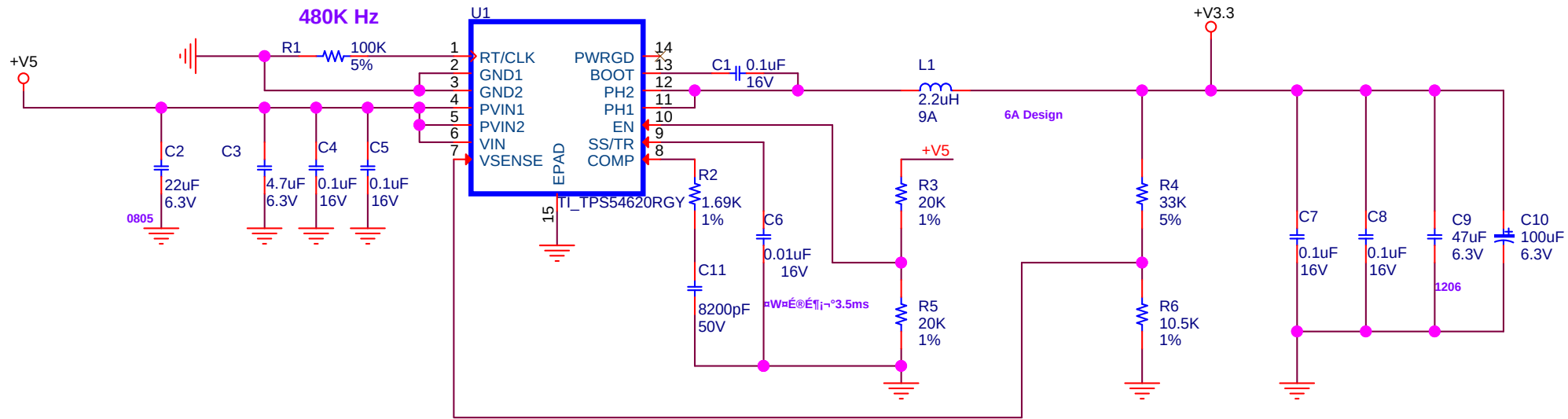
Revision History:

A1 01 -1

1. UNOB-2109DB A1 01-1 P/N: 19A3Y10900 Date : 2011/ 01/ 13

2. This schematic is for UNO-2174A/2184A project

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Title

POWER

Size

Document Number

UNOB-2109DB

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A101-1

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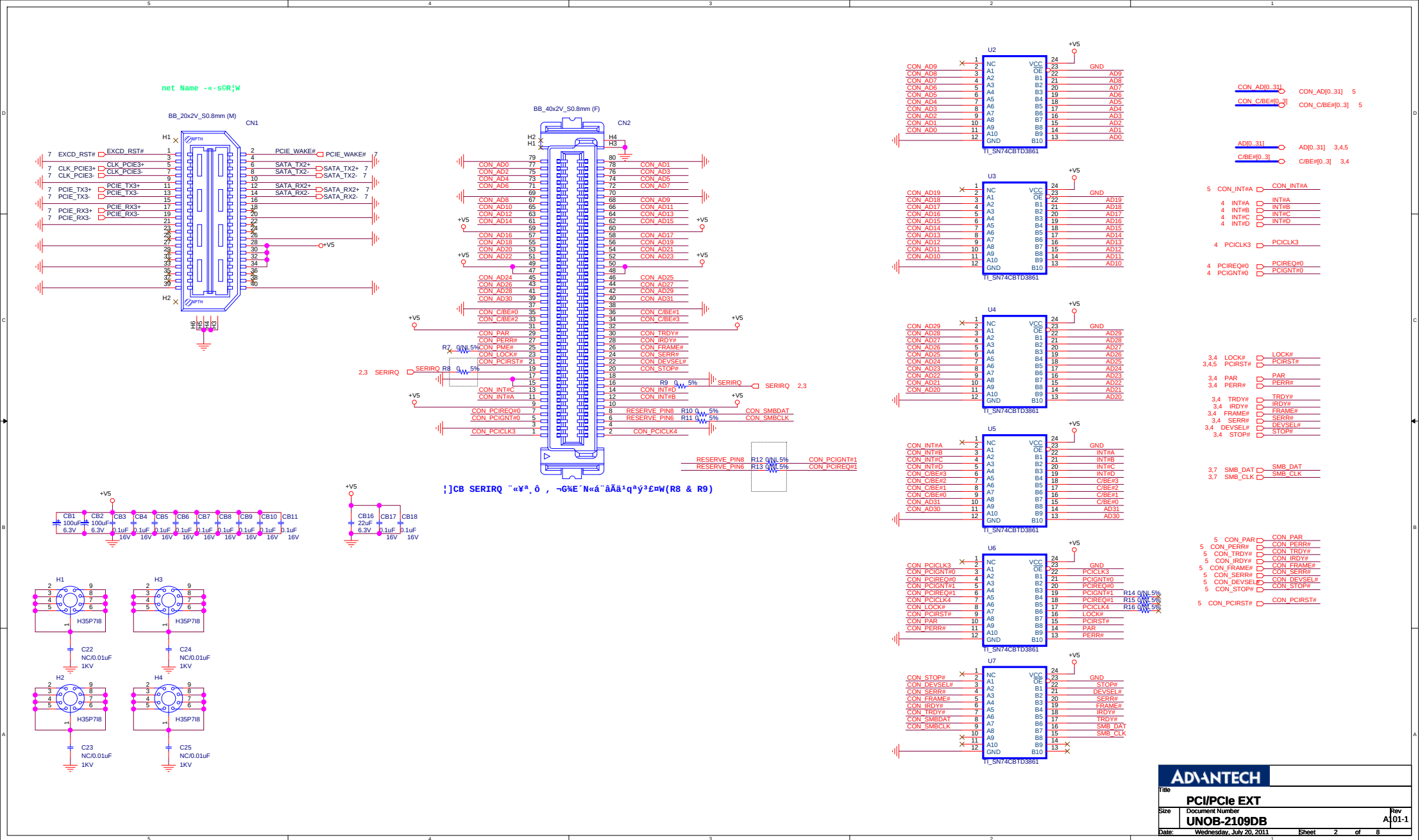
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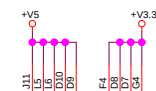
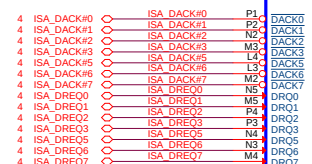
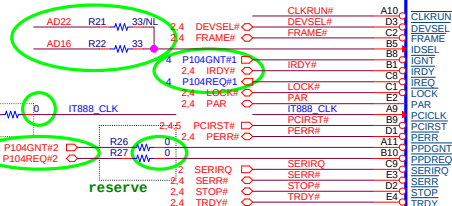
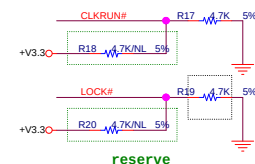
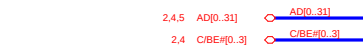
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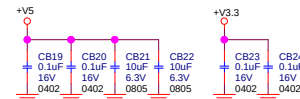
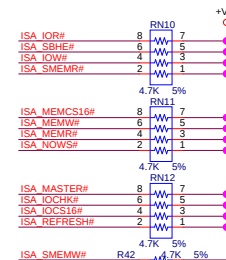
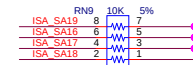
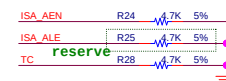
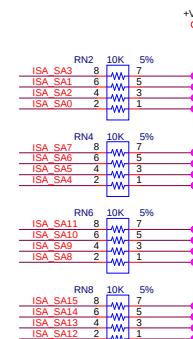
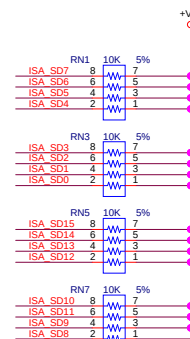
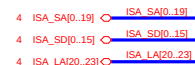
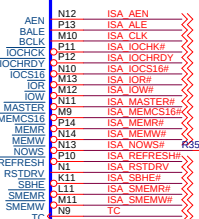
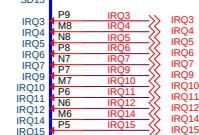
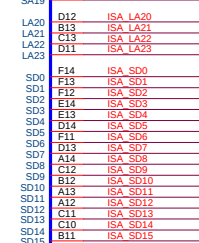
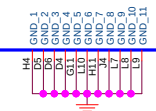
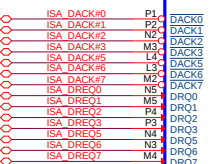
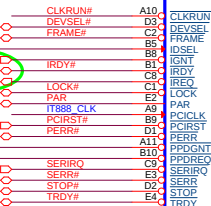
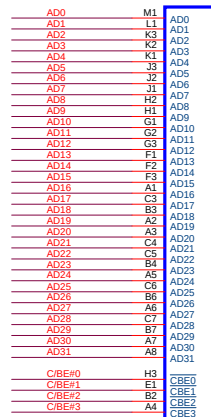


CLK:PCICLK4

B/B Connector reserve

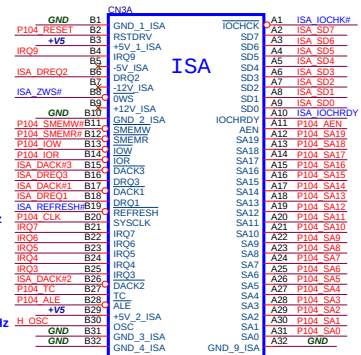


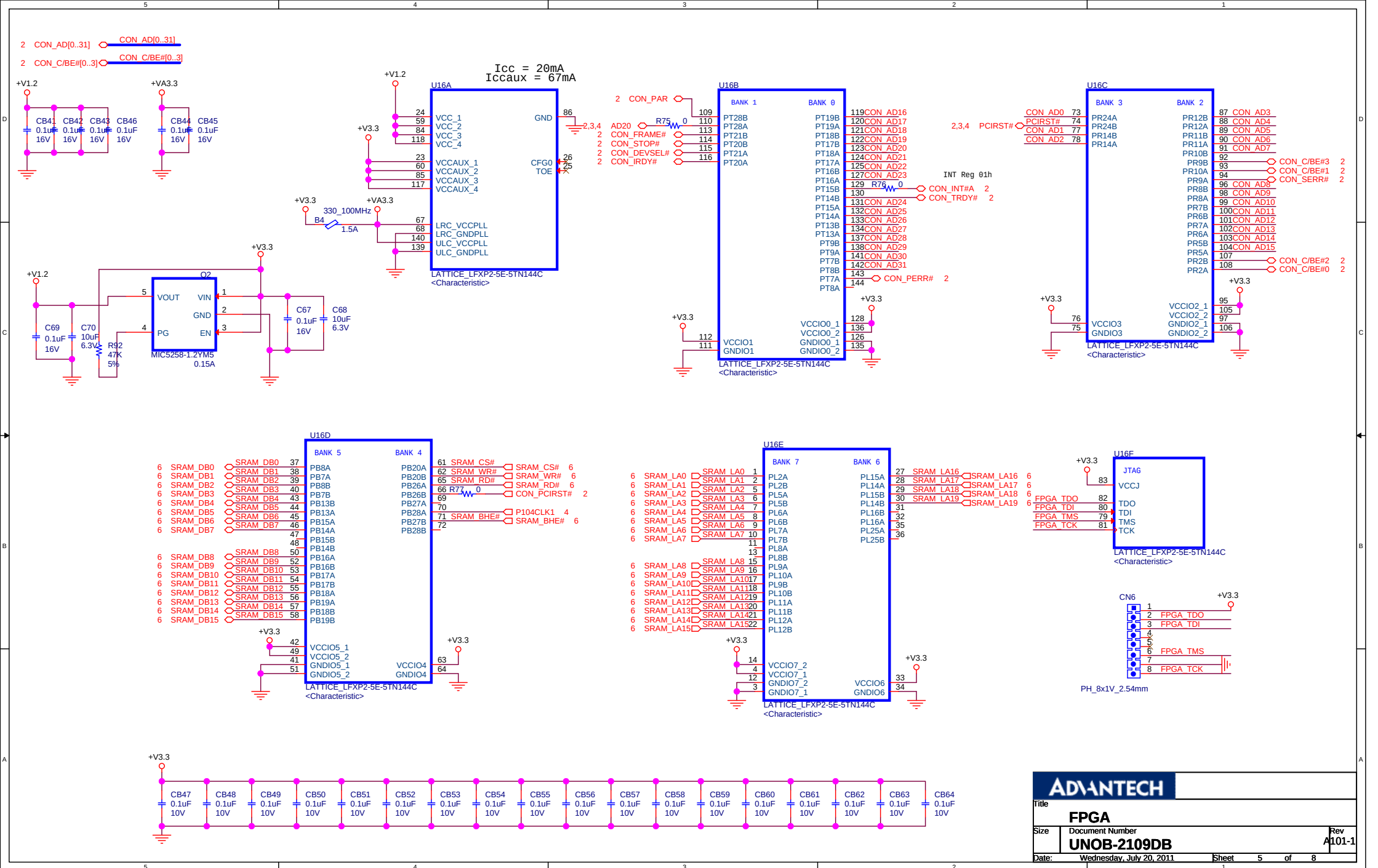
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TFBGA 160

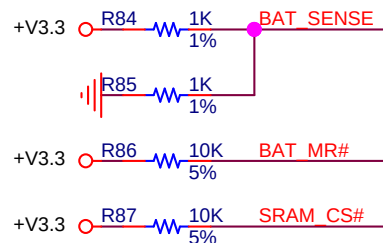
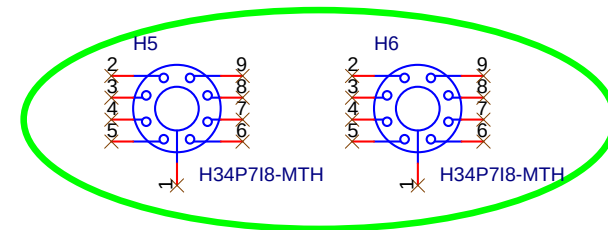
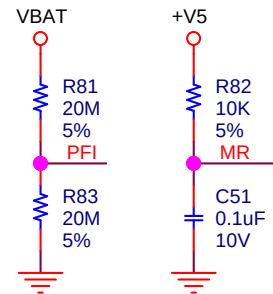
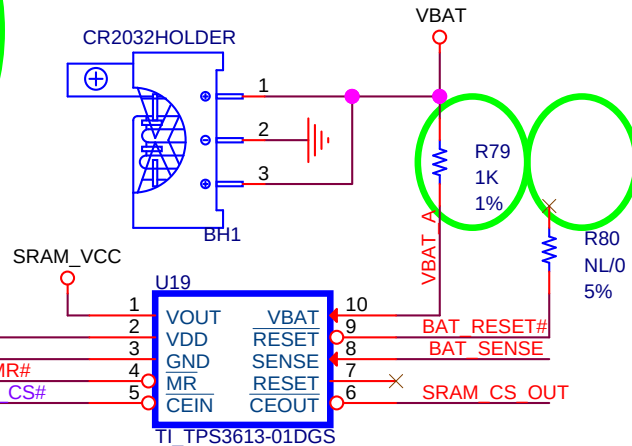
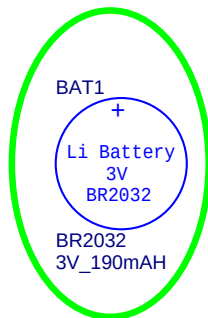
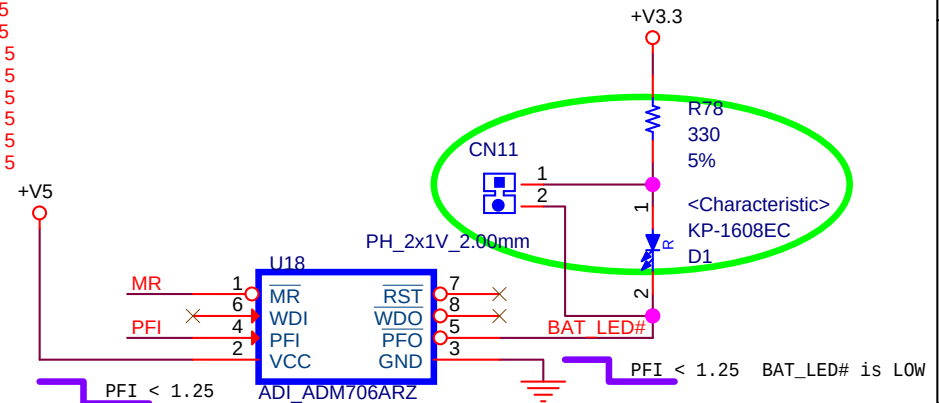
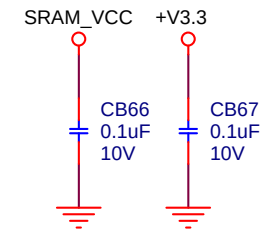
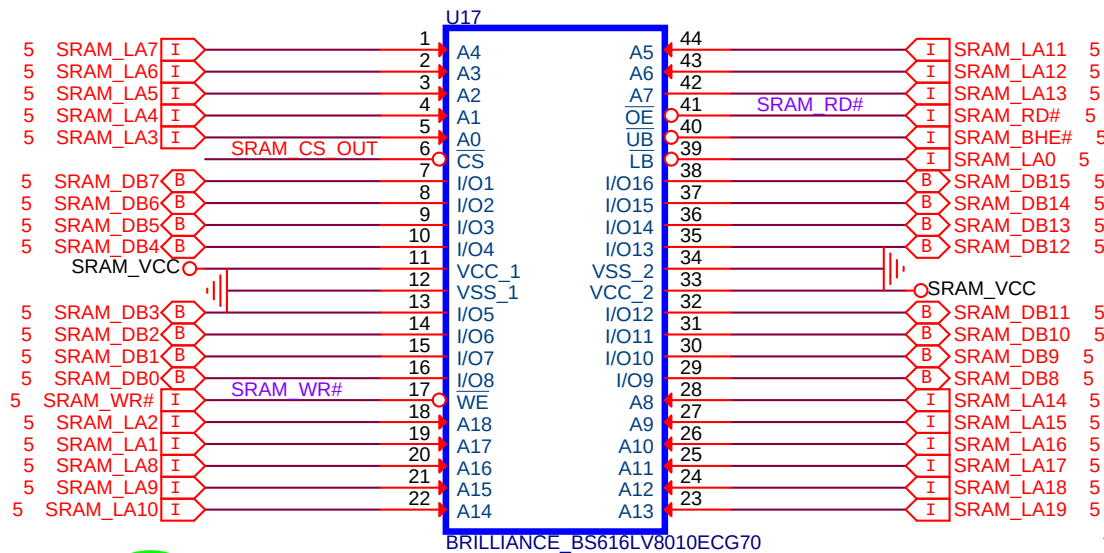


PC/104+
IDSEL: AD27,28,25,30
REQ/GNT: PCI_REQ0/GNT0

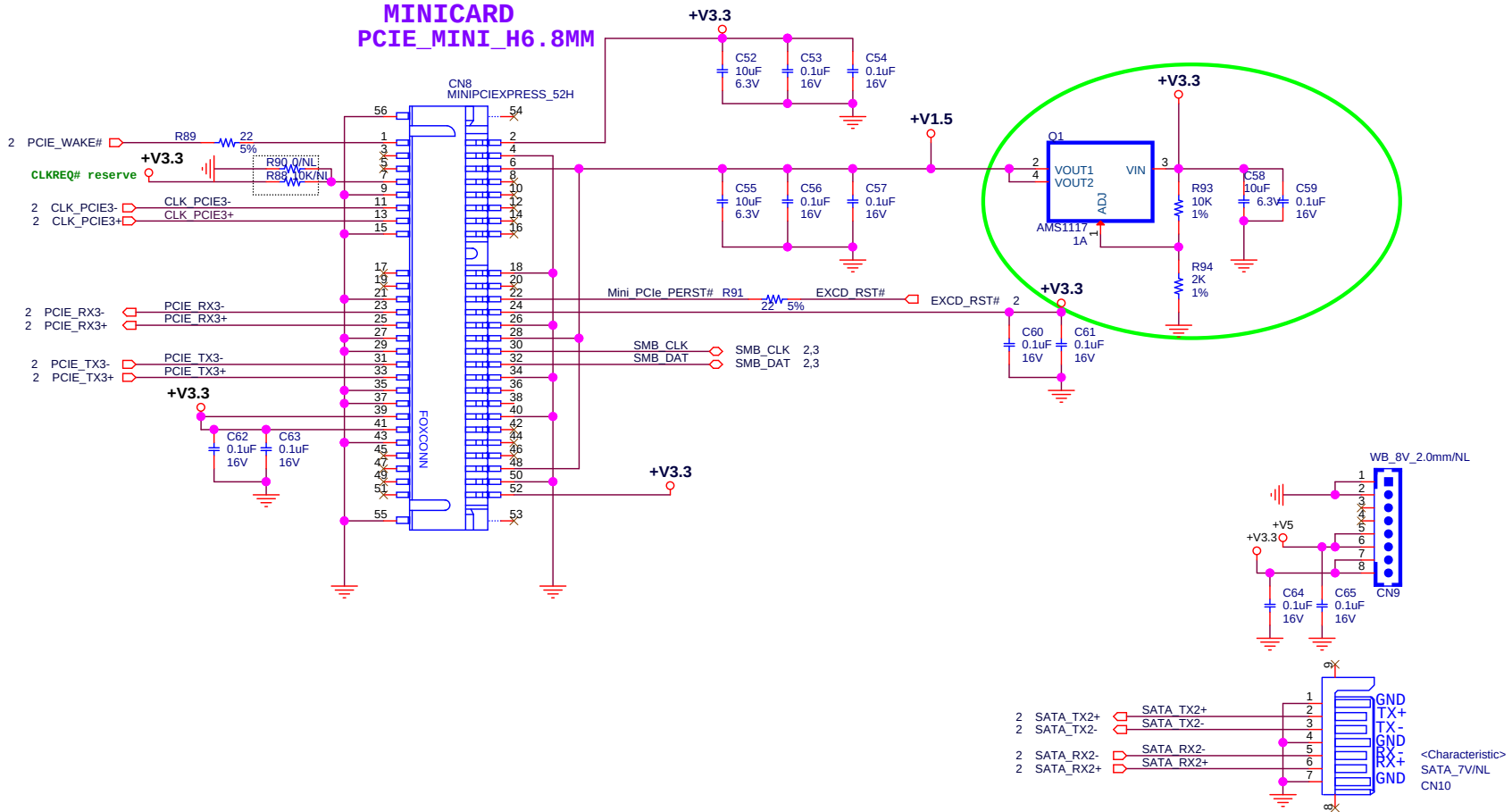
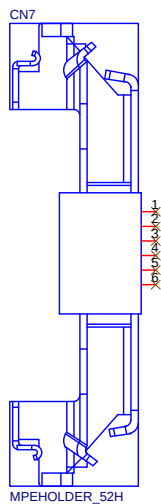
8.333M Hz
14.318M Hz







MINICARD PCIE_MINI_H6.8MM



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