



GRENCHE, October 2 2018

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TO : Our valid customers

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ATTN : Purchasing

FROM : Markus Hintermann

SUBJECT: Change to package with Side castellations

PCN # 35_2018

Customer: all customers

Part number: RV-1805-C3

Date: Oct. 2. 2018

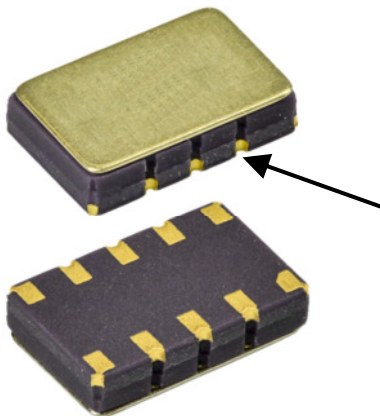
Reason of Change:

Enhanced package outline to enable optical post soldering inspection.

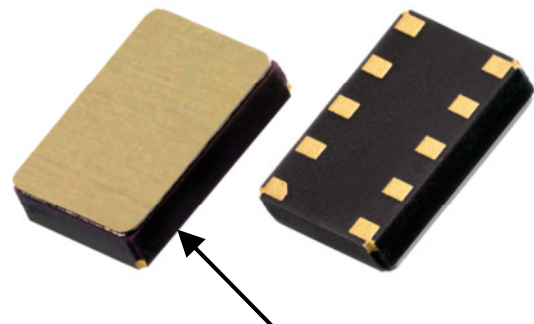
Description for Change:

The contacts are enhanced in such a way to be present also on the vertical side-castellations of the package. During soldering small meniscus are formed automatically. These will be visible and will allow optical soldering inspection

New package:



Old Package:

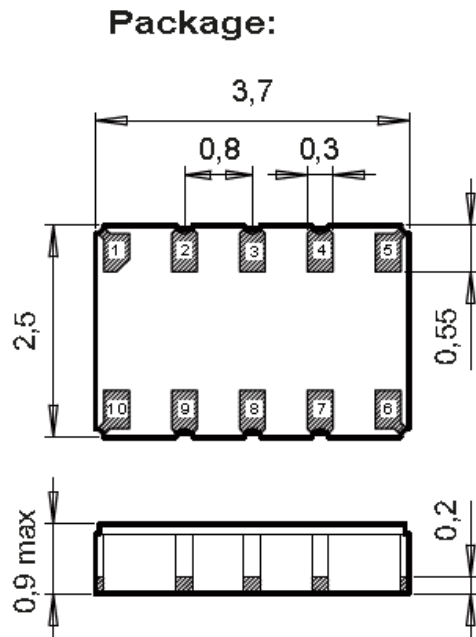


Fit, Form , Function as well as electrical parameters and software functionality are identical. There is principally no need for requalification. Special attention: The Reset output function is now fully meeting specification.

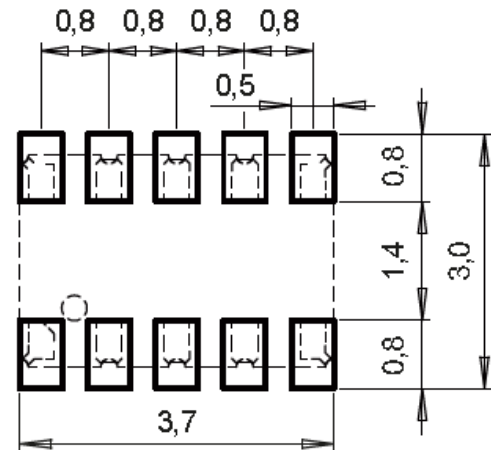


Package Drawing:

Mechanical outer dimensions of RV-1805-C3 are kept the same. However the contacts are enhanced to be present also on the vertical sides of the package. The dimensions of the recommended solder pad layout did not change.



Recommended Solder Pad:



All dimensions in mm typical

Gap Qualification Procedure:

The tests were performed according AEC-Q200 rev C Qualification:

List of the repeated tests are:

Test #	Symbol	Test Method	Additional Requirement	Lot #	QTY Tested	Failed
AECQ200-10	Physical dimension	JESD Method JB 100	Verify the dimensions	3	33	0
AECQ200-18	Solderability	J-STD-002	Methode D, cat 3 @ 260°C	3	45	0
AECQ200-21	Board Flex	AEC-Q200-005	2mm (min) bend for 60 sec	3	90	0
AECQ200-22	Terminal strenght	AEC-Q200-006	17.7 N force for 60 sec	3	33	0

Change Classification:

Major: ☐

Minor: ☒

Major – A change that may result in an impact to the form, fit, function, or reliability of the end product

Minor – A change that does not result in an impact to the form, fit, function, or reliability of the end product



Micro Crystal AG
Muehlestrasse 14
CH-2540 Grenchen
Switzerland

Form

Supplier PCN Requirement
Process Change Notification

Dat/Creator 12.5.14 / HJS

Nr. FO-2003-e-B

Doc. VA-2000

Planned Implementation Date: October 2018

Planned Shipment Date: November 2018

Production Facility (-ies): Switzerland or Thailand

Part Designation:

Old part designation.: RV-1805-C3 Part number: 202821-MG01

New part designation.: RV-1805-C3 Part number: 203663-MG01

Best regards

Micro Crystal AG
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