Product Advisory (PA)

Subject: Product Advisory for part number 82P33xxx
Publication Date: 7/15/2024
Effective Date: 7/15/2024

Revision Description:
Initial Revision.

Description of Change:
This notice is to inform our customers of an issue with locking/pull-in with DPLL2 when the input frequency is 2.048MHz (not divided). The workaround is to divide 2.048MHz down to 8kHz internally. This is a workaround for the issue, not a fix.

There is no change to the device.

Affected Product List:
Refer to Appendix B.

Reason for Change:
There is an issue with using 2.048MHz (not divided) at the input dividers for DPLL2 only. In this scenario, DPLL2 takes a long time to pull-in the phase and declare lock. The issue goes away when using 2.048MHz (divided down to 8kHz) at the input for DPLL2. The workaround allows DPLL2 to lock quickly.

Impact on Fit, Form, Function, Quality & Reliability:
No change to existing products. There is no impact on fit, form, function, quality, and reliability of the products.

Product Identification:
Not applicable. No change to existing products.

Qualification Status: Not applicable
Sample Availability Date: Not applicable
Device Material Declaration: Not applicable

Questions or requests pertaining to this change notice, including additional data or samples, must be sent to Renesas within 30 days of the publication date.

For additional information regarding this notice, please contact idt-pcn@lm.renesas.com

Appendix B- Affected Part Number

Orderable Part Number	Orderable Part Number	Orderable Part Number
82P33714ANLG	82P33810ABAG	82P33910BAG
82P33714ANLG8	82P33810ABAG/W	82P33910BAG/W
82P33731ABAG	82P33810ABAG8	82P33910BAG8
82P33731ABAG8	82P33813NLG	82P33914NLG
82P33741BAG	82P33813NLG8	82P33914NLG/W
82P33741BAG8	82P33814ANLG	82P33914NLG8
	82P33814ANLG/W	82P33913NLG
	82P33814ANLG8	82P33913NLG8
	82P33831ABAG	82P33931BAG
	82P33831ABAG/W	82P33931BAG/W
	82P33831ABAG8	82P33931BAG8