SPC584Cx, SPC58ECx IO definition: signal description and input multiplexing tables

Introduction

This document applies to SPC584Cx and SPC58ECx devices.

The SPC58xCx IO definition cut1 and cut2.0 are contained in a Microsoft® Excel workbook files attached to this document. Locate the paperclip symbol on the left side of the PDF window, and click it. Double-click on the Excel file to open it.

1 Overview

The IO definition is contained in a Microsoft Excel® workbook file attached to this document. Locate the paperclip symbol on the left side of the PDF window, and click it. Double-click on the Excel file to open it.

This file includes the following information:

- Package pinouts
- Pin descriptions
  - Power supply and reference voltage pins
  - System pins
  - LVDS pins
  - Functional pins and associated alternate functions

The table below lists all part numbers available in the SPC584Cx, SPC58ECx family:

Table 1. Device summary

Package	Part number					
	2 MB		3MB		4 MB	
	Single core	Dual core	Single core	Dual core	Single core	Dual core
eTQFP64	SPC584C70E1	SPC58EC70E1	SPC584C74E1	SPC58EC74E1	SPC584C80E1	SPC58EC80E1
eTQFP100	SPC584C70E3	SPC58EC70E3	SPC584C74E3	SPC58EC74E3	SPC584C80E3	SPC58EC80E3
eTQFP144	SPC584C70E5	SPC58EC70E5	SPC584C74E5	SPC58EC74E5	SPC584C80E5	SPC58EC80E5
eLQFP176	SPC584C70E7	SPC58EC70E7	SPC584C74E7	SPC58EC74E7	SPC584C80E7	SPC58EC80E7
FPBGA292	SPC584C70C3	SPC58EC70C3	SPC584C74C3	SPC58EC74C3	SPC584C80C3	SPC58EC80C3

Revision history

Table 2. **Document revision history**

Date	Version	Changes
20-Dec-2017	1	Initial release based on device pinout Microsoft Excel® file v1.3 (new naming). Changes compared to the pinout Microsoft Excel® file v6 attached to the device Datasheet Rev3: • Added information about pad characteristics • Updated Datasheet names for power supply segments • Removed label "Preliminary" from Title worksheet
13-Apr-2018	2	This release is based on the attached pinout Microsoft Excel® file v1.6. Changes compared to the pinout Microsoft Excel® file attached to Rev1 are the following: • Added alternate function table (replacing Pad table) • Ordered supplies in supply Pins worksheet • Removed non-existing balls from BGA unconnected ball list • Added some footnotes • Re-styling of package sheets with additional information • Corrected CAN enumeration format • Updated Supplies worksheet (removed supply rail column and direction columns) • Adjusted Ethernet function names
01-Apr-2020	3	This release is based on the attached pinout Microsoft Excel® file cut2.0. The following is intended only for cut2.0 version. Changes compared to the pinout Microsoft Excel® file attached to Rev 3 are the following: • EXTAL32, double-bond to PAD108 (pin25 of QFP64 pin35 on QFP100) • XTAL32, double-bond to PAD59 (pin26 of QFP64 pin36 on QFP100)

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