

Product Change Notice (PCN)

Subject: 8P34S2102, 8P34S2104, 8P34S2108 Die Revision

Publication Date: 5/3/2022

Effective Date: 8/3/2022

Revision Description:

Initial Revision

Description of Change:

This notice is to advise our customers of a minor die revision to the affected product list to enhance output amplitude select pin (SELAx pin) functionality as shown below.

From:

Output amplitude select pin is 2 level input between 300mV amplitude and 500mV amplitude (default).

To:

Output amplitude select pin is 3 level input between 300mV amplitude, 500mV amplitude (default) or power down.

Affected Product List:

Orderable Part Number	Orderable Part Number	Orderable Part Number
8P34S2102NLGI	8P34S2104NBGI	8P34S2108NLGI
8P34S2102NLGI/W	8P34S2104NBGI/W	8P34S2108NLGI/W
8P34S2102NLGI8	8P34S2104NBGI8	8P34S2108NLGI8

Reason for Change:

To allow customers to power down outputs on the boards by toggling output amplitude select pin (SELAx pin).

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

There is no change to the form, fit, function, quality and reliability of the device except for the change described in the description of change section.

Product Identification:

Date Code

Qualification Status: Refer to Appendix A

Sample Availability Date: 5/3/2022

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

1. Affected Products: 8P34S2102NLGI and 8P34S2104NBGI

Product : 8P34S2104NBGI			
Fab Base:	AV542M	Process Technology:	AMS0.35, 4P3M
Package Types:	VFQFPN 28	Fab Location:	AMS AG, Austria
Products Covered:	8P34S2102NLGI, 8P34S2104NBGI	Assembly Location:	8P34S2102NLGI - UTAC, THAILAND 8P34S2104NBGI - Greatek-Taiwan

Test Description	Conditions	Sample Size	Results (rej/SS)	Comments
ESD: Human Body Model	JESD22-A114 (JS-001) Classification	3	0/3	Class 2 (2500V)
ESD: Charged Device Model	JESD22-C101 Classification	3	0/3	Class C3 (1000V)
Latch-Up	JESD78	6	0/6	T _A at 85°C
Electrical Characterization	Datasheet	10	Results reported in Datasheet	Complete

2. Affected Product: 8P34S2108NLGI

Product : 8P34S2108NLGI			
Fab Base:	AP674C	Process Technology:	0.18SiGe BiCMOS, 1P6M
Package Types:	VFQFPN 48	Fab Location:	Global Foundries, Singapore
		Assembly Location:	ASE Chungli-Taiwan

Test Description	Conditions	Sample Size	Results (rej/SS)	Comments
ESD: Human Body Model	JESD22-A114 (JS-001) Classification	3	0/3	Class 2 (2500V)
ESD: Charged Device Model	JESD22-C101 Classification	3	0/3	Class C3 (1000V)
Latch-Up	JESD78	6	0/6	T _A at 85°C
Electrical Characterization	Datasheet	10	Results reported in Datasheet	Complete