

Adapter Boards

User's Manual

019-0119 • 060930-C

Adapter Boards User's Manual

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Adapter Boards

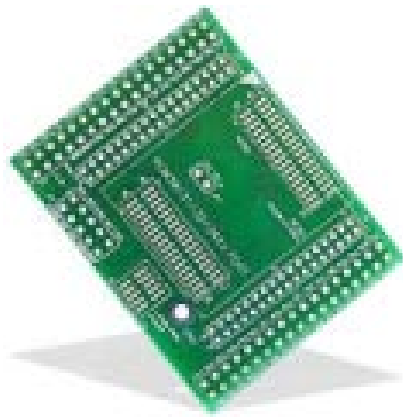


TABLE OF CONTENTS

Adapter Boards Use	5
<i>Rabbit 2000 Based RabbitCore Modules</i>	
RCM2000	6
RCM2100	8
RCM2200	10
RCM2300	11
BL1800	12
Universal 2 mm to 0.1" Adapter	14
<i>Rabbit 3000 Based RabbitCore Modules</i>	
RCM3000/RCM3100/RCM3200	16
RCM3400	18
Appendix. Specifications	21
Mechanical Specifications	21
Schematics	23



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

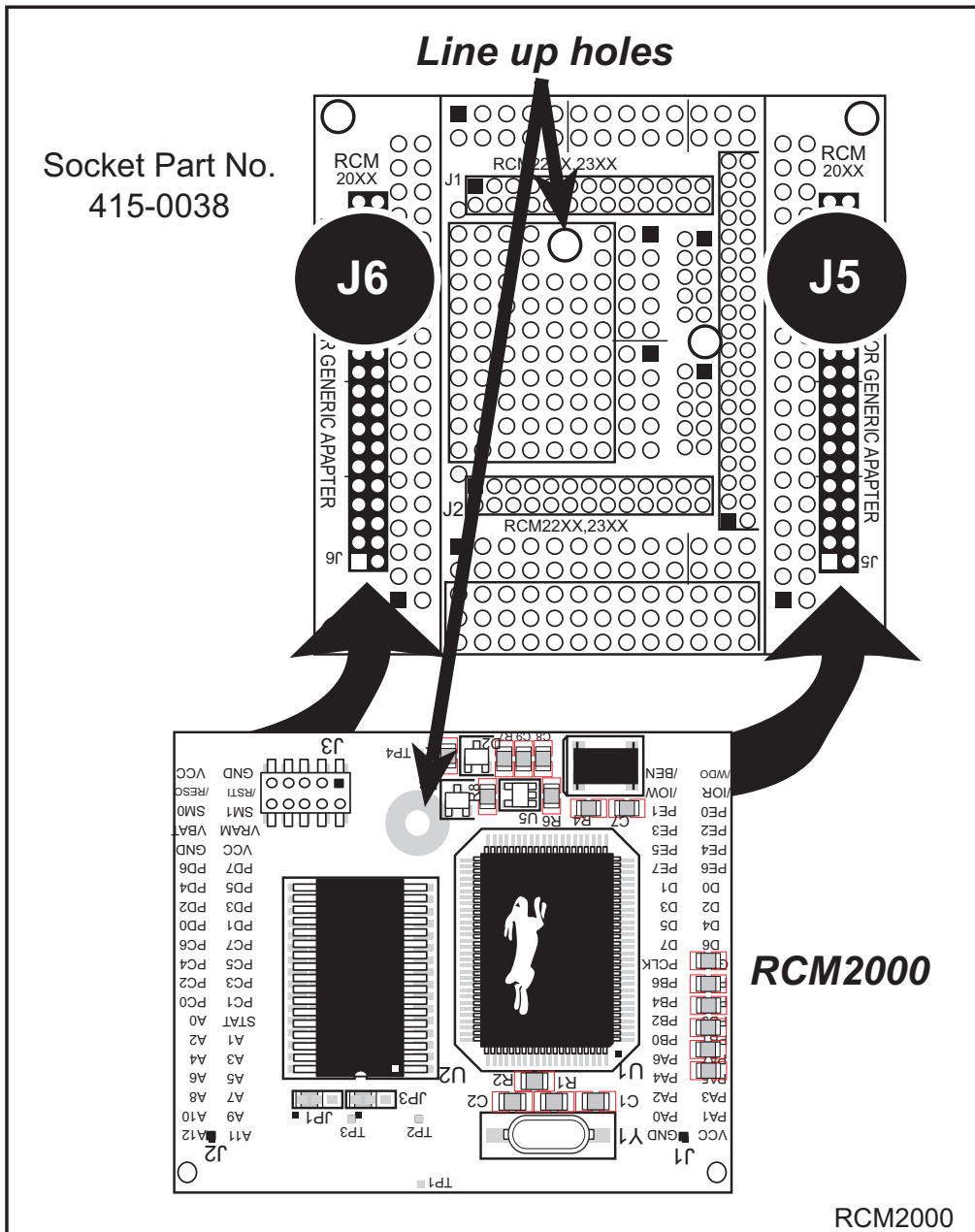


Figure 1. Top Side

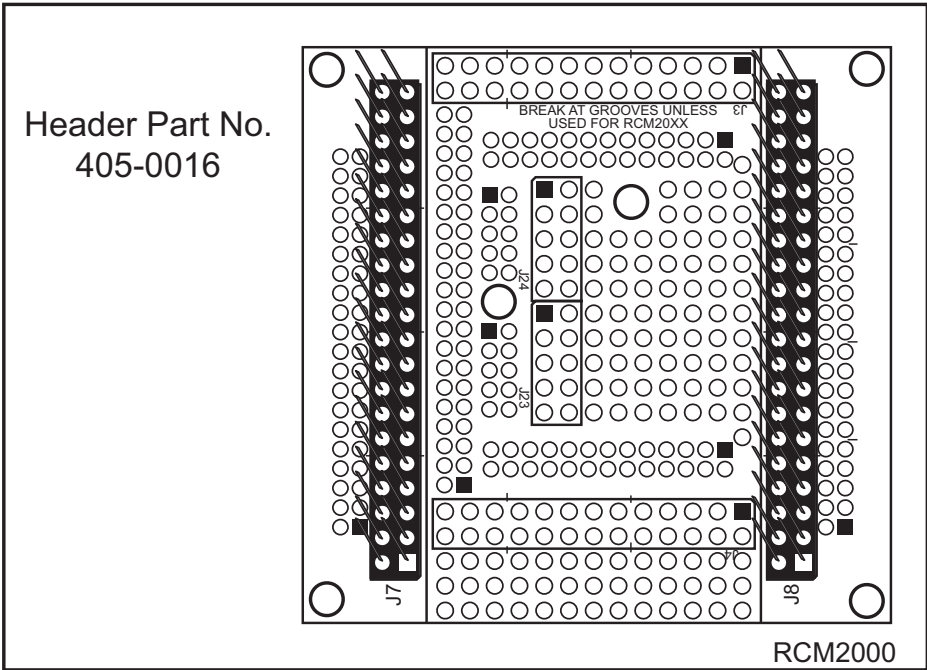


Figure 2. Bottom Side

RCM2100

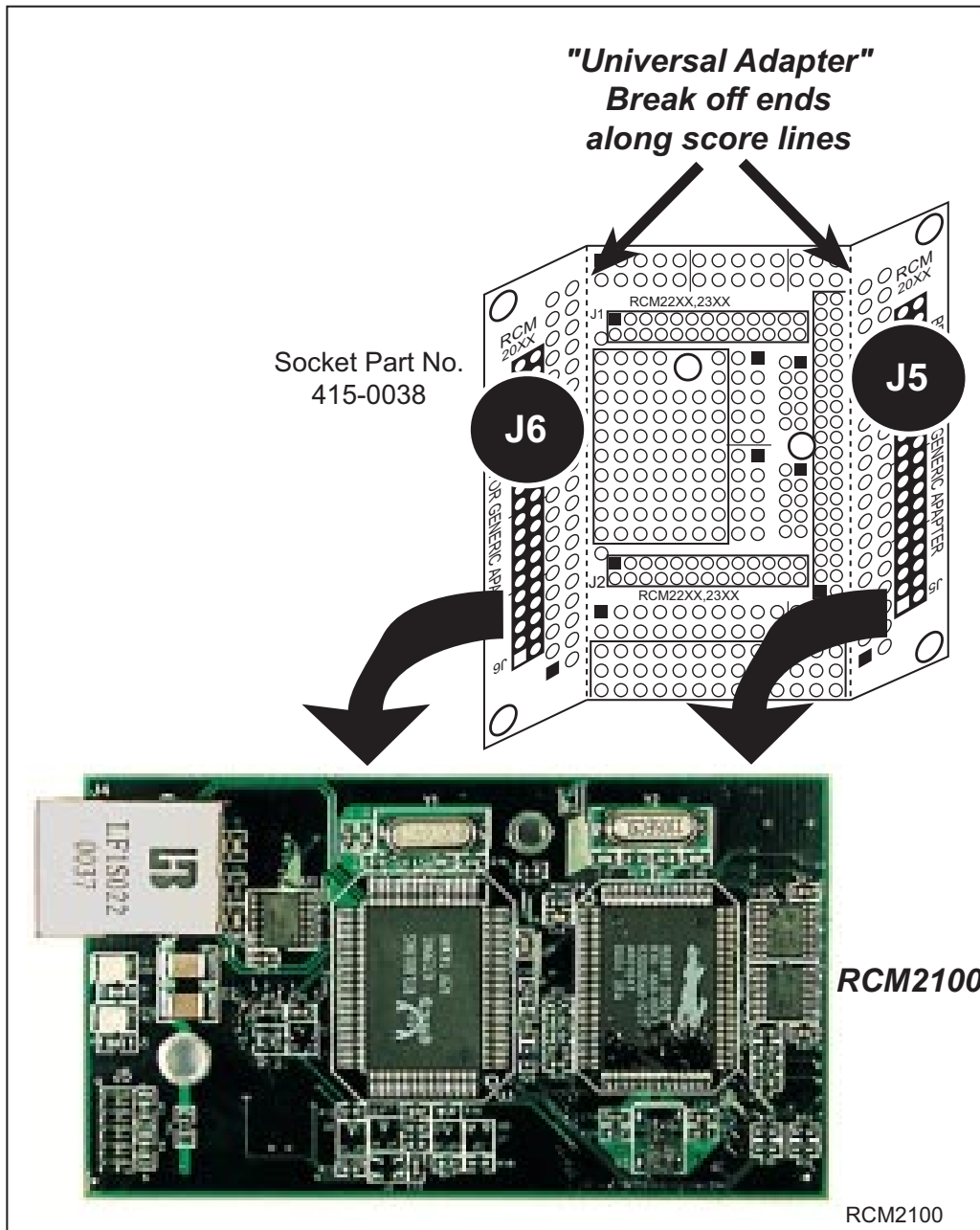


Figure 1. Top Side

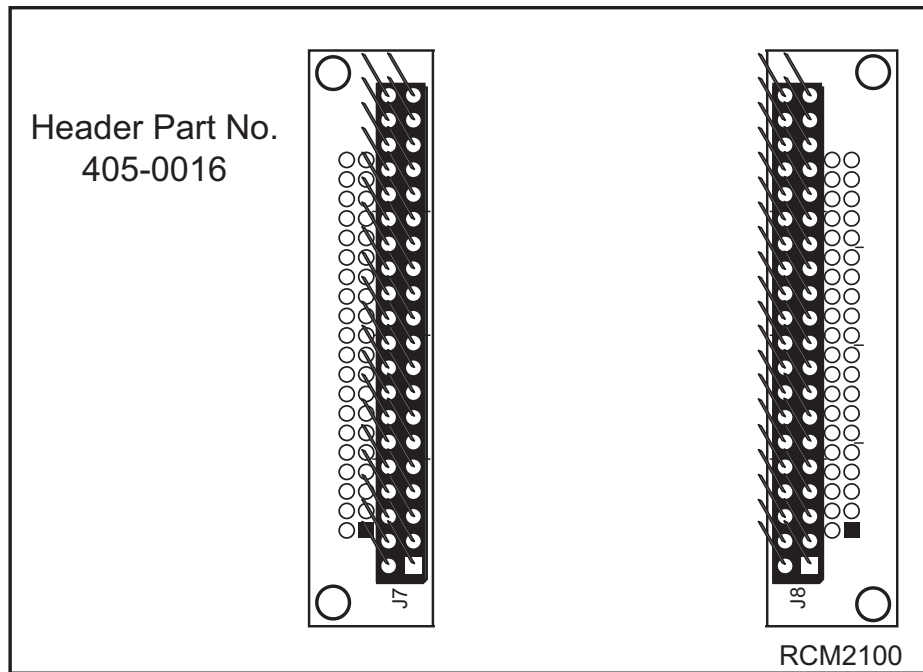


Figure 2. Bottom Side

RCM2200

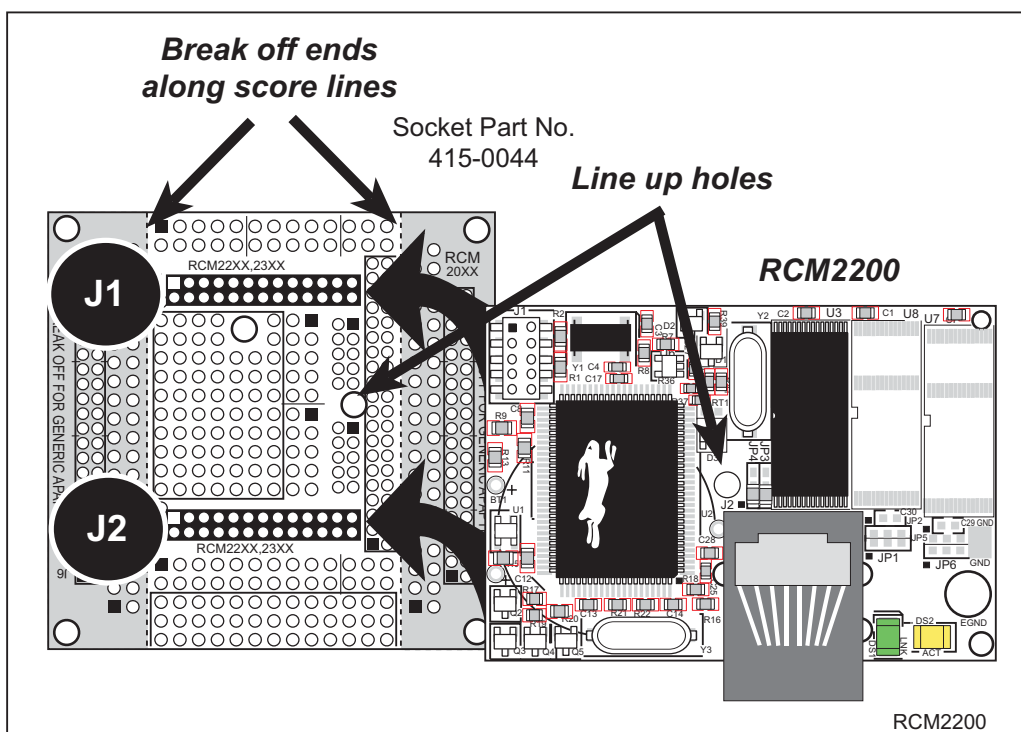


Figure 1. Top Side

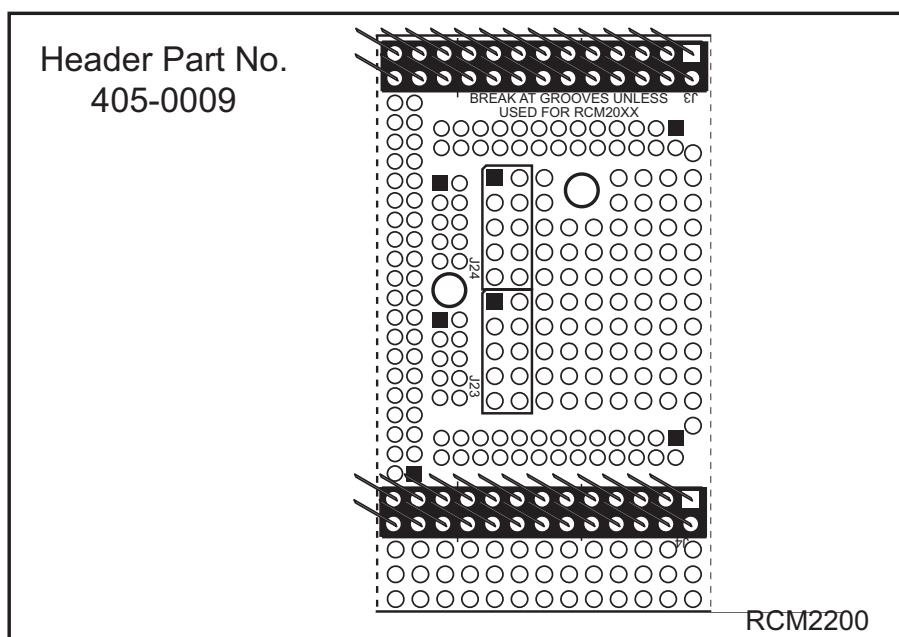


Figure 2. Bottom Side

RCM2300

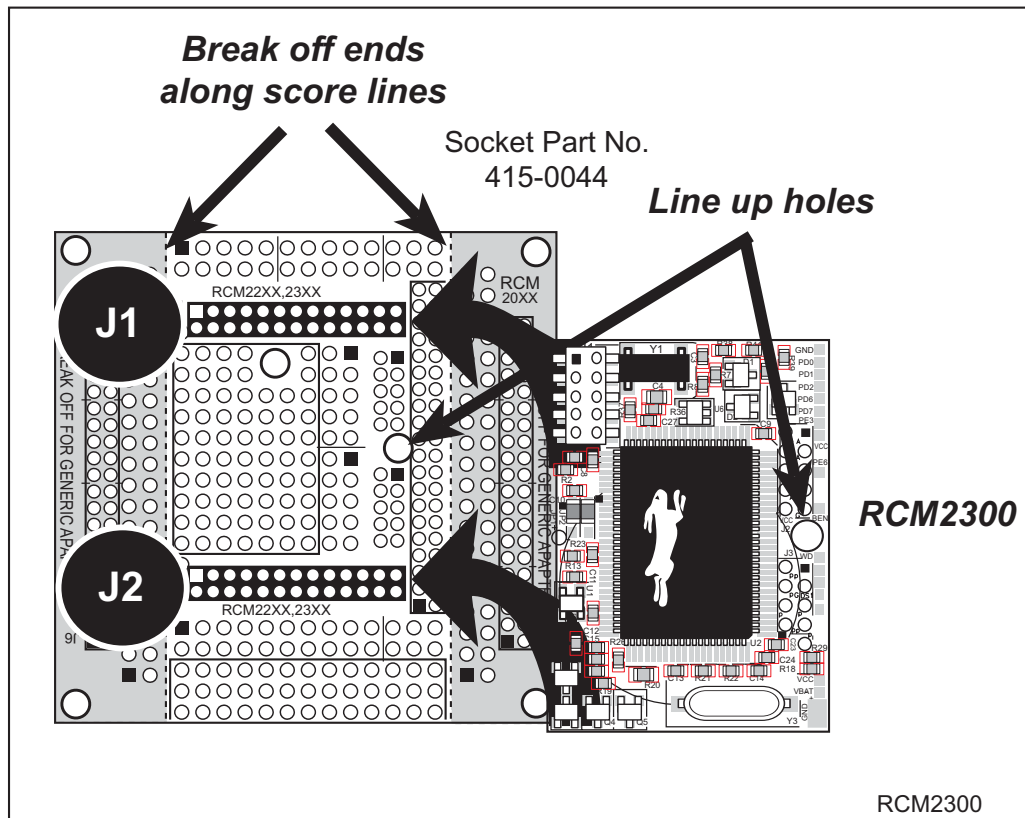


Figure 1. Top Side

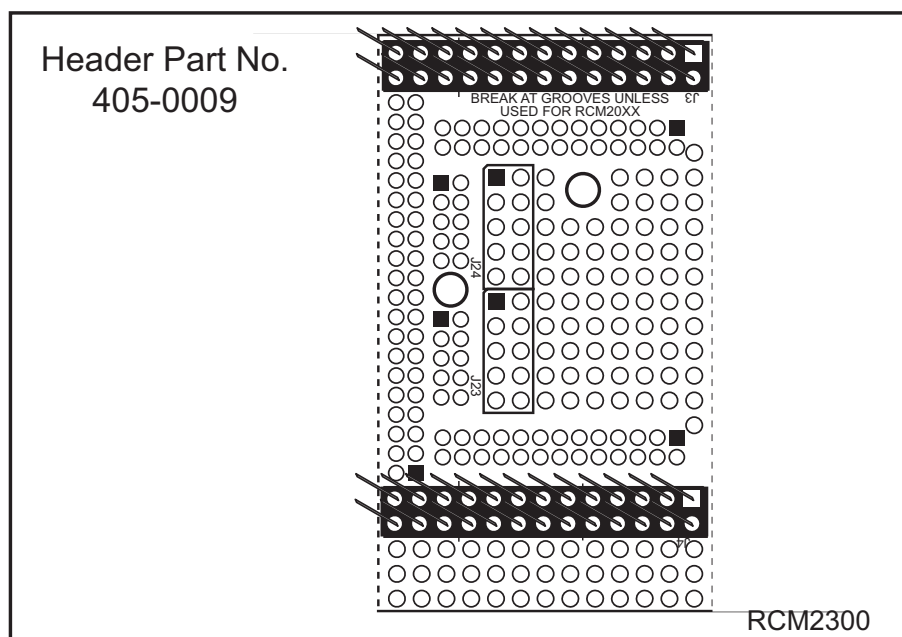


Figure 2. Bottom Side

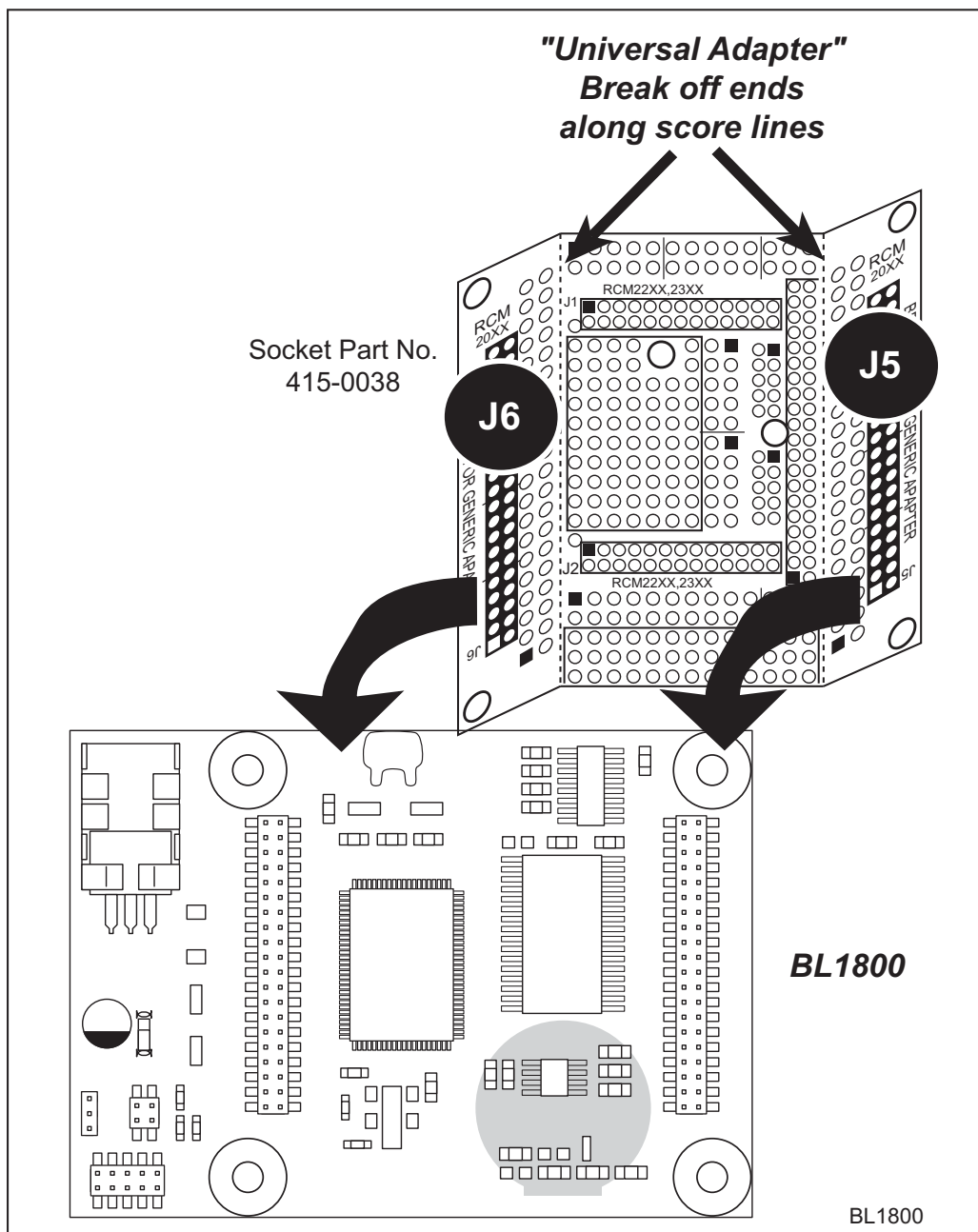


Figure 1. Top Side

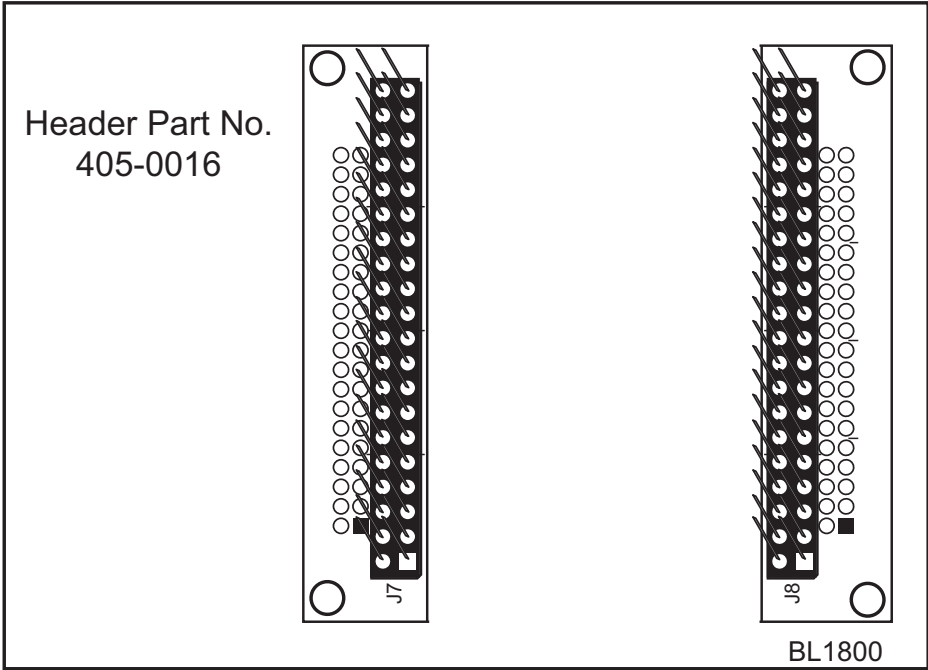


Figure 2. Bottom Side

Universal 2 mm to 0.1" Adapter

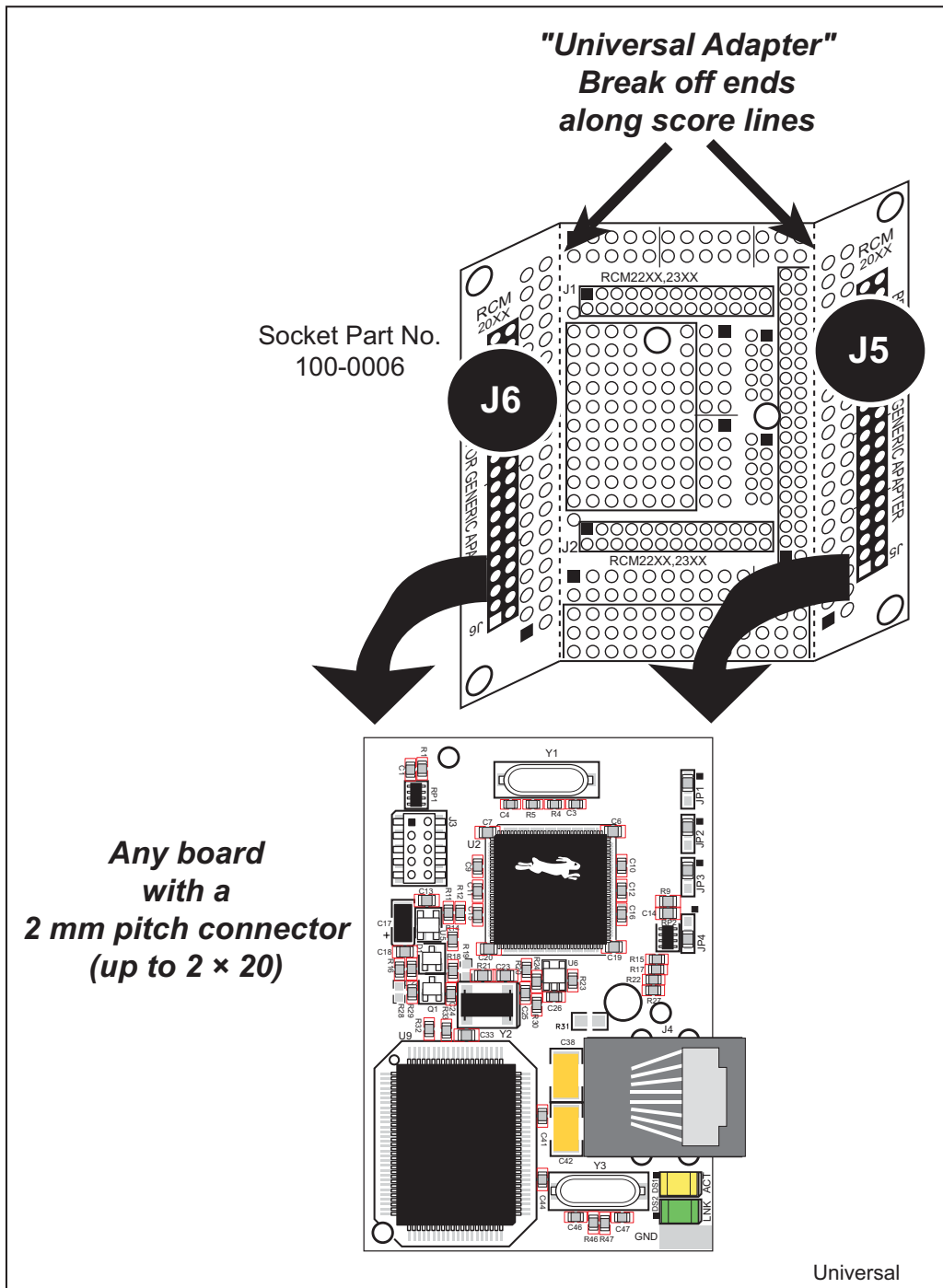


Figure 1. Top Side

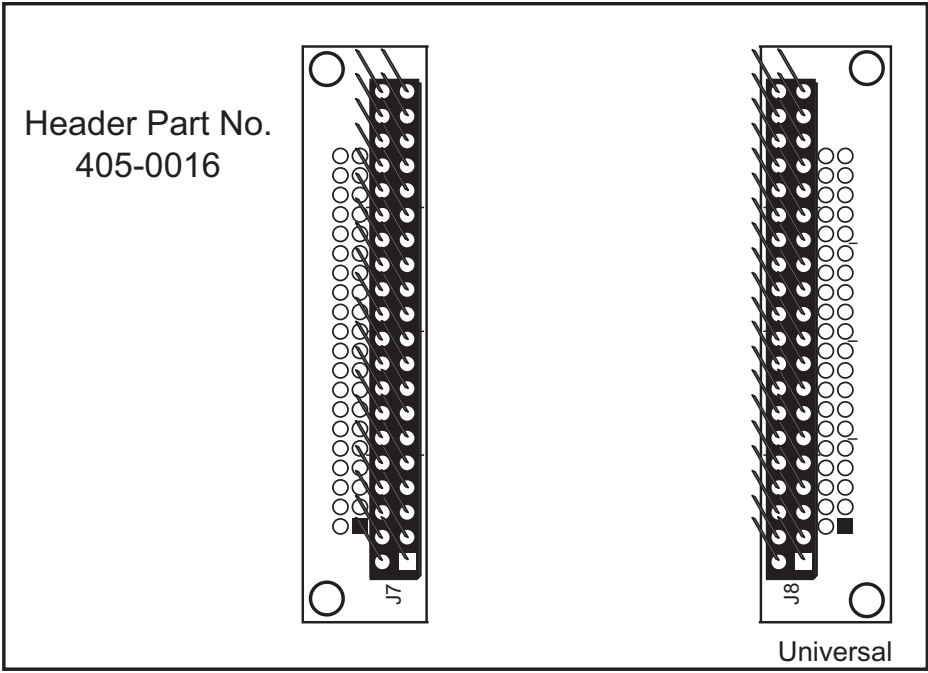


Figure 2. Bottom Side

RCM3000/RCM3100/RCM3200

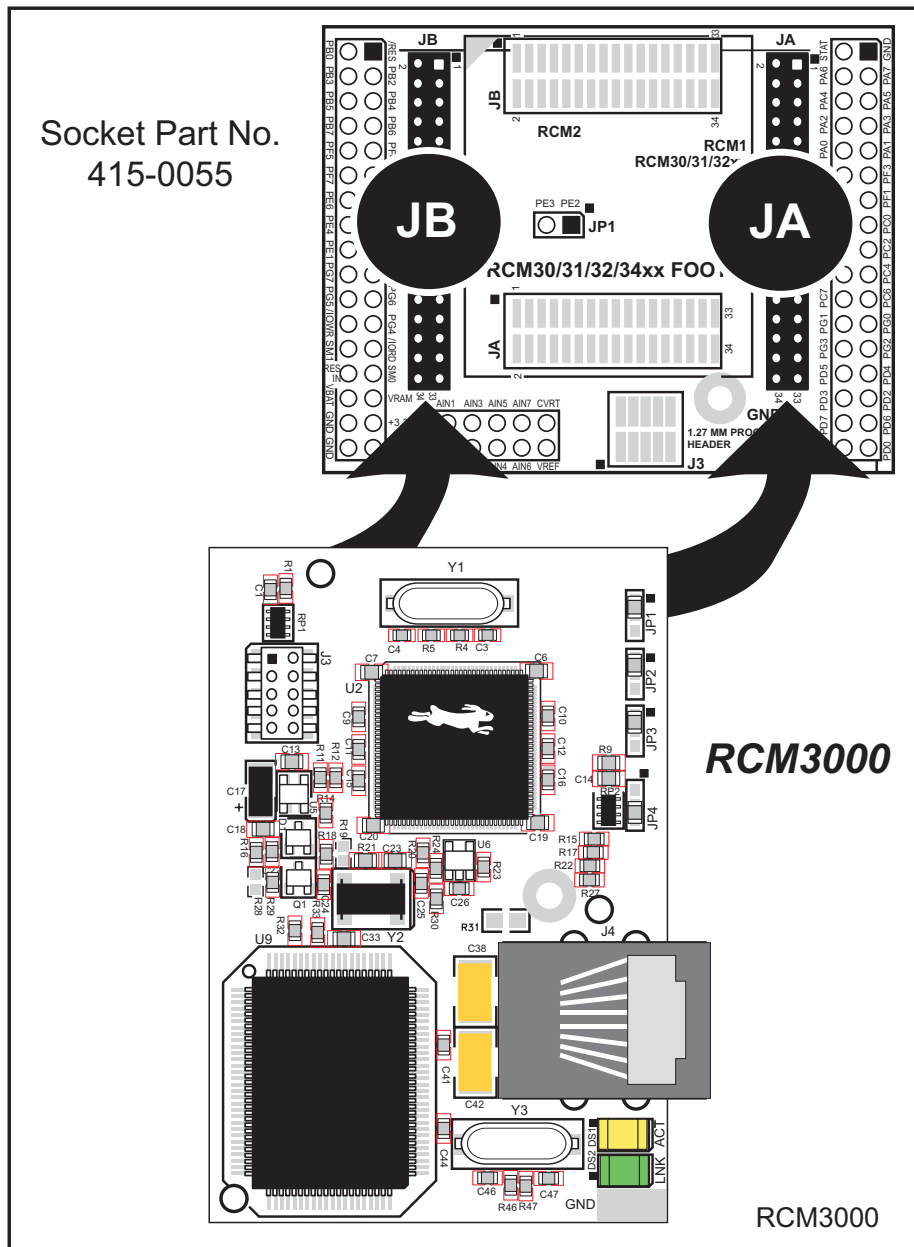


Figure 1. Top Side

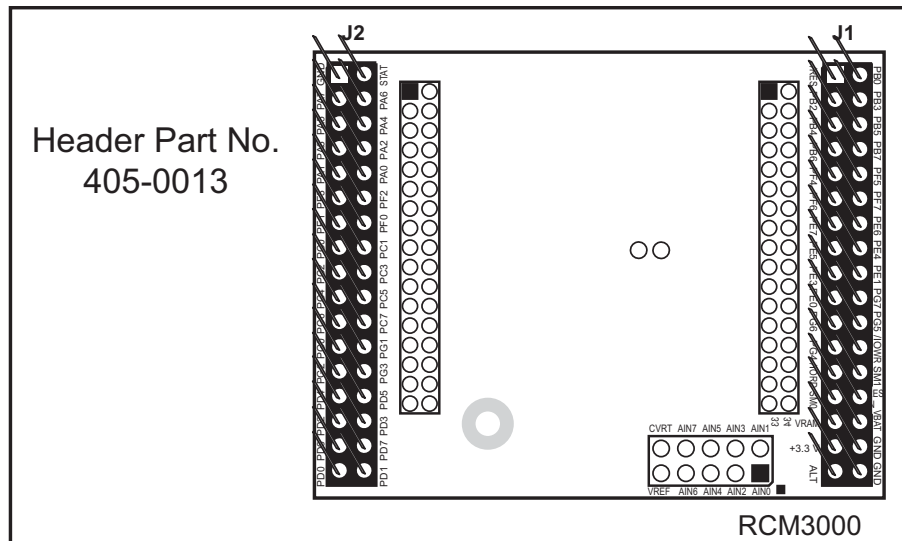


Figure 2. Bottom Side

RCM3400

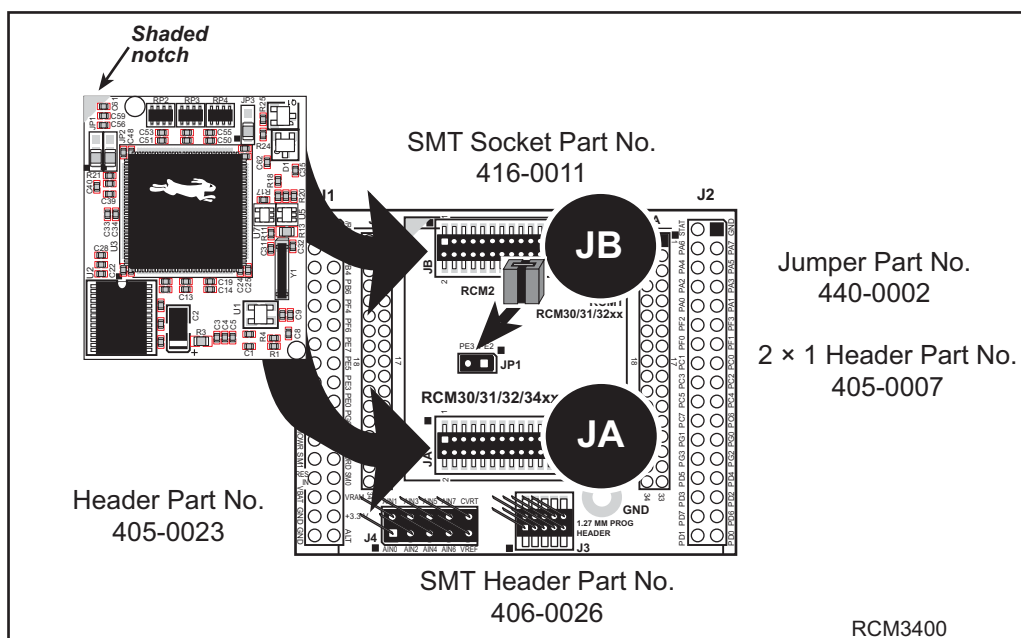


Figure 1. Top Side



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.

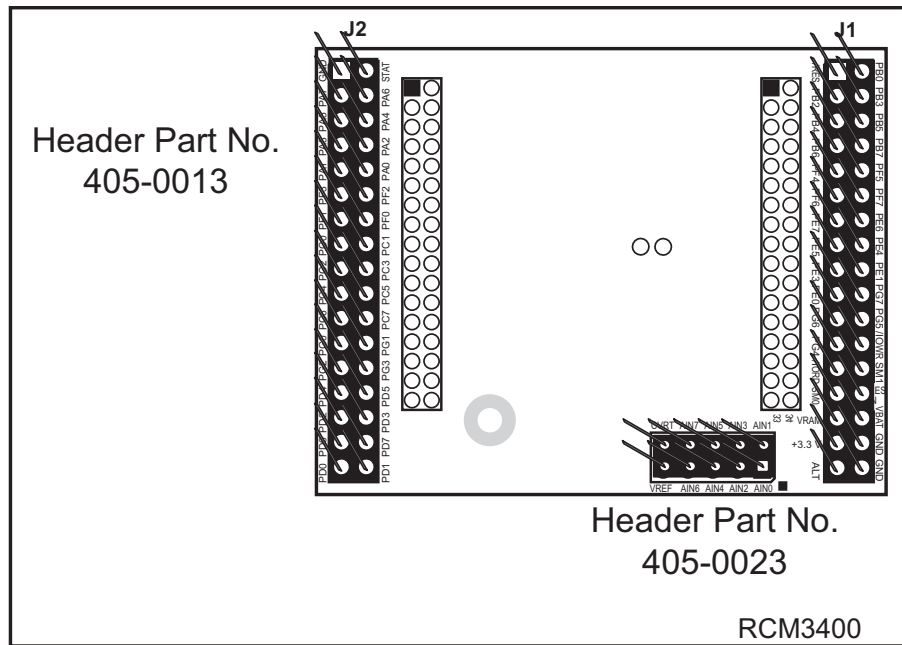


Figure 2. Bottom Side

APPENDIX. SPECIFICATIONS

Mechanical Specifications

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

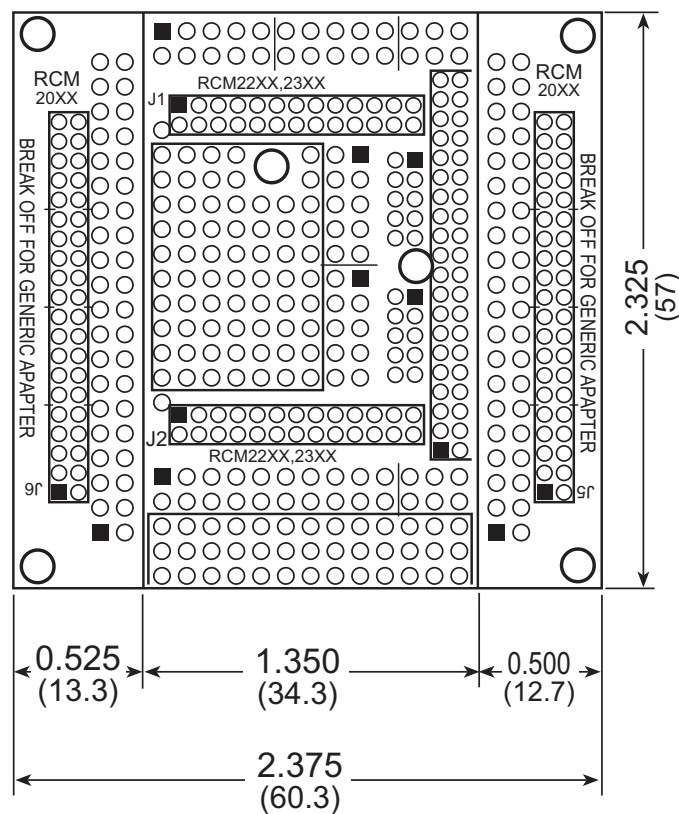


Figure A-1. RCM2000 Series Adapter Board Dimensions

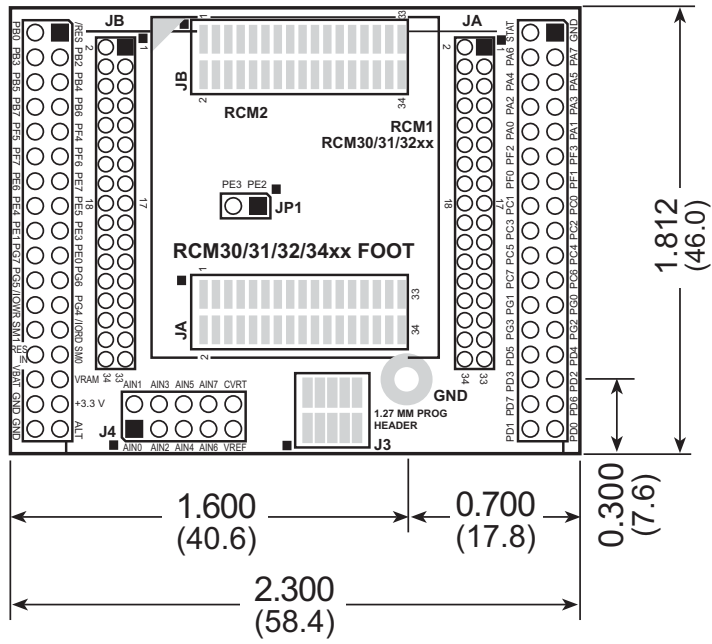


Figure A-2. RCM3000 Series Adapter Board Dimensions



SCHEMATICS

090-0165 RCM2000 Series Adapter Board Schematic

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

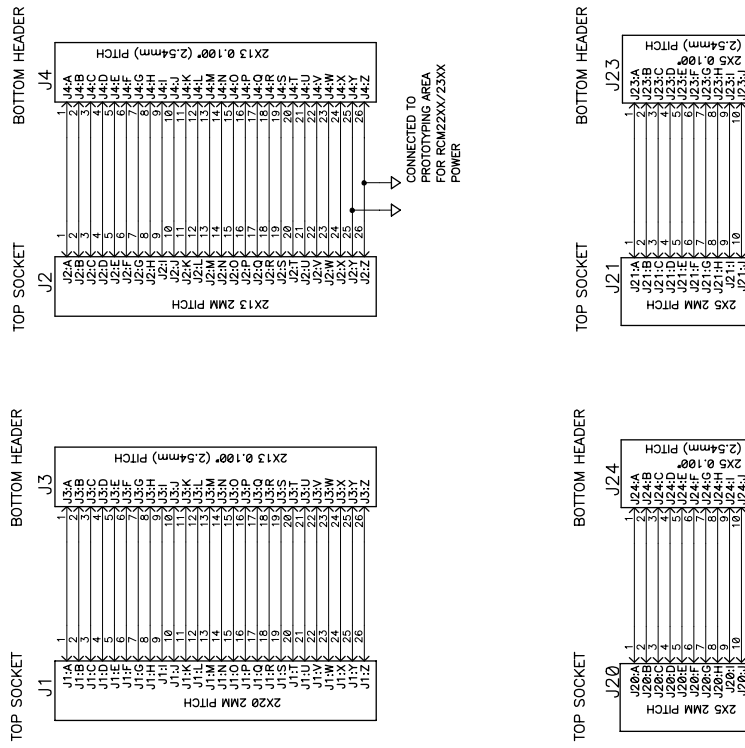
090-0171 RCM3000 Series Adapter Board Schematic

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

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

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		RJH	8/7/02
		KLS	8/7/02

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REV	ECO	PROJECT ENGINEER	APPROVAL DATE
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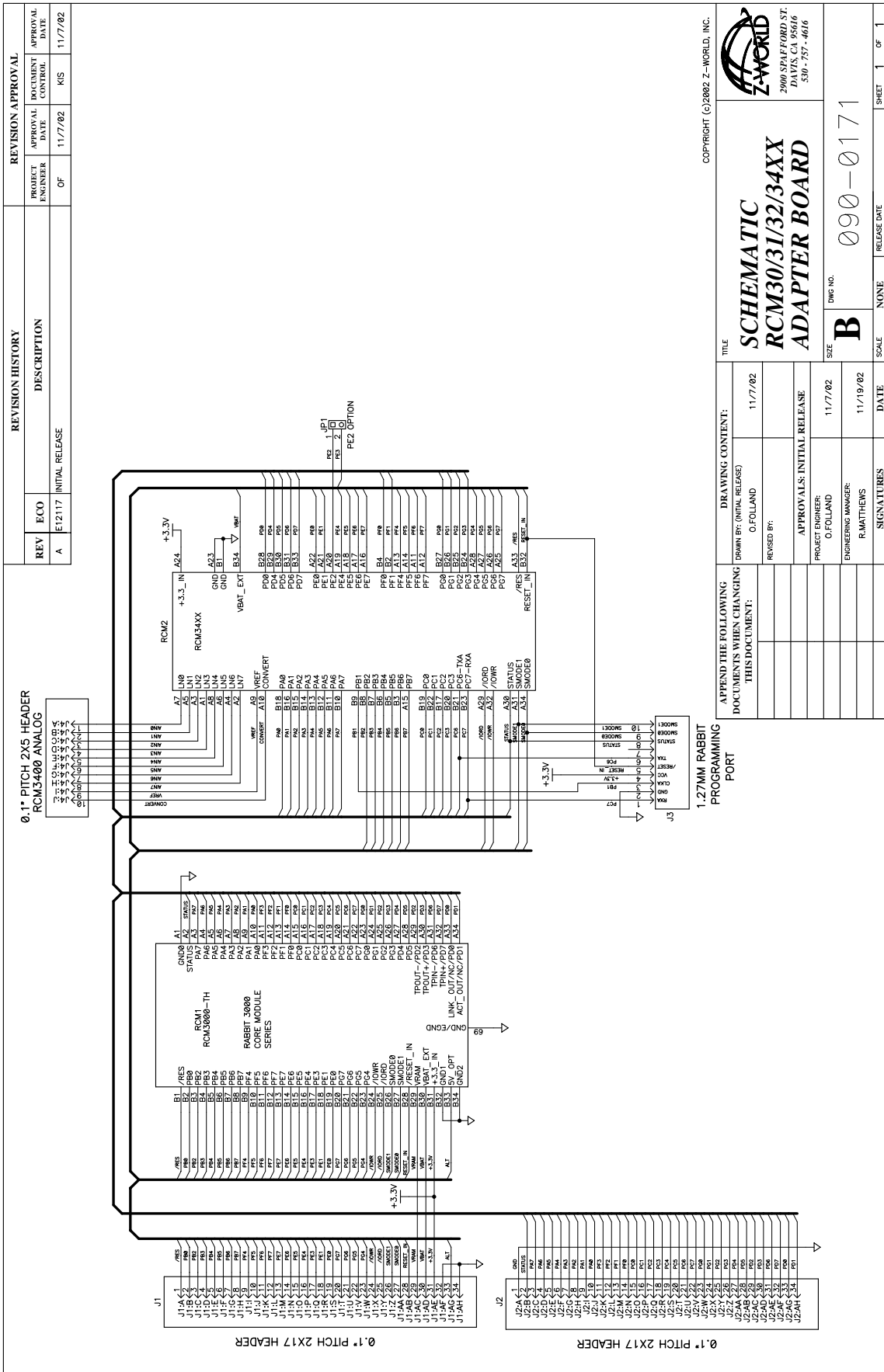
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		B	
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		NONE	
PROJECT ENGINEER:		RELEASE DATE	
R. HESS	8/7/02	8/7/02	
ENGINEERING MANAGER:		SHEET	
R. MATTHEWS	8/7/02	1 OF 1	

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ADAPTER BOARD SCHEMATIC

090-0165



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SCHEMATIC
RCM30/31/32/34XX
ADAPTER BOARD

TITLE: SCHEMATIC
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O.FOLLAND
REVISED BY:
APPROVALS: INITIAL RELEASE
PROJECT ENGINEER: O.FOLLAND
ENGINEERING MANAGER: R.MATHEWS

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ENGINEERING MANAGER: R.MATHEWS

SIZE: B
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SCALE: NONE
RELEASE DATE: 11/19/02
SHEET 1 OF 1

Adapter Boards