

## GPIO Expansion via SMBus or BC-Link Bus

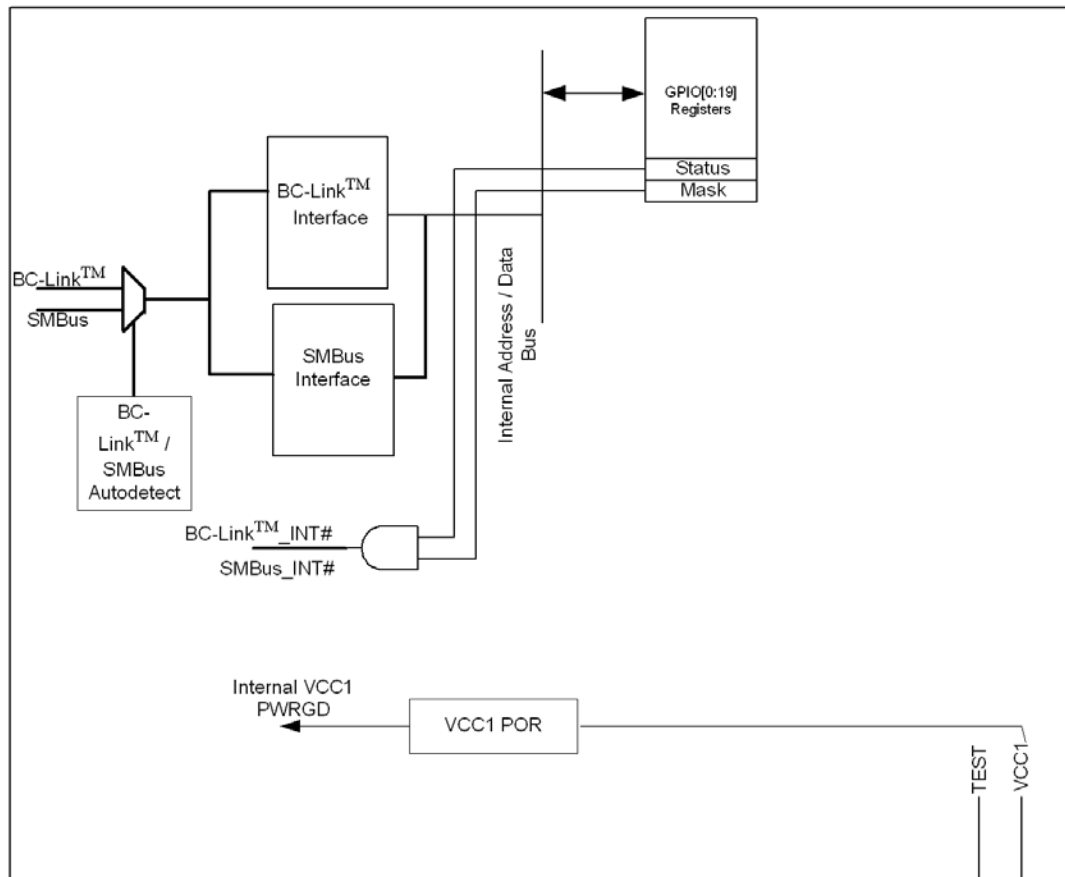
### General Description

The ECE1088 is a 28-Pin 3.3V GPIO Expansion device. The device is connected to a Master via the BC-Link™ interface or via the SMBus.

### Features

- 20 Multiplexed General Purpose I/O pins
  - All are MCU addressable I/O Pins
- BC-Link Interconnect Bus
  - Link to embedded controller
- SMBus Interconnect
  - One of two address selection
- 3.3V Operation
  - 28-Pin, QFN RoHS Compliant package
  - 0.5mm Pitch
  - 5x5mm Body size

### Block Diagram



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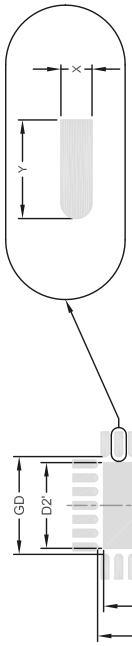
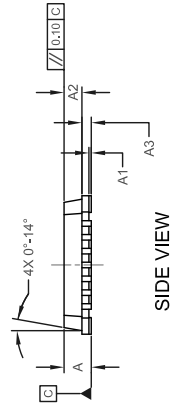
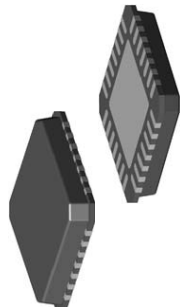
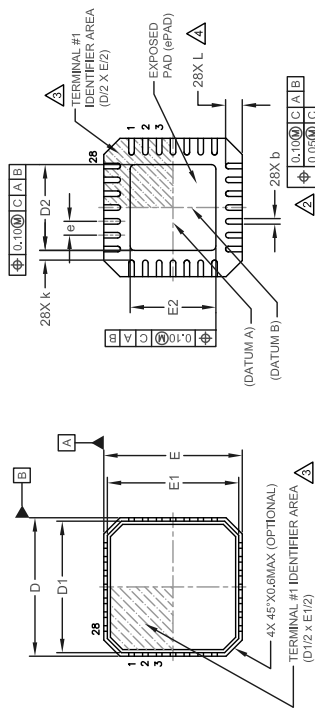
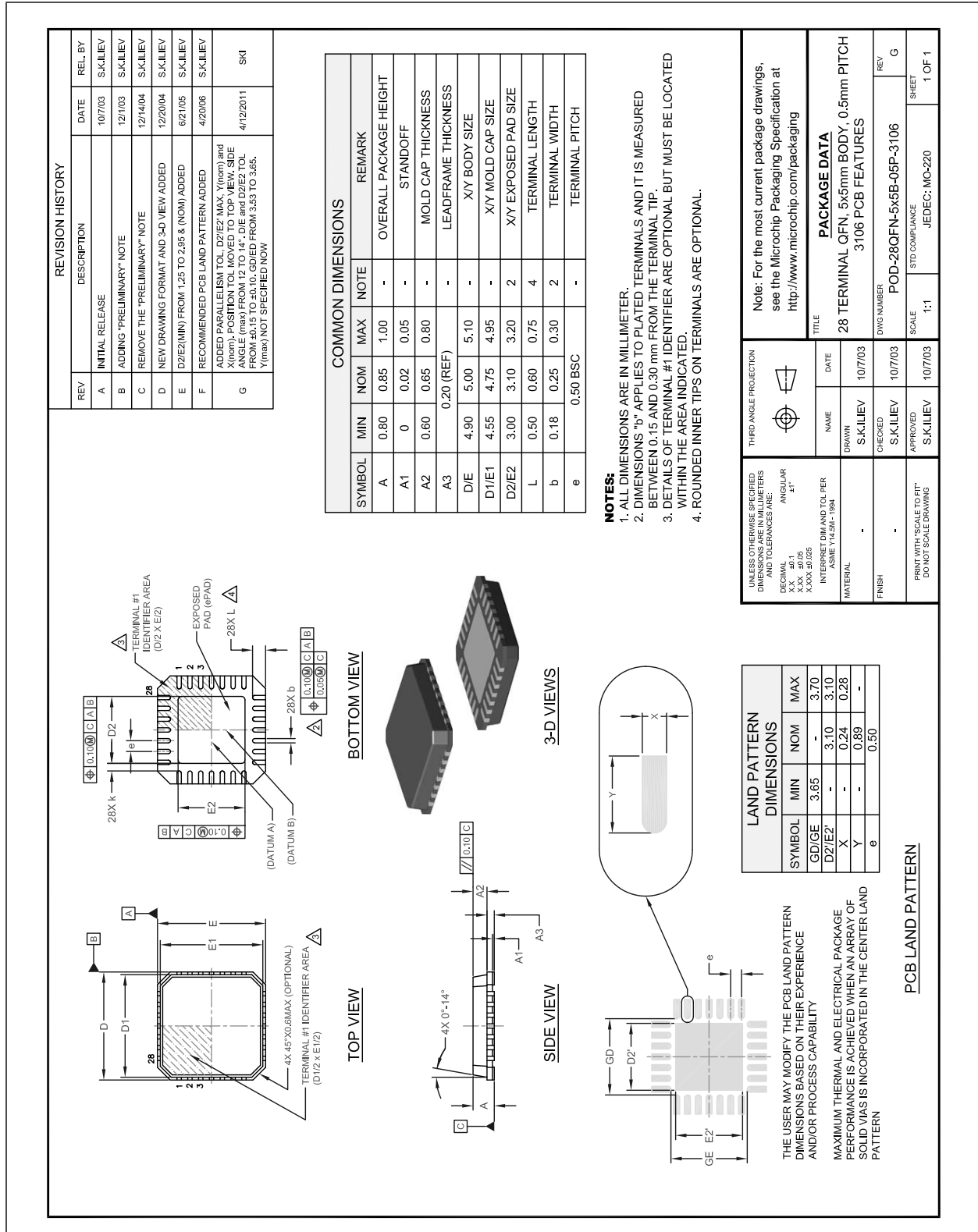
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## PACKAGE OUTLINE

FIGURE 1: PACKAGE OUTLINE: 28-PIN QFN, 5X5 MM BODY



LAND PATTERN DIMENSIONS			
SYMBOL	MIN	NOM	MAX
GD/GE	3.65	-	3.70
D2/E2	-	3.10	3.10
X	-	0.24	0.28
Y	-	0.89	-
e	0.50		

THE USER MAY MODIFY THE PCB LAND PATTERN DIMENSIONS BASED ON THEIR EXPERIENCE AND/OR PROCESS CAPABILITY

MAXIMUM THERMAL AND ELECTRICAL PACKAGE PERFORMANCE IS ACHIEVED WHEN AN ARRAY OF SOLID YMAS IS INCORPORATED IN THE CENTER LAND PATTERN

PCB LAND PATTERN

## APPENDIX A: PRODUCT BRIEF REVISION HISTORY

TABLE A-1: REVISION HISTORY

Revision	Section/Figure/Entry	Correction
DS00001727A (04-29-14)	REV A replaces previous SMSC version Rev. 1.6 (02-21-11)	

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# ECE1088

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<u>PART NO.</u> <sup>(1)</sup>	-	<u>XXX</u> <sup>(2)</sup>	-	<u>[X]</u> <sup>(3)</sup>
Device		Package		Tape and Reel Option
Device:		ECE1088 <sup>(1)</sup>		
Package:		DZK = 28 pin QFN <sup>(2)</sup>		
Tape and Reel Option:		Blank = Tray packaging TR = Tape and Reel <sup>(3)</sup>		

**Examples:**

a) ECE1088-DZK = 28-pin QFN

**Note 1:** These products meet the halogen maximum concentration values per IEC61249-2-21.

**Note 2:** All package options are RoHS compliant. For RoHS compliance and environmental information, please visit <http://www.microchip.com/pagehandler/en-us/aboutus/ehs.html>.

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