WÜRTH ELEKTRONIK

Product / Process Change Notification (PCN)

☐ Major change
☒ Minor change

PCN #:	PCN_WSEN-PADS_20201120	**Change Category:**
Affected Series:	WSEN-PADS; 2511020213301, WSEN-PADS; 25110202133011	☐ Equipment / Location ☒ General Data ☐ Material ☐ Process ☐ Product Design ☐ Shipping / Packaging ☐ Supplier ☐ Software
PCN Date:	October 20, 2020	
Effective Date:	November 20, 2020	

Contact:	Product Management	**Data Sheet Change:**
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DESCRIPTION AND PURPOSE OF CHANGE:

As an extension of product functionality, Würth Elektronik will officially release the usage of an already integrated feature - an additional communication interface SPI (Serial Peripheral Interface).

There will be no change in form, fit, function, quality or reliability of the product.

DETAIL OF CHANGE:

1. The parameter "Communication Interface" under table 'General Information' will be updated with the SPI interface. Updated information is marked with a red box before change and with a green box after change.

Before Change	After Change

General Information:

Operating Temperature	-40 up to +85 °C
Storage Conditions (in original packaging)	< 40 °C ; < 90 % RH
Communication interface	I²C
Moisture Sensitivity Level (MSL)	3
Electrostatic discharge protection (HBM)	2.5 kV

General Information:

Operating Temperature	-40 up to +85 °C
Storage Conditions (in original packaging)	< 40 °C ; < 90 % RH
Communication interface	I²C, SPI
Moisture Sensitivity Level (MSL)	3

2. The description of the product specific pinning is updated according to the functionality of the SPI communication interface. Updated information is marked with a red box before change and with a green box after change.

Before Change	After Change

Before Change

Product Specific Pinning:

Pin	Pad	Description	I/O
VDD_IO	1	Positive supply voltage for I/O pins	Supply
SCL	2	I²C serial clock	Input
RSVD	3	Reserved (connect to ground)	Input
SDA	4	I²C serial data	Input/Output
SAO	5	I²C device address selection	Input
CS	6	I²C enable/disable	Input
INT	7	Interrupt	Input/Output
GND	8	Negative supply voltage	Supply
GND	9	Negative supply voltage	Supply
VDD	10	Positive supply voltage	Supply

After Change

Product Specific Pinning:

Pin	Pad	Description	I/O
VDD_IO	1	Positive supply voltage for I/O pins	Supply
SCL	2	I²C/SPI serial clock	Input
RSVD	3	Reserved (connect to ground)	Input
SDA	4	I²C serial data; SPI serial data Input	Input/Output
SAO	5	I²C device address selection; SPI serial data output	Input/Output
CS	6	I²C enable/disable; SPI chip select pin	Input
INT	7	Interrupt	Input/Output
GND	8	Negative supply voltage	Supply
GND	9	Negative supply voltage	Supply
VDD	10	Positive supply voltage	Supply

RELIABILITY / QUALIFICATION SUMMARY:

Product approval is according to the specification and is internally released by the Product Management Department.