

Adapter Boards

User's Manual

019-0119 • 060930-C

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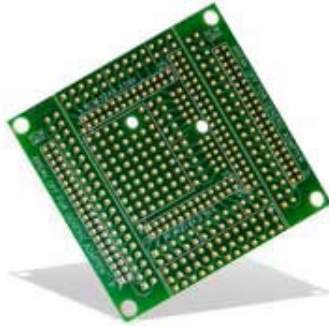


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Adapter Board for Rabbit 2000 Based RabbitCore Modules



Adapter Board for Rabbit 3000 Based RabbitCore Modules

ADAPTER BOARDS USE

Rabbit Semiconductor offer two Adapter Boards to allow you to use Rabbit Semiconductor's RabbitCore modules and single-board computers on a prototyping or development board whose prototyping area has a 0.1" pitch. One Adapter Board is designed for Rabbit 2000 based RabbitCore modules whose headers have a 2 mm pitch and the other Adapter Board is designed for Rabbit 3000 based RabbitCore modules whose headers have a 2 mm or 1.27 pitch.

The Adapter Boards are sold in panels of five, and headers and sockets are sold in quantities of five pairs. Simply choose, then install the headers and sockets you need for your particular application based on the illustrations in this manual. The illustrations indicate the part numbers of the headers and sockets appropriate for the illustrated board.

The Adapter Boards are also supplied in a "convenience pack," which includes one Adapter Board together with all the headers and sockets that might be used with that board.

Adapter Boards, convenience packs, and headers and sockets are available for purchase online at <http://www.rabbitsemiconductor.com/products/parts/index.html>.

A convenient small prototyping area will often be left on the Adapter Board once your Rabbit Semiconductor single-board computer or RabbitCore module is in place on the Adapter Board.

RCM2000

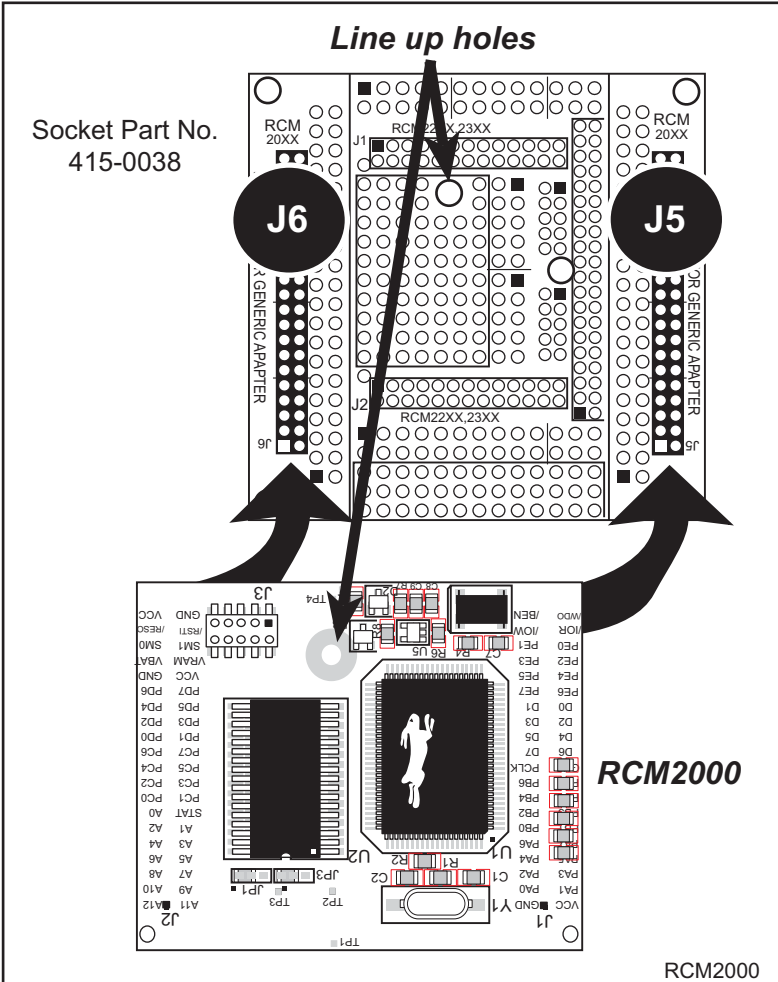


Figure 1. Top Side

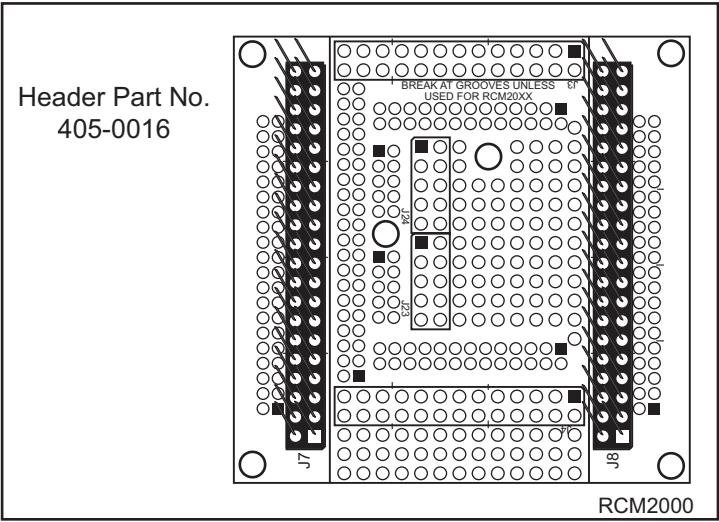


Figure 2. Bottom Side

RCM2100

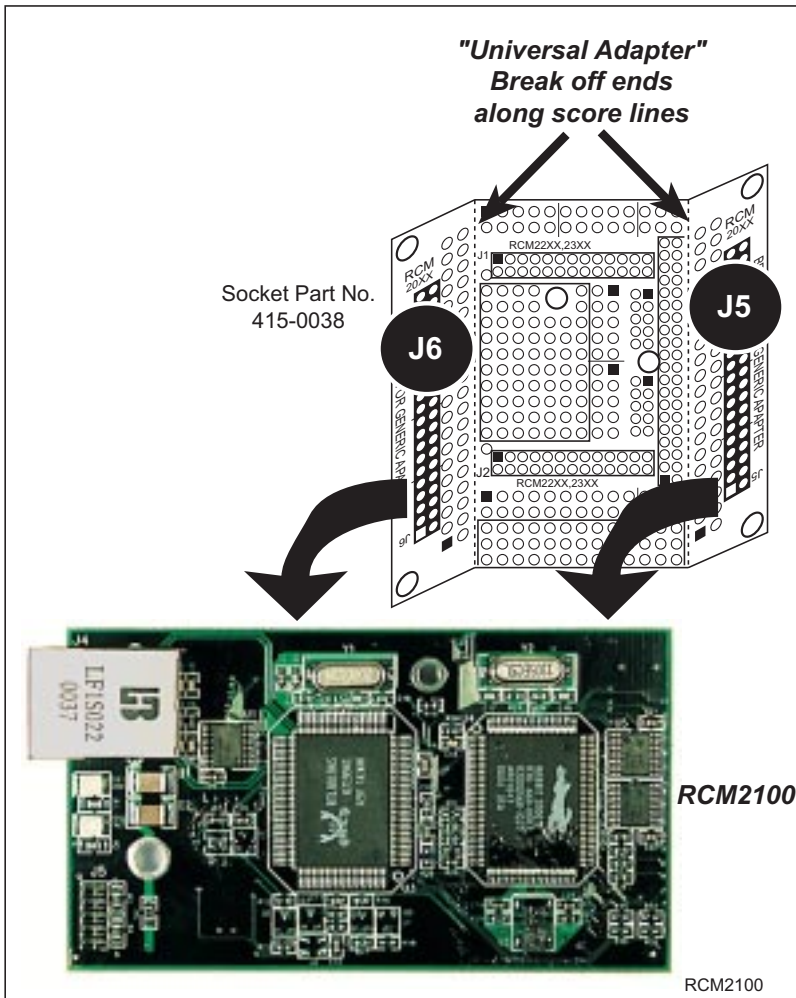


Figure 1. Top Side

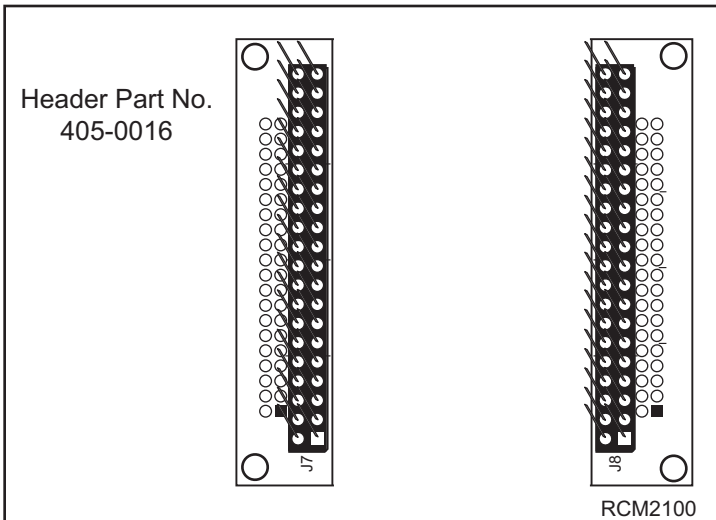


Figure 2. Bottom Side

RCM2200

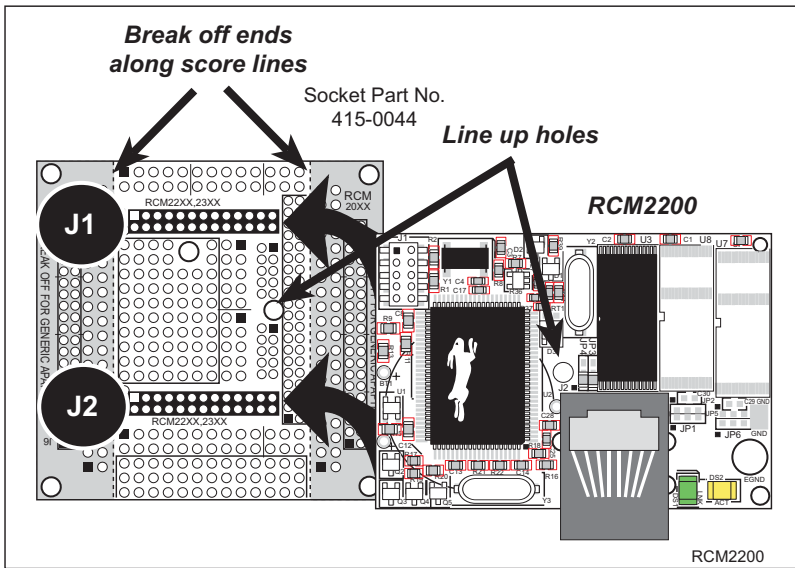


Figure 1. Top Side

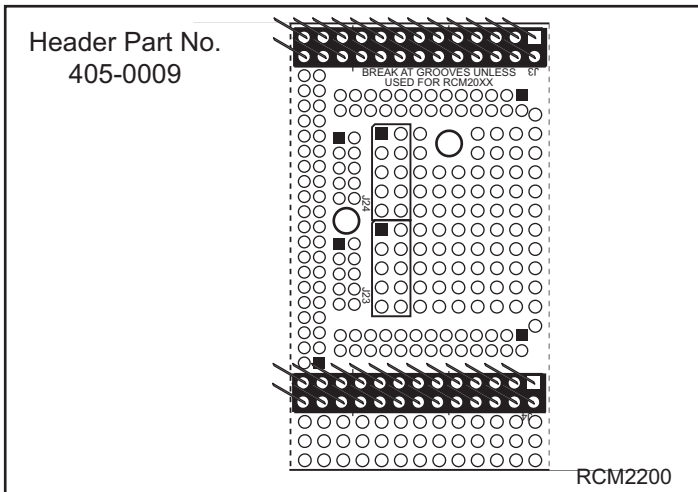


Figure 2. Bottom Side

RCM2300

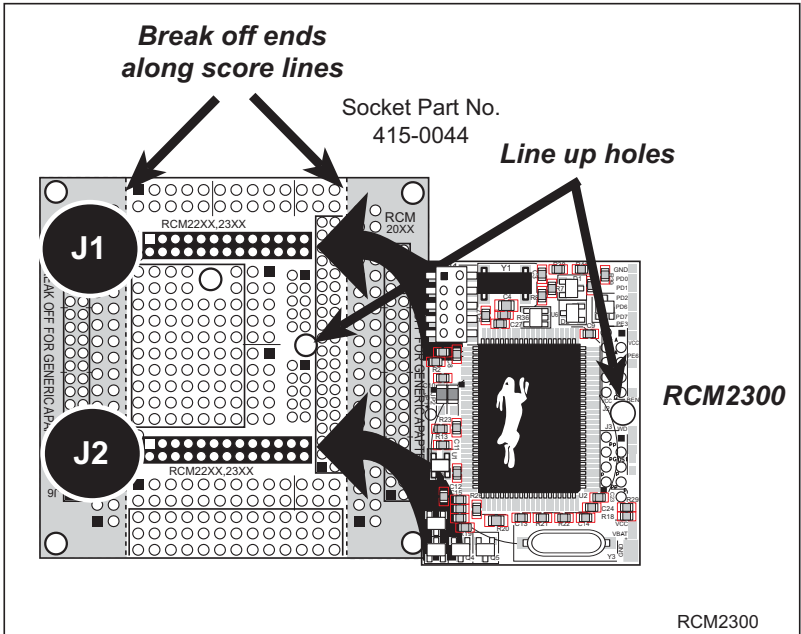


Figure 1. Top Side

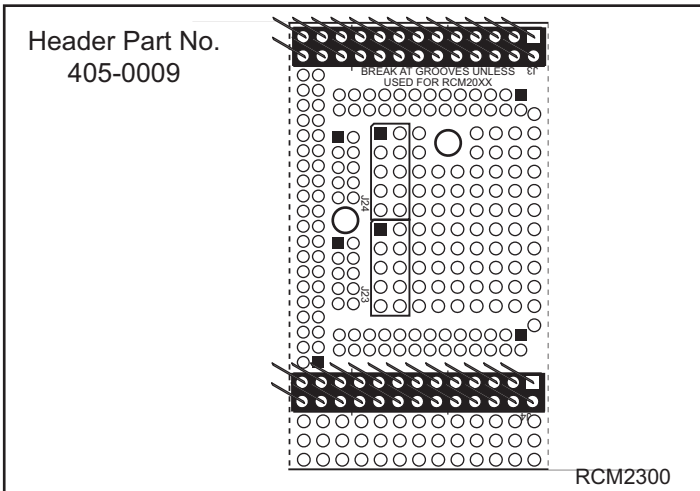


Figure 2. Bottom Side

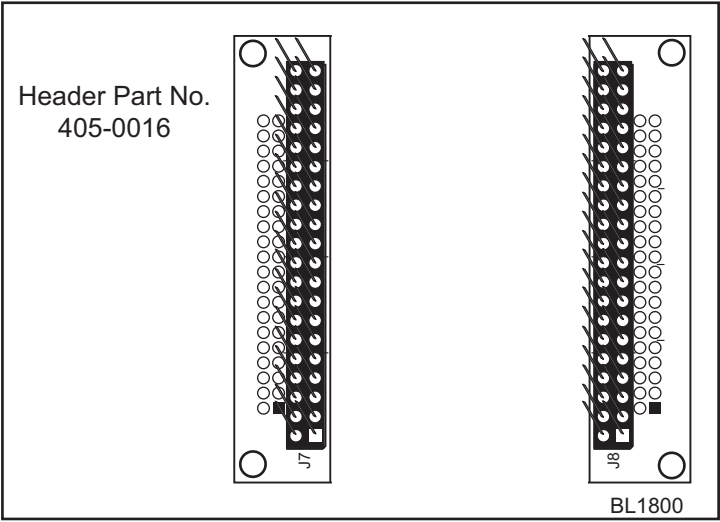


Figure 2. Bottom Side

Universal 2 mm to 0.1" Adapter

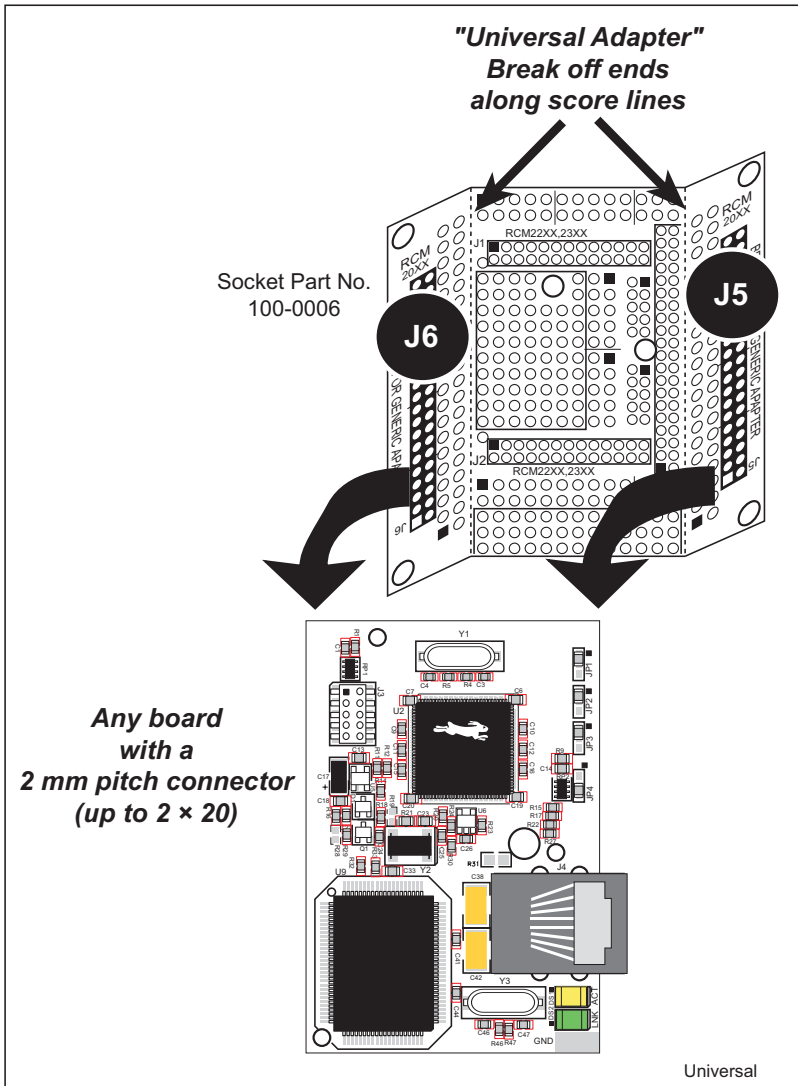


Figure 1. Top Side

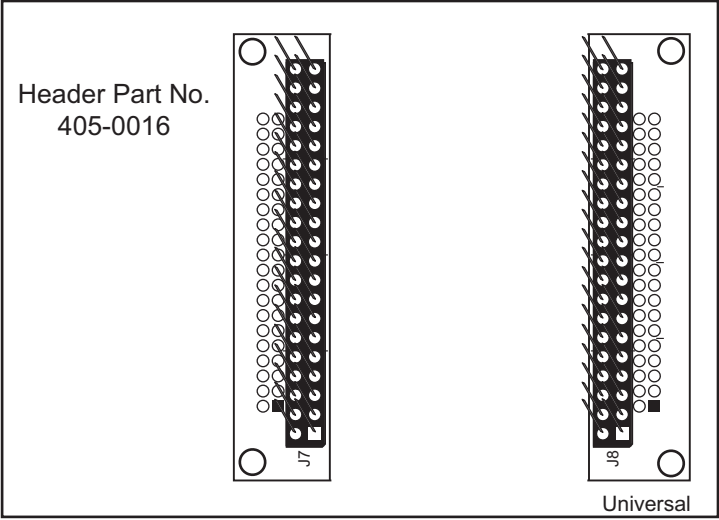


Figure 2. Bottom Side

RCM3400

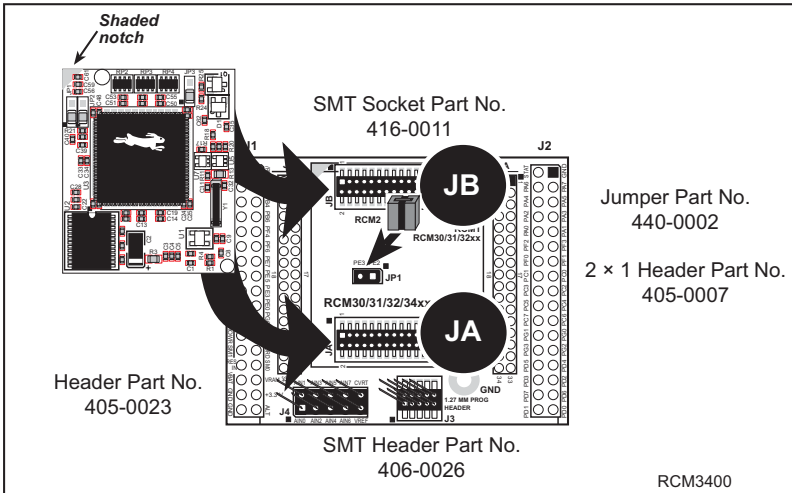


Figure 1. Top Side



Add a jumper as indicated on header JP1 to bring signal PE2 from the RCM3400 to pin 17 on header J1, which is labeled as PE3 for signals from the RCM3000/RCM3100/RCM3200 RabbitCore modules.

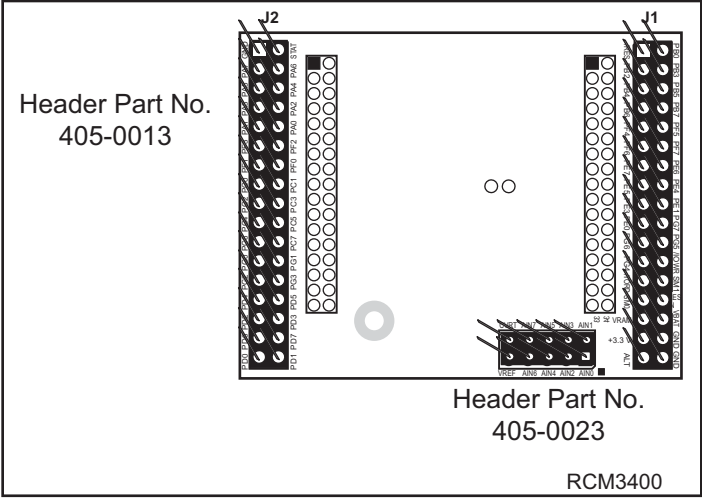


Figure 2. Bottom Side

APPENDIX. SPECIFICATIONS

Mechanical Specifications

Figure A-1 and Figure A-2 show the mechanical dimensions of the Adapter Boards.

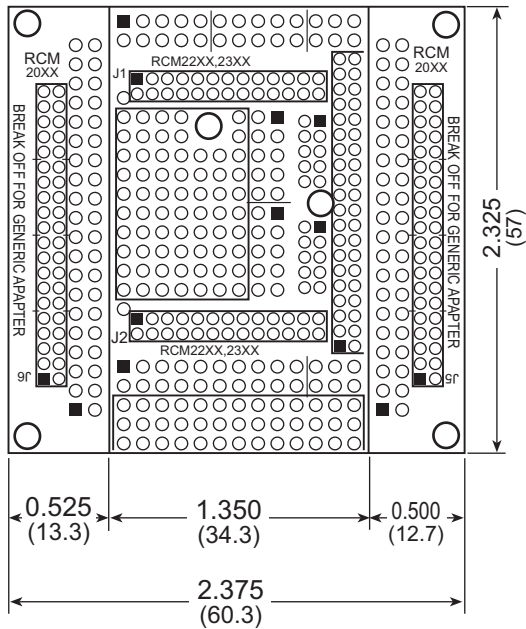


Figure A-1. RCM2000 Series Adapter Board Dimensions

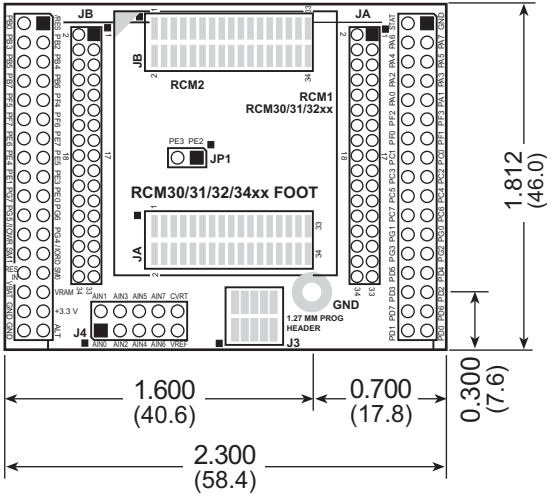


Figure A-2. RCM3000 Series Adapter Board Dimensions



SCHEMATICS

090-0165 RCM2000 Series Adapter Board Schematic

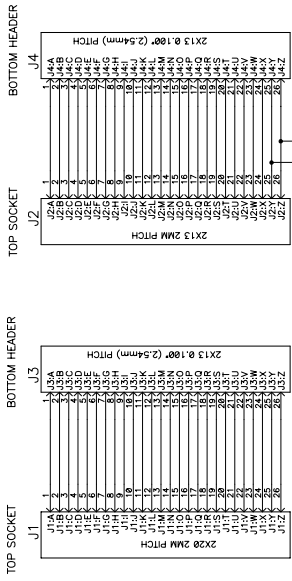
www.rabbit.com/documentation/schemat/090-0165.pdf

090-0171 RCM3000 Series Adapter Board Schematic

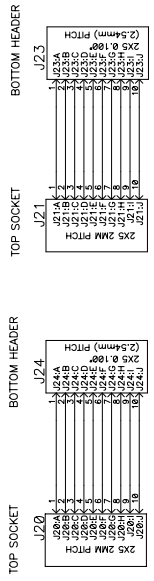
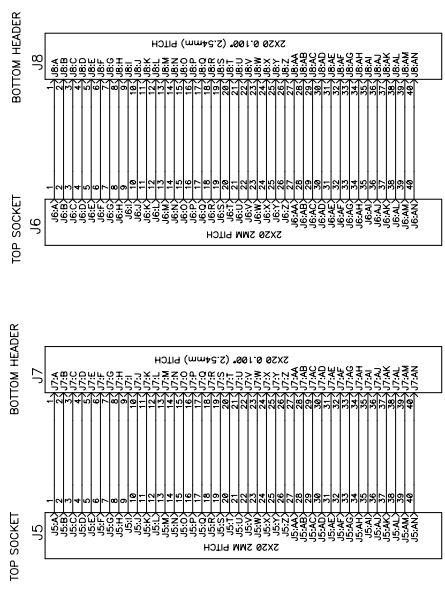
www.rabbit.com/documentation/schemat/090-0171.pdf

You may use the URL information provided above to access the latest schematics directly.

REVISION HISTORY		REVISION APPROVAL			
REV	E/C O	ENGINEER	APPROVAL DATE	APPROVAL CONTROL	APPROVAL DATE
A	E12829	INITIAL RELEASE	RJH	8/7/02	KLS 8/7/02



CONNECTED TO
 PROTOTYPING AREA
 FOR RM2224V/230X
 POWER



Adapter Boards

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		REVISED BY:			
		APPROVALS: INITIAL RELEASE			
		PROJECT ENGINEER:		8/7/02	
		R. HESS		8/7/02	
		ENGINEERING MANAGER:			
		R. MATTHEWS			
		SIGNATURES	DATE	SCALE	RELEASE DATE
					8/7/02



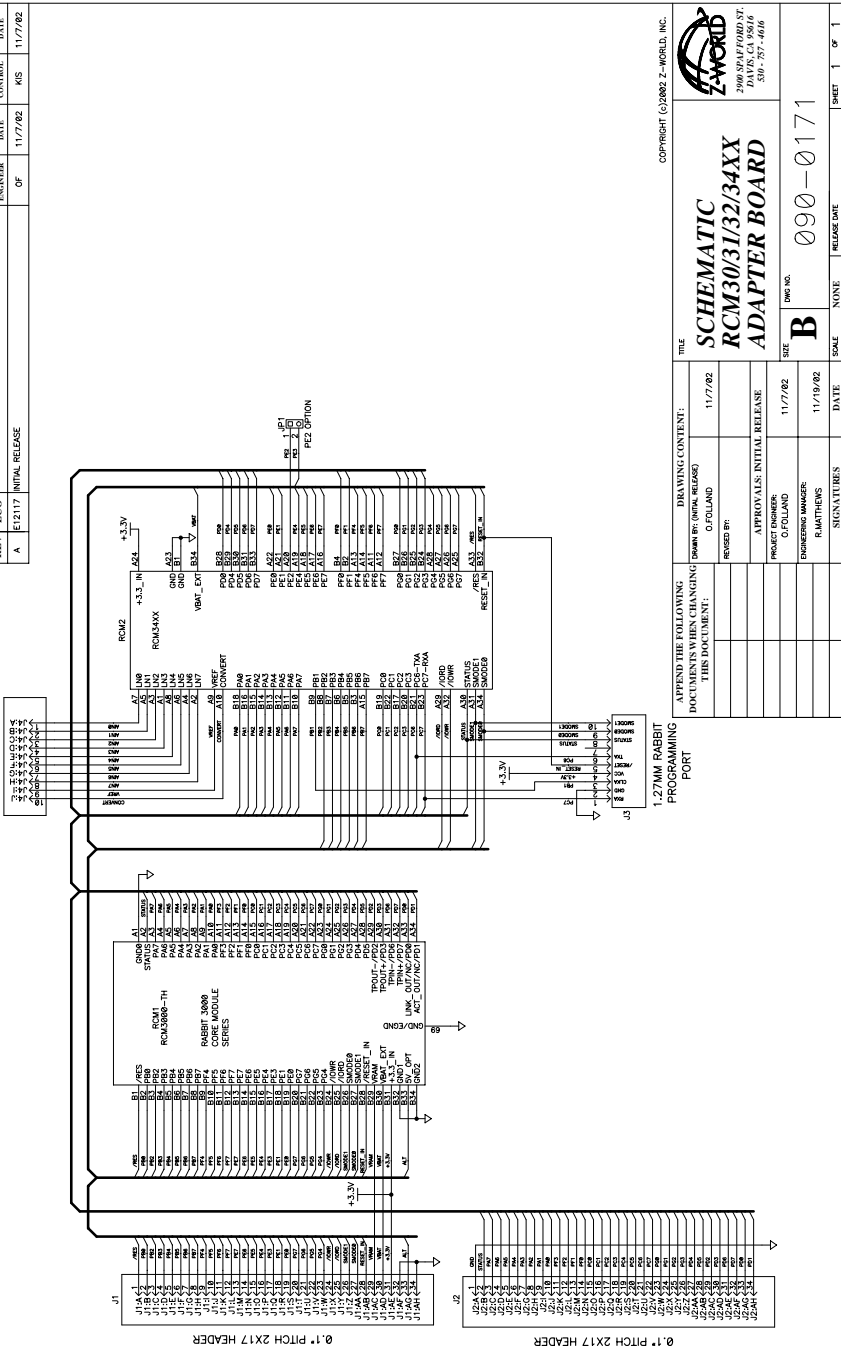
2900 SHELFBORO ST.
 WILMINGTON, NC 28408
 316-257-4616

ADAPTER BOARD SCHEMATIC

090-0165

REVISION HISTORY		REVISION APPROVAL	
REV	RCO	APPROVAL DATE	APPROVAL CONTROL
A	E12117	11/7/82	MS
DESCRIPTION		INITIAL RELEASE	OF

0.1" PITCH 2X5 HEADER
RCM3480 ANALOG



0.1" PITCH 2X17 HEADER

1.27MM RABBIT PROGRAMMING PORT

0.1" PITCH 2X17 HEADER

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APPROVALS: INITIAL RELEASE		APPROVALS: INITIAL RELEASE	
PROJECT ENGINEER: O-FOLLAND		PROJECT ENGINEER: O-FOLLAND	
ENGINEERING MANAGER: R.MATHIES		ENGINEERING MANAGER: R.MATHIES	
DATE: 11/19/82		DATE: 11/19/82	
SIGNATURES:		SIGNATURES:	
SCALE: NONE		SCALE: NONE	
RELEASE DATE:		RELEASE DATE:	
SHEET 1 OF 1		SHEET 1 OF 1	

SCHEMATIC
RCM30/31/32/34XX
ADAPTER BOARD

090-0171

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APPROVE THE FOLLOWING DOCUMENTS WHEN CHANGING THIS DOCUMENT:

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1.27MM RABBIT PROGRAMMING PORT

0.1" PITCH 2X17 HEADER

