

Product Change Notice – PCN2503-1

Keyboard Division

Issue Date: 17-09-25

Product Change Notice #: PCN2503-1

Change Title: PSoC keyboard controller upgrade for RKCT92 keyboard range.

Change Type:

Assurance of supply – current PSoC keyboard controller scheduled for end of life and will be discontinued.

Parts affected:

NSI PART NUMBER	DESCRIPTION
RKCT92YXXXX-Z-MC1	IEC60945 certified rubber keyboard, 92 keys, IP65, with 25 mm laser trackball (Variant identification below table)
RKCT92YXXXXUSB-ZLED	Rubber keyboard, 92 keys, IP65, with 25 mm laser trackball, backlit (Variant identification below table)
RKCT92YXXXXUSB	Rubber keyboard, 92 keys, IP65, with 25 mm laser trackball, non-backlit (Variant identification below table)

Y: mounting method.

- Y = F panel mount keyboard
- Y = B panel mount keyboard with edge protection
- Y = S enclosed keyboard

XXXX: 4 digit code (0-9) indicating keyboard variants which differ in appearance, without changing the mechanical or electrical features or dimensions.

- 0XXX = standard keyboard with various country layouts, e.g.:
0001 = US qwerty layout
0032 = Belgian Azerty layout
- 1XXX-9XXX = other keyboard variants: custom front, carrier or firmware, custom colors.

Z: color code for the LED.

Z = W for white LEDs

Z = R for red LEDs

Z = G for green LEDs

Z = B for blue LEDs

Z = Y for yellow LEDs

Z = C for cyan LEDs

Z = M for magenta LEDs

Z = N for NO backlighting

MC1 = USB output protocol

Change Description:

The current PSoC keyboard controller will be replaced by an upgraded PSoC version of the same manufacturer.

Reason for Change:

The change has been made for assurance of supply – the current PSoC keyboard controller is scheduled for end of life and will be discontinued by the manufacturer.

Effect of Change on Form, Fit, Function, Quality, or Reliability:

Implementation of the PSoC keyboard controller will influence the keyboard specification with respect to form, fit and function;

- Function – See below
- Form – No change
- Fit – No change

Change to Function:

The redesigned PCB, including the upgraded PSoC keyboard controller adds the functionality to upload new firmware over USB. Other features of the new keyboard remain identical to its predecessor's.

Effective Date of Change:

All keyboards will be supplied with the new PSoC keyboard controller for deliveries starting from week 40 2025.

How Do I Track the Change?

The change can be tracked via the serial number indicated on the serial label which can be found adhered to all keyboards. The serial number has the following format: yyyy.12345.xxx
The middle part of the serial number is a 5-digit code identifying the production batch.
All production batch numbers higher than 41500 are produced with the upgraded PSoC keyboard controller.

The production batches in the table below are also produced with the upgraded PSoC keyboard controller.

38671	39522	41134	41193	41203	41312	41332
41364	41430	41461	41491	41498		

Qualification Data:

Appropriate quality and reliability testing has been performed on representative products to ensure performance is maintained in accordance with NSI quality and reliability standards. The redesigned PCB, including the upgraded PSoC keyboard controller and new firmware, has been assessed and complies with the IEC60945 maritime standard and the IACS E10 test specification for type approval.

For further information regarding qualification data please contact NSI or an appropriate sales representative.

Notification Response:

No response to this notification is required. Requests for additional data or support should be made within 30 days of notification. Please contact your NSI representative to obtain qualification samples.

DOCUMENT HISTORY

Version	Date	Author	Remarks
1	17/09/2025	AP	Document released