

ZoomTM

ColdFire Development Kit

M5329EVB

Product Change Notification

developed by 

Launched by Motorola




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REVISION HISTORY

REV	EDITOR	DESCRIPTION	APPROVAL	DATE
A	Jed Anderson	Initial Release	JCA	4/21/06

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1 PCN 320 M5329EVB Baseboard 5V Issue

Published: April 2006

PCN Classification:

A - Recall

B - Customer Action Required

C - Product Upgrade/ No Customer Action Required

D - Change of Production Line

1.1 Products Affected

This PCN affects the SDK baseboard subassembly contained within the M5329EVB kit. To help identify the affected product, the table below lists the model number, its associated kit assembly part number, and the affected SDK baseboard subassembly part number.

Affected Model Numbers
M5329EVB
with Assembly PN 1004665 rev 1
and SDK baseboard PN 1004544 rev 1

1.2 Description of Change

Due to a manufacturing issue with the printed circuit board (PCB), the 5V signal on LCD connector J11 is not present on pin 54 and pin 3.

Future revisions of this product will have this PCB issue corrected.

1.3 Applications Affected

Customers not utilizing LCD displays or connector J11 will not be affected.

Customers using custom LCD cables may not be affected.

Customers using Logic Product Development display kits that require 5V power will be affected. When initiated by software, the display kit may appear to not power up properly.

1.4 Work Around

Rework instructions are provided in this document for customers who wish to manually correct the issue. The rework instructions involve soldering a wire to the bottom side of the SDK PCB.

Instructions:

On the backside of the SDK PCB, solder a wire connecting J12 pin 1 to J11 Pin 54.

Figure 1.1 shows the backside of the PCB. The area outlined in red indicates where the rework will be performed. Figure 1.2 is an enlarged image of the outlined rework area. Two red arrows point to the pin locations that need to be connected by the wire.

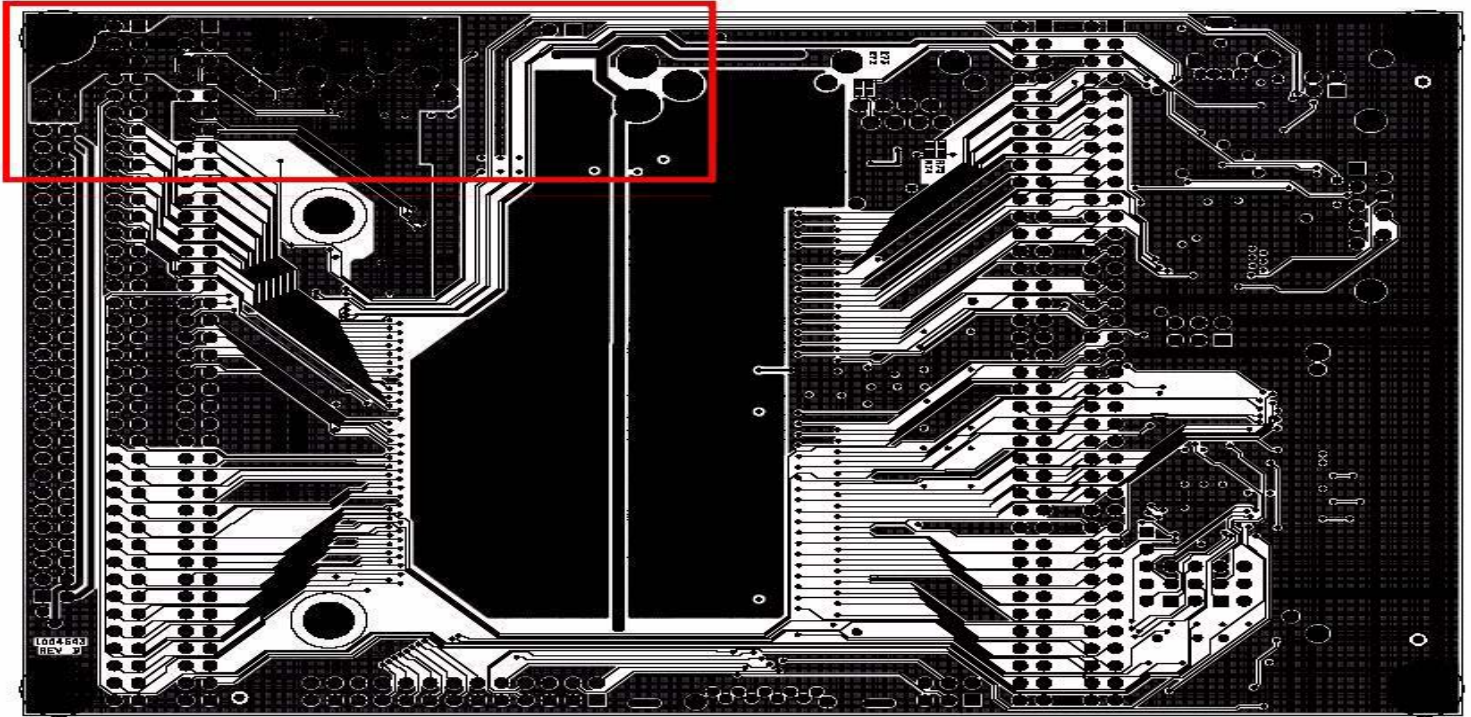


Figure 1.1: Backside of SDK Baseboard

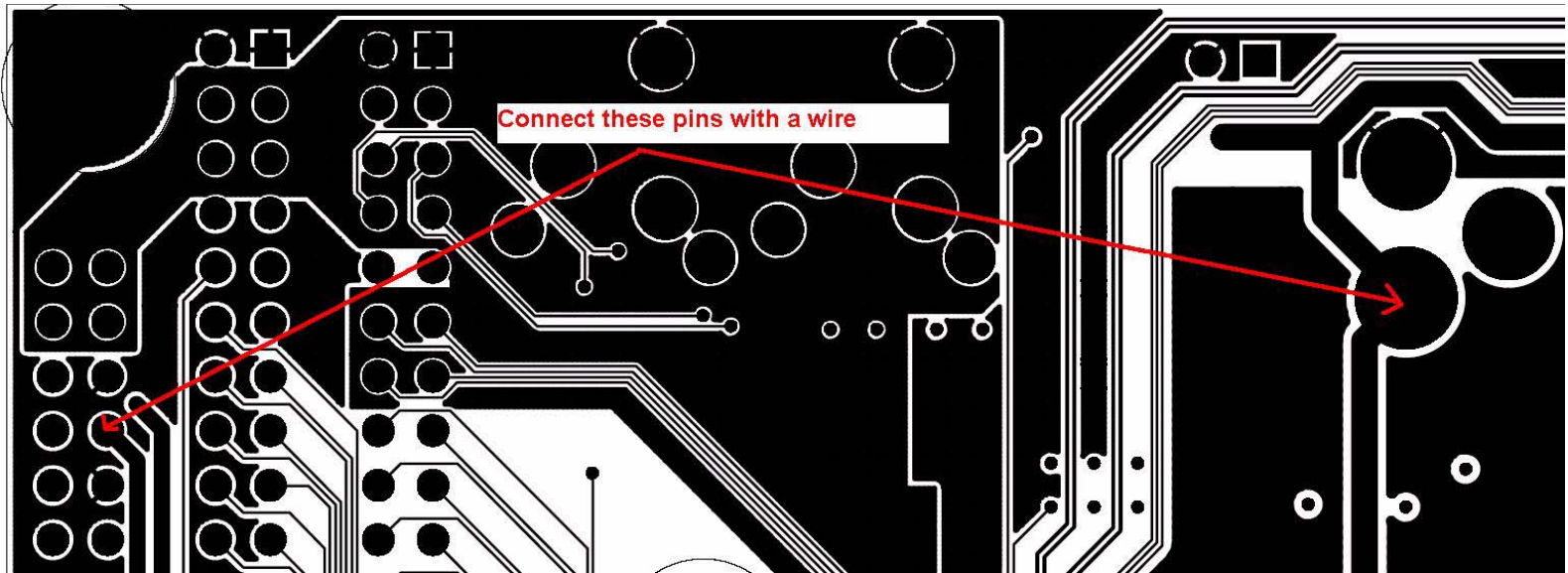


Figure 1.2: Enlarged View of Outlined Region in Figure 1.1

1.5 Solution

PCB Gerber data has been modified to prevent similar problems in the future.

1.6 Customer Notification

Freescale should forward this PCN to all customers or third-parties who have received an M5329EVB development kit with the affected assembly and subassembly part numbers called out in Section 1.1.