

SPC584Gx, SPC58EGx, SPC58NGx IO definition: signal description and input multiplexing tables

Overview

This document applies to SPC584Gx, SPC58EGx, SPC58NGx devices in accordance with [Table 1](#).

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 SPC584Gx, SPC58EGx, SPC58NGx family:

Table 1. Device summary

Package	Part number					
	4 MB			6 MB		
	Single core	Dual core	Triple core	Single core	Dual core	Triple core
eTQFP144	SPC584G80E5	SPC58EG80E5	SPC58NG80E5	SPC584G84E5	SPC58EG84E5	SPC58NG84E5
eLQFP176	SPC584G80E7	SPC58EG80E7	SPC58NG80E7	SPC584G84E7	SPC58EG84E7	SPC58NG84E7
FPBGA292	SPC584G80C3	SPC58EG80C3	SPC58NG80C3	SPC584G84C3	SPC58EG84C3	SPC58NG84C3

Revision history

Table 2. Document revision history

Date	Revision	Changes
02-Fev-2018	1	<p>Initial release based on device pinout Microsoft Excel® file v1.0 (new naming).</p> <p>Changes compared to the pinout Microsoft Excel® file v4 attached to the device Datasheet Rev3:</p> <ul style="list-style-type: none"> – Removed label "Preliminary" from Title worksheet – Updated sales code names – 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
13-Apr-2018	2	<p>This release is based on the attached pinout Microsoft Excel® file v1.2. Changes compared to the pinout Microsoft Excel® file attached to Rev1 are the following:</p> <ul style="list-style-type: none"> – Corrected CAN enumeration format – Updated Supplies worksheet (removed supply rail column and direction columns) – Adjusted Ethernet function names

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