Product Change Notice (PCN)

Subject: Change Crystal from 50MHz to 61.44MHz on Package CLCC8
Publication Date: 7/2/2020
Effective Date: 10/2/2020

Revision Description:
Initial Release

Description of Change:
Renesas is converting 50MHz crystal to 61.44MHz crystal on package CLCC8.

	Existing Crystal	New Crystal
Frequency	50MHz	61.44MHz
Dimensions	1.5x0.9mm	1.6x1.3mm
Overdrive	142fs	147fs

Affected Product List: Refer Appendix B.

Reason for Change:
For increased yield and quality improvement.

Impact on Fit, Form, Function, Quality & Reliability:
The change will have no impact on the fit, function, reliability and environmental compliance of the products.

Product Identification:
Die Rev on label display “ZG” denote 61.44MHz crystal.

Qualification Status: Completed. Refer Appendix A
Sample Availability Date: Available on request
Device Material Declaration: Available upon request

Note:

1. Acknowledgement must be received by Renesas within 30 days or Renesas will consider the change as approved.

2. If timely acknowledgement is provided by Customer, then Customer shall have 90 days from the date of receipt of this PCN to make any objections to this PCN. If Customer fails to make objections to this PCN within 90 days of the receipt of the PCN then Renesas will consider the PCN changes as approved.

3. If customer cannot accept the PCN then customer must provide Renesas with a last time buy demand and purchase order.

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

Appendix A - Qualification Results

Affected Packages: CLCC8
Qual Vehicle: CLCC8
Qual Plan & Results:

Test Item	Test Condition	Qty	Criteria	Test Method	Test Result (Reject / SS)	
					Lot 1	Lot 2
Pre-Condition	I. Initial Electrical Test II. IR Reflow III. Gross Leak IV. Fine Leak v. Final Electrical Test	67	Per-Spec	J-STD-020 MIL-STD-883 Method 1014 MIL-STD-883 Method 1014	0/67	0/67
Thermal Shock	-55°c ~ 125°c, dwell time : 15 min, transfer time : 10 sec, 500 cycles	45	FR ± 10ppm	JESD22-A 104	0/45	0/45
Sine Vibration	20G,10-2000Hz,1.52mm, Sweep 20 min , 4 hrs each axis	22	FR ± 5ppm	MIL-STD-883 Method 2007	0/22	0/22
Mechanical Shock	1500G , 0.5ms,5 pulse for 6 directions.	22	FR ± 5ppm	MIL-STD-883 Method 2002	0/22	0/22

Appendix B – Affected Product List

XFL235156.250000K	XPL316100.000000I	XPL336156.250000I	XPN336312.500000I
XFL235312.500000K	XPL316133.333333I	XPL336160.000000I	XPP316156.250000I
XPC315156.250000K	XPL316156.000000I	XPL336184.320000I	XPP325156.250000K
XPC315808.123456K	XPL316322.265625I	XPL336200.000000I	XPP326156.250000I
XPC316156.250000I	XPL316400.000000I	XPL336212.500000I	XPP335026.000000K
XPC316800.000000I	XPL325156.250000K	XPL336312.500000I	XPP335049.152000K
XPC316999.990000I	XPL325500.000000K	XPL336333.330000I	XPP335054.000000K
XPC335025.000000K	XPL326156.250000I	XPL336644.531250I	XPP335156.250000K
XPC335050.000000K	XPL326161.132800I	XPL336830.000000I	XPP336040.000000I
XPC336156.250000I	XPL326200.000000I	XPL336830.078125I	XPP336050.000000I
XPC336212.500000I	XPL326500.000000I	XPL33C912.000000I	XPP336100.000000I
XPC336312.500000I	XPL32C480.000000I	XPN315100.000000K	XPP336156.250000I
XPC336625.000000I	XPL32C912.000000I	XPN316100.000000I	XPP336156.250000K
XPL315027.000000K	XPL335025.000000K	XPN316161.132812I	XPP336156.253906I
XPL315100.000000K	XPL335050.000000K	XPN326156.250000I	XPP336207.500000I
XPL315125.000000K	XPL336016.000000I	XPN326156.250000K	XPP336250.000000I
XPL315156.250000K	XPL336040.000000I	XPN326312.500000I	XPP336312.500000I
XPL316026.000000I	XPL336049.152000I	XPN336025.000000I	XPP336830.000000I
XPL316032.000000I	XPL336070.656000I	XPN336078.125000I	XPP336A00.000000I
XPL316033.333333I	XPL336100.000000I	XPN336100.000000I	XPP33CA00.000000I
XPL316050.000000I	XPL336125.000000I	XPN336156.250000I	XPROOTJSWI
XPL316080.000000I	XPL336148.500000I	XPN336156.253906I	XPROOTJSWK