

## Product Change Notice (PCN)

**Subject:** Mold compound change for TO-92 package Triac and Thyristor

**Publication Date:** 12/12/2023

**Effective Date:** 4/1/2024

**Revision Description:**

Initial release

**Description of Change:**

Mold compound for TO-92 package Triac and Thyristor will be changed to a new qualified material. Renesas reserves the right to ship either version manufactured after the process change effective date until the inventory on the earlier version has been depleted.

Details of Change

Items		Current	New
Mold compound		Halogen-free epoxy resin	Halogen-free epoxy resin
	Vendor	Company A	Company B
	Flammability	No change (UL94 V-0)	
Prod.	Wafer fab	No change (Renesas Semiconductor Manufacturing Co., Ltd. (Japan))	
Site	Assy & Test	No change (ATX Semiconductor (Weihai) Co., Ltd. (China))	
	Die	No change	
Ratings & Characteristics		No change	
	Reliability	No change	
	Soldering heat	No change	
	Marking	No change	

**Affected Product:**

TO-92 package Triac and Thyristor (See Appendix 1 for affected part numbers)

**Reason for Change:**

End of Life of the molding compound manufactured by Company A.

**Impact on Fit, Form, Function, Quality & Reliability:**

No impact on Fit, Form, Function, Quality & Reliability

**Product Identification:**

Renesas can check production history data from the trace code on the product or label. Please contact your Renesas sales representative.

**Qualification Status:** Please check the Product Reliability Report on the Renesas official website.

**Sample Availability Date:** Samples are not available. Please contact your local field sales representative.

**Device Material Declaration:** Please contact your local field sales representative.

- 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 your Renesas sales representative.**

## Appendix 1.

Affected part number list

### 1) Triac

Catalogue P/N	Ordering P/N
BCR08AM-12A	BCR08AM-12A#BDO BCR08AM-12A-A6#BDO BCR08AM-12A-TB#BDO BCR08AM-12A1TB#BDO
BCR08AM-14A	BCR08AM-14A#BDO BCR08AM-14A#CD5 BCR08AM-14A-A6#BDO BCR08AM-14A-A6#CD3 BCR08AM-14A-A6#CD4 BCR08AM-14A-TB#BDO
BCR1AM-8P	BCR1AM-8P#BDO BCR1AM-8P-1#BDO BCR1AM-8P-1A6#BDO BCR1AM-8P-1A8#BDO BCR1AM-8P-1TB#BDO BCR1AM-8P-A6#BDO BCR1AM-8P-TB#BDO
BCR1AM-12A	BCR1AM-12A#BDO BCR1AM-12A#CD3 BCR1AM-12A-A6#BDO BCR1AM-12A-A6#CD3 BCR1AM-12A-A6#CD4 BCR1AM-12A-A8#BDO BCR1AM-12A-A8#CD2 BCR1AM-12A-A8#CD3 BCR1AM-12A-TB#BDO BCR1AM-12A-TB#CD3
BCR1AM-14A	BCR1AM-14A#BDO BCR1AM-14A-1#BDO BCR1AM-14A-1A6#BDO BCR1AM-14A-1TB#BDO BCR1AM-14A-A6#BDO BCR1AM-14A-TB#BDO
BCR3AM-12B	BCR3AM-12B#BDO BCR3AM-12B-A6#BDO
BCR3AM-14B	BCR3AM-14B#BDO BCR3AM-14B-A6#BDO

### 2) Thyristor

Catalogue P/N	Ordering P/N
CRO2AM-8	CRO2AM-8#BDO CRO2AM-8-A#BDO CRO2AM-8-A#CD1 CRO2AM-8-A6#BDO CRO2AM-8-ATB#BDO CRO2AM-8-B#BDO CRO2AM-8-BA6#BDO CRO2AM-8-BTB#BDO CRO2AM-8-BTB#PD1 CRO2AM-8-C#BDO CRO2AM-8-CTB#BDO CRO2AM-8-D#BDO CRO2AM-8-DTB#BDO CRO2AM-8-E#BDO CRO2AM-8-EA6#BDO CRO2AM-8-ETB#BDO CRO2AM-8-TB#BDO CRO2AM-8-TB#CD2 CRO2AM-8-TB#PD2 CRO2AM-8-TB#PD3
CRO3AM-16A	CRO3AM-16A#BDO CRO3AM-16A#CD3 CRO3AM-16A#CD5 CRO3AM-16A#CD6 CRO3AM-16A#CD9 CRO3AM-16A-A#BDO CRO3AM-16A-A6#BDO CRO3AM-16A-ATB#BDO CRO3AM-16A-B#BDO CRO3AM-16A-BTB#BDO CRO3AM-16A-D#BDO CRO3AM-16A-DTB#BDO CRO3AM-16A-E#BDO CRO3AM-16A-ETB#BDO CRO3AM-16A-TB#BDO CRO3AM-16A-TB#CD4 CRO3AM-16A-TB#CD6 CRO3AM-16A-TB#CD7 CRO3AM-16A-TB#CD8

Catalogue P/N	Ordering P/N
CR04AM-12A	CR04AM-12A#BDO CR04AM-12A-A#BDO CR04AM-12A-A6#BDO CR04AM-12A-ATB#BDO CR04AM-12A-B#BDO CR04AM-12A-BA6#BDO CR04AM-12A-BTB#BDO CR04AM-12A-D#BDO CR04AM-12A-DTB#BDO CR04AM-12A-E#BDO CR04AM-12A-ETB#BDO CR04AM-12A-TB#BDO
CR05AM-16A	CR05AM-16A#BDO CR05AM-16A-BTB#BDO CR05AM-16A-DTB#BDO CR05AM-16A-TB#CD3
CR05BM-12A	CR05BM-12A#BDO CR05BM-12A-A6#BDO CR05BM-12A-D#BDO CR05BM-12A-DTB#BDO CR05BM-12A-E#BDO CR05BM-12A-ETB#BDO CR05BM-12A-TB#BDO