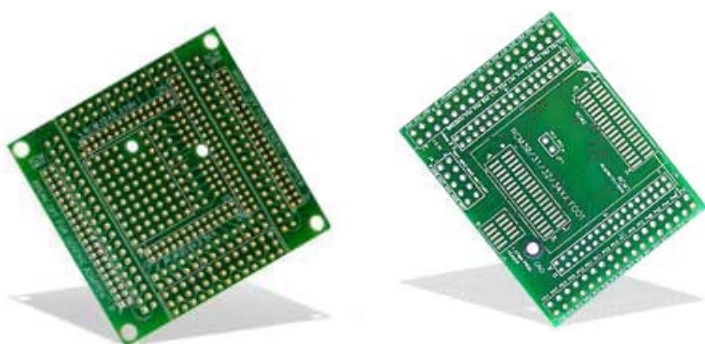




Adapter Boards

User's Manual

019-0119 • 030220-B



Adapter Boards User's Manual

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Rabbit Semiconductor

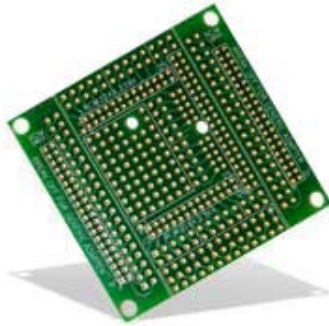
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Adapter Board for Rabbit 2000 Based RabbitCore Modules



Adapter Board for Rabbit 3000 Based RabbitCore Modules

ADAPTER BOARDS USE

Z-World and Rabbit Semiconductor offer two Adapter Boards to allow you to use Z-World and Rabbit Semiconductor 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 Z-World or Rabbit Semiconductor single-board computer or RabbitCore module is in place on the Adapter Board.

RCM2000

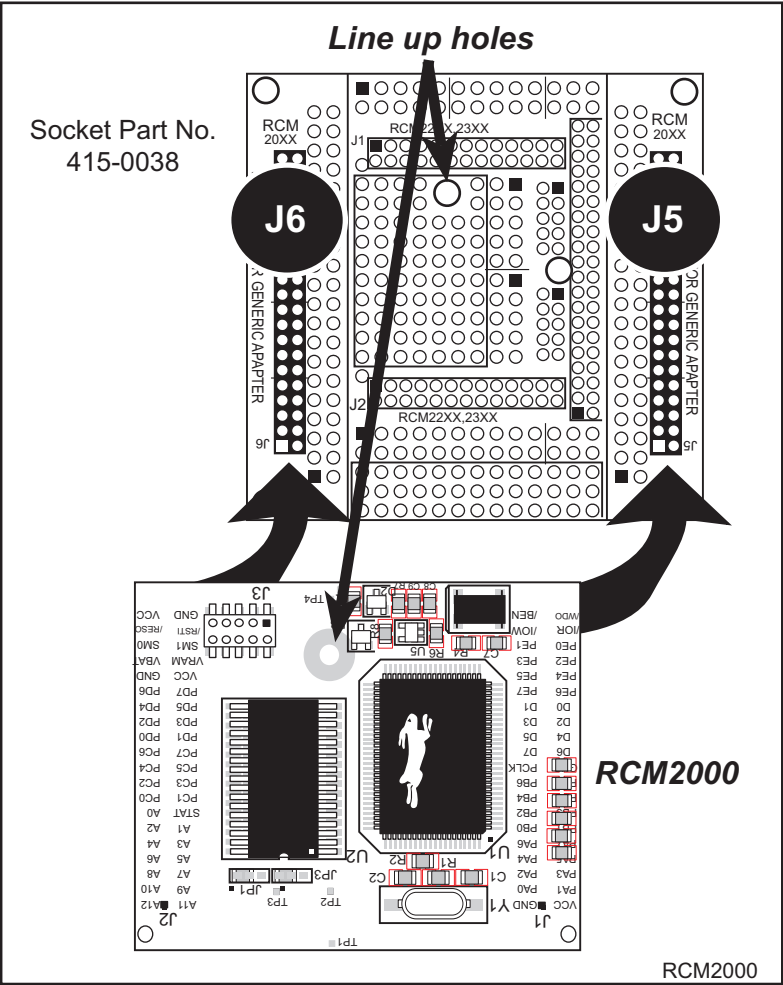


Figure 1. Top Side

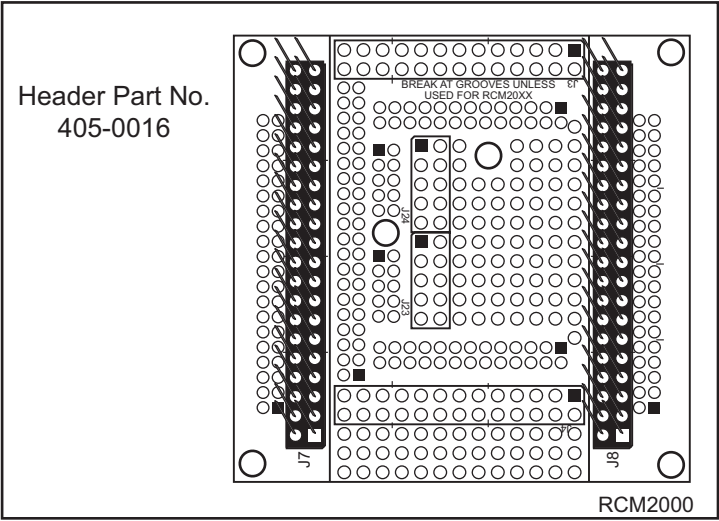


Figure 2. Bottom Side

RCM2100

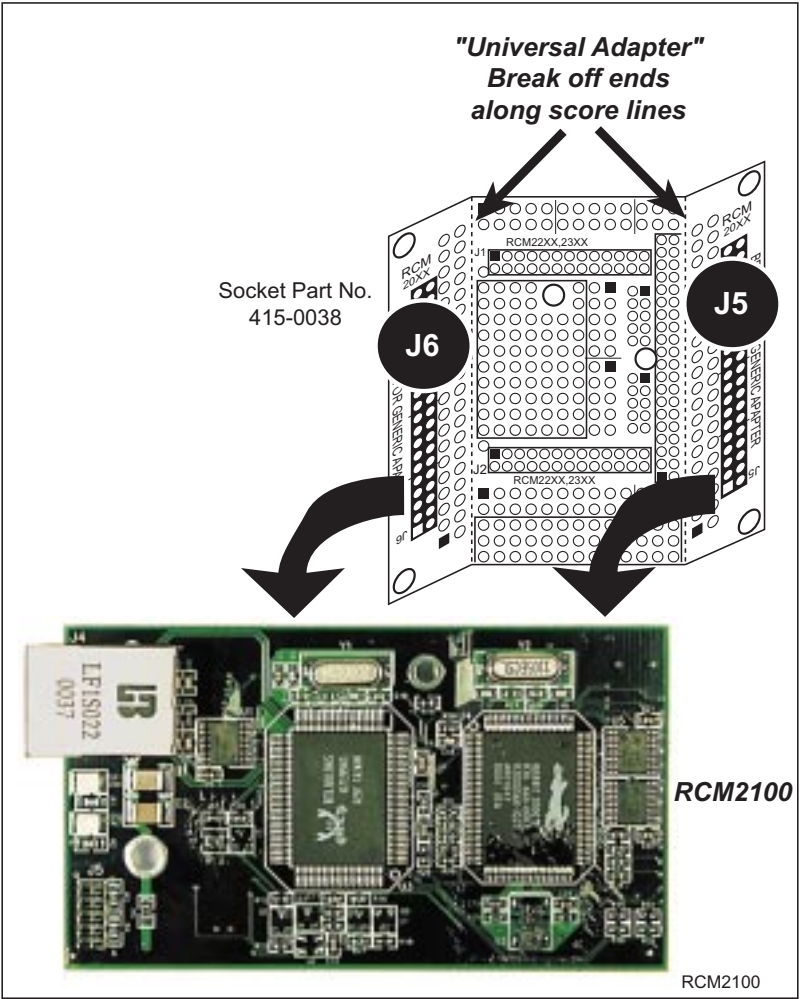


Figure 1. Top Side

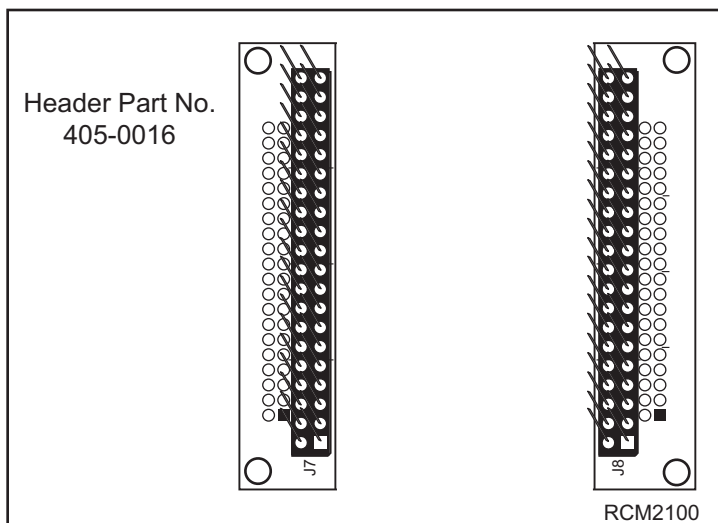


Figure 2. Bottom Side

RCM2200

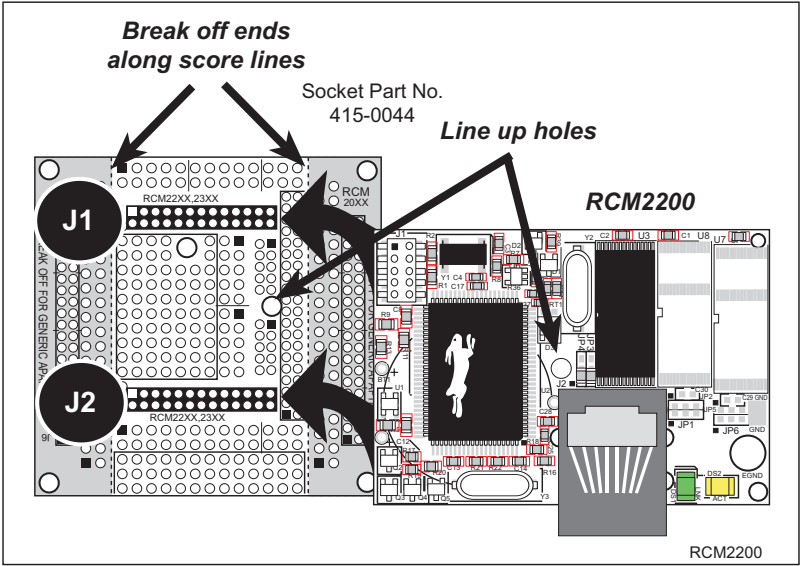


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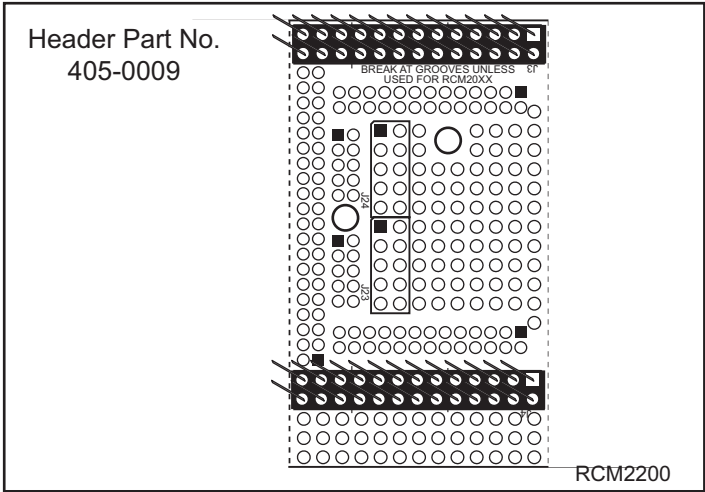


Figure 2. Bottom Side

RCM2300

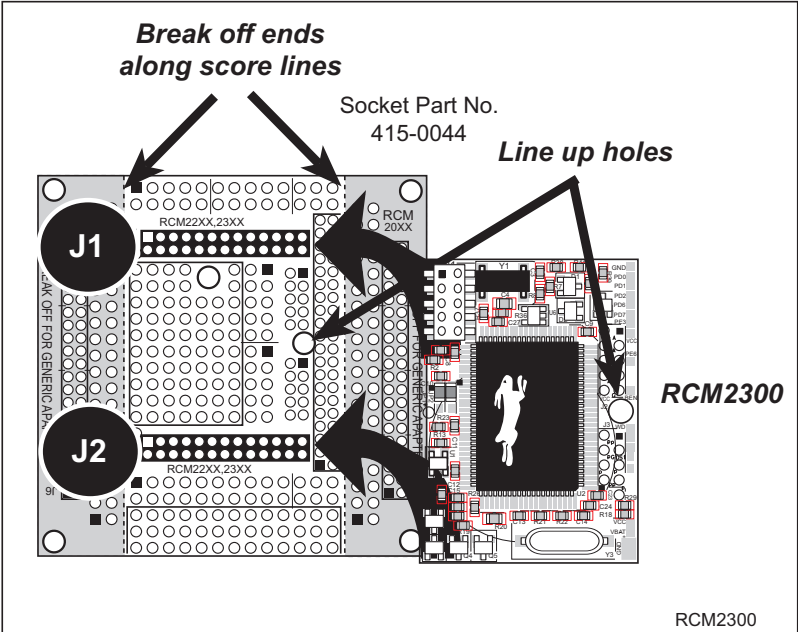


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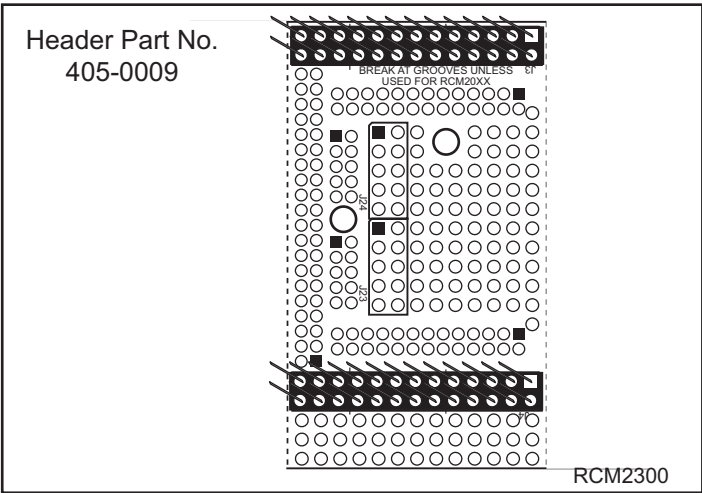


Figure 2. Bottom Side

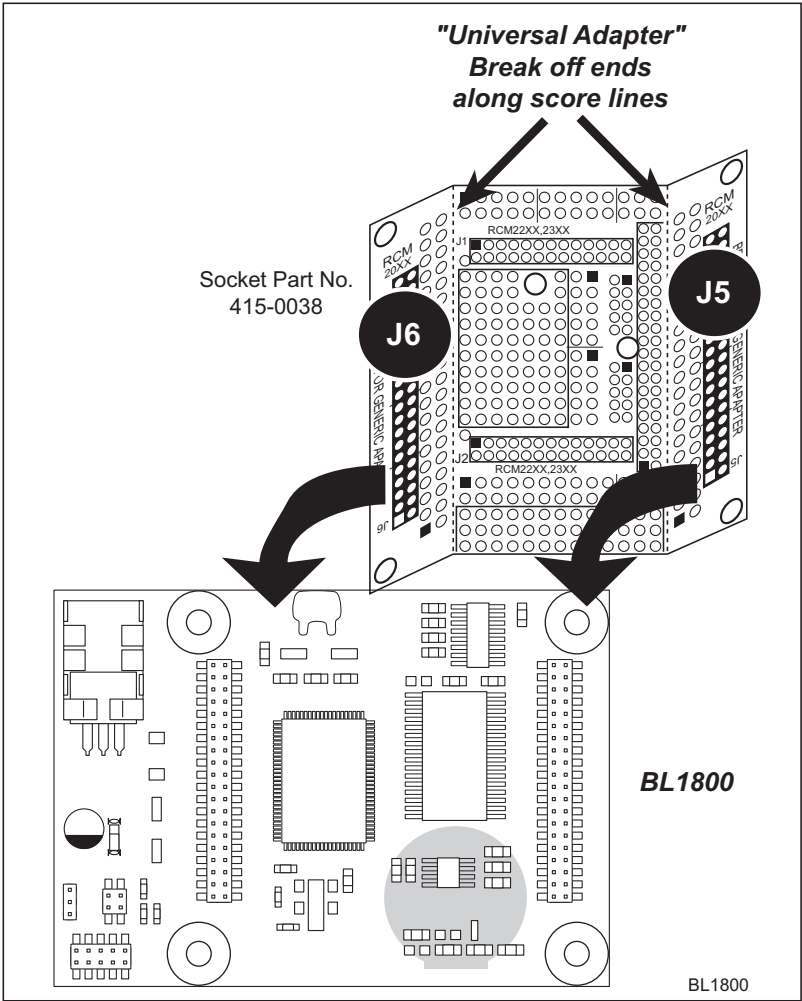


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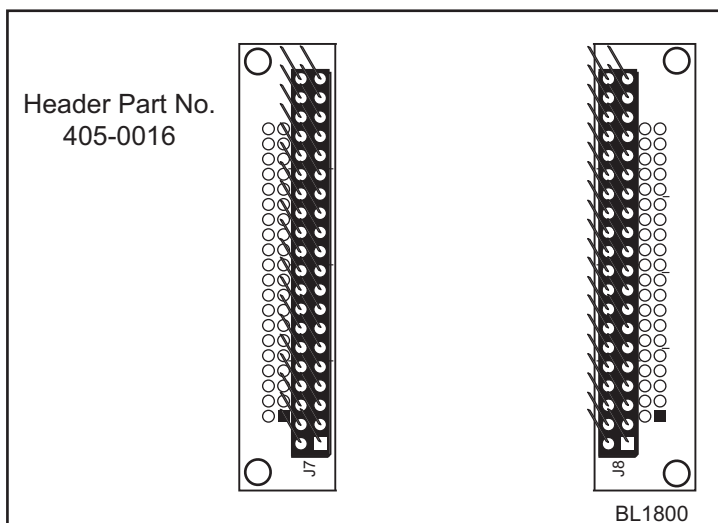


Figure 2. Bottom Side

Universal 2 mm to 0.1" Adapter

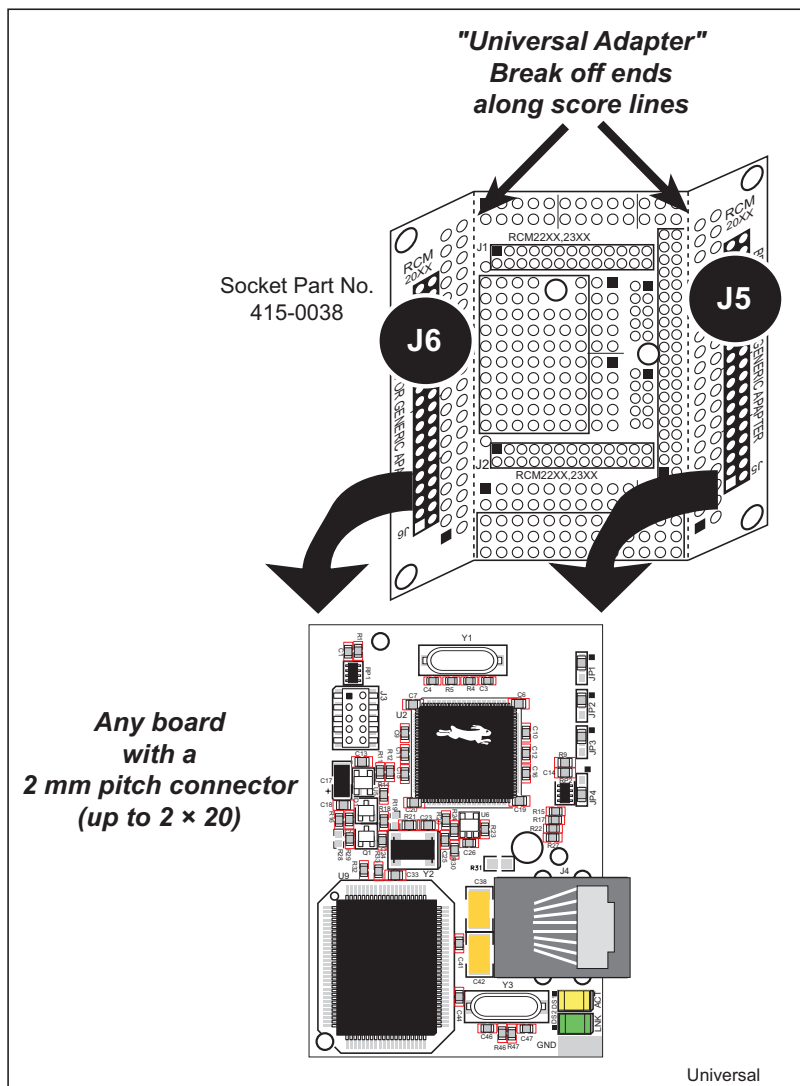


Figure 1. Top Side

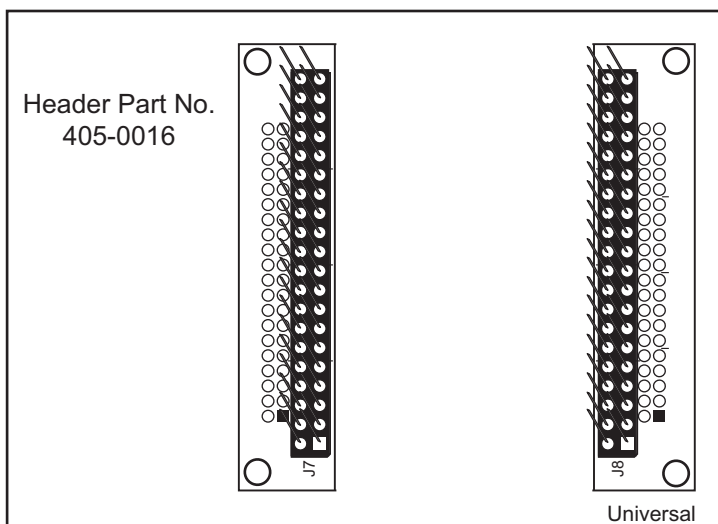


Figure 2. Bottom Side

RCM3000/RCM3100/RCM3200

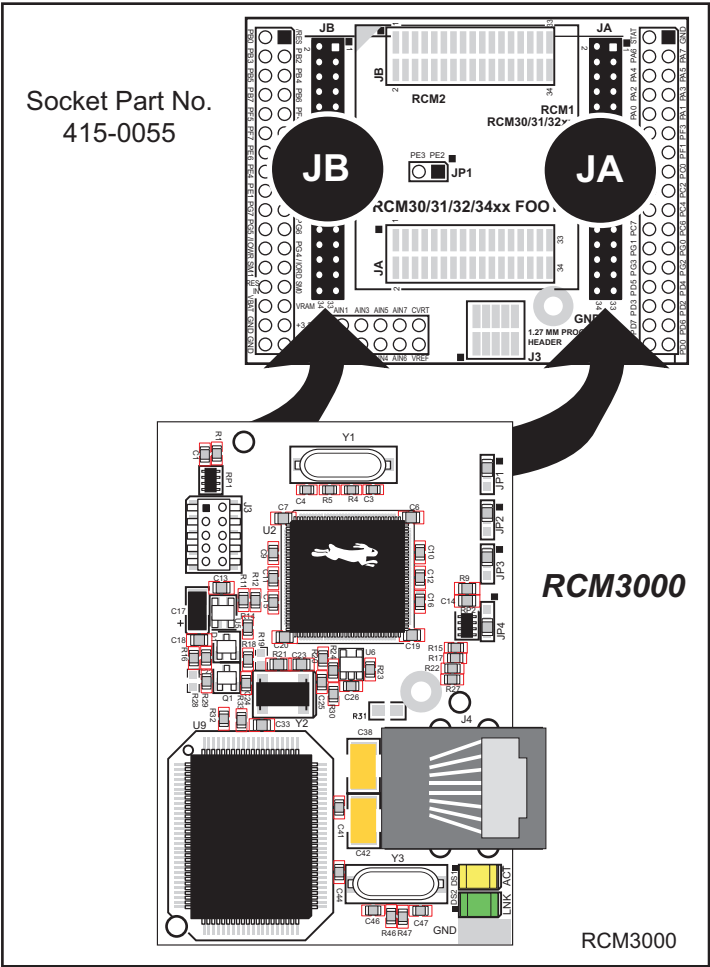


Figure 1. Top Side

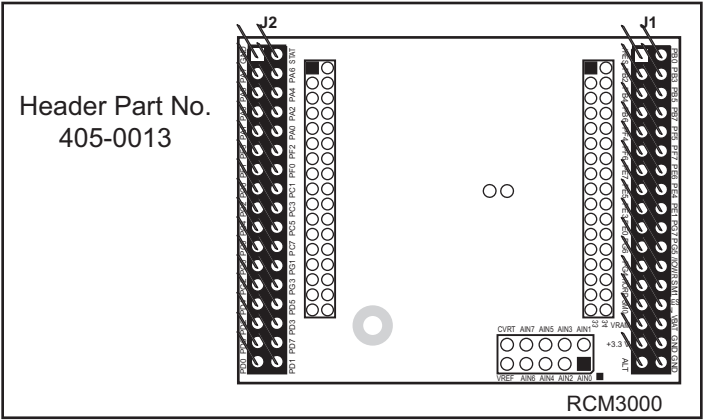


Figure 2. Bottom Side

RCM3400

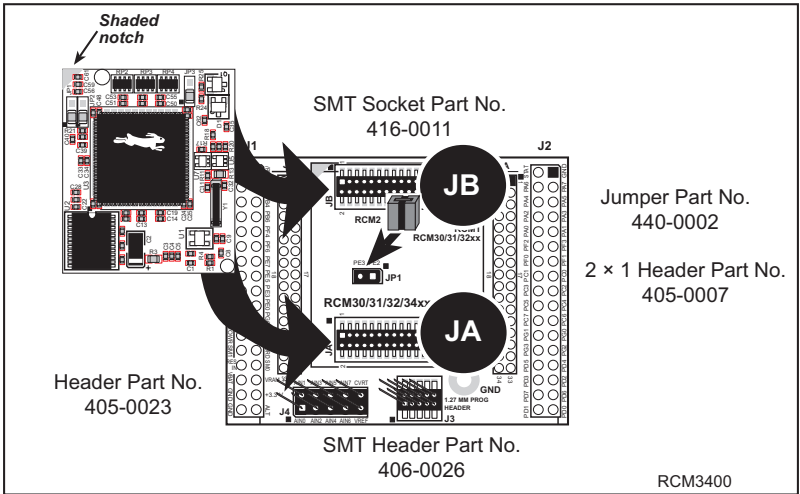


Figure 1. Top Side



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.

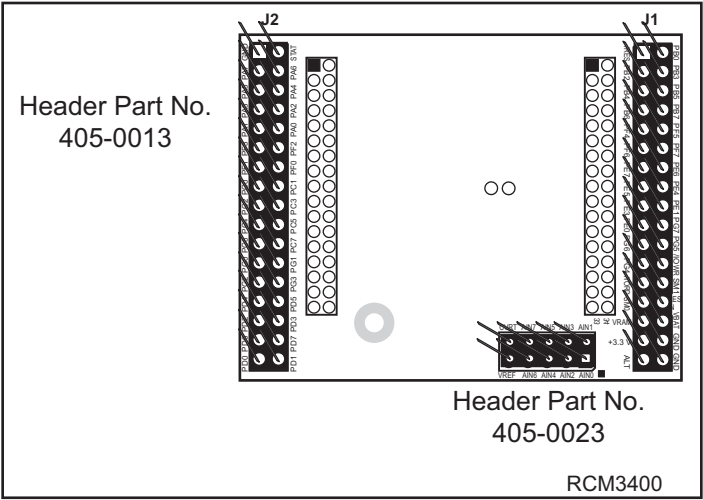


Figure 2. Bottom Side

APPENDIX. SPECIFICATIONS

Mechanical Specifications

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

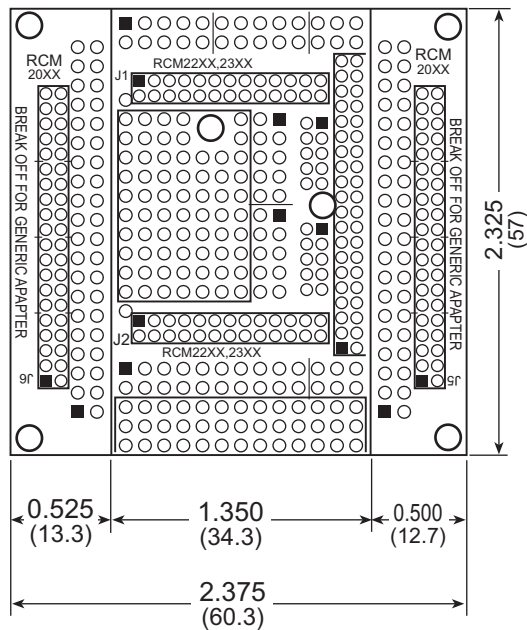


Figure A-1. RCM2000 Series Adapter Board Dimensions

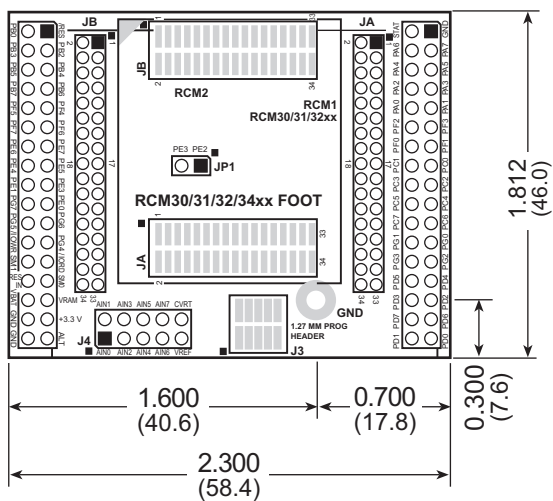


Figure A-2. RCM3000 Series Adapter Board Dimensions



SCHEMATICS

090-0165 RCM2000 Series Adapter Board Schematic

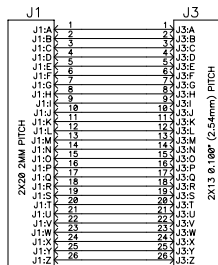
www.zworld.com/documentation/schemat/090-0165.pdf

090-0171 RCM3000 Series Adapter Board Schematic

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

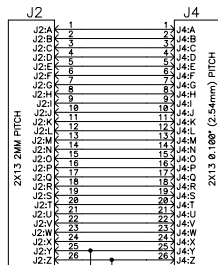
The schematics included with the manual were the latest revisions available at the time the manual was last revised. The online versions of the manual contain links to the latest revised schematic on the Web site. You may also use the URL information provided above to access the latest schematics directly.

TOP SOCKET



BOTTOM HEADER

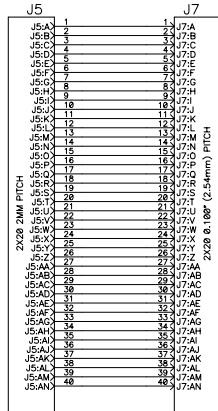
TOP SOCKET



BOTTOM HEADER

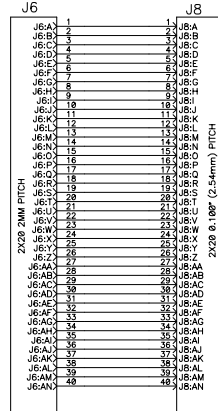
CONNECTED TO
PROTOTYPING AREA
FOR RCM22XX/23XX
POWER

TOP SOCKET



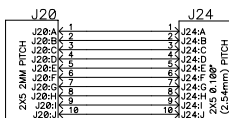
BOTTOM HEADER

TOP SOCKET



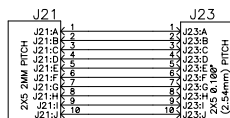
BOTTOM HEADER

TOP SOCKET



BOTTOM HEADER

TOP SOCKET



BOTTOM HEADER

REVISION HISTORY			REVISION APPROVAL			
REV	ECO	DESCRIPTION	PROJECT ENGINEER	APPROVAL DATE	DOCUMENT CONTROL	APPROVAL DATE
A	E12029	INITIAL RELEASE	RJH	8/7/02	KIS	8/7/02

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		REVISED BY:					
		APPROVALS: INITIAL RELEASE					
	PROJECT ENGINEER: R. HESS	8/7/02	SIZE B	DWG NO. 090-0165	SHEET 1 OF 1		
	ENGINEERING MANAGER: R. MATTHEWS	8/7/02					
	SIGNATURES	DATE	SCALE NONE	RELEASE DATE 8/7/02			



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