

# Renesas RA2A1

## IBIS Model Release Note

Rev.1.00  
Sep. 14, 2022

### 1. Version: Rev.1.00

### 2. IBIS file

File name	Conditions		
	TYP	MIN	MAX
ra2a1_vcc50_rev100.ibs	VCC = 5.0 V	VCC = 4.5 V	VCC = 5.5 V
	Tj = 25 °C	Tj = 125 °C	Tj = -40 °C
ra2a1_vcc30_rev100.ibs	VCC = 3.0 V	VCC = 2.7 V	VCC = 3.3 V
	Tj = 25 °C	Tj = 125 °C	Tj = -40 °C
ra2a1_vcc20_rev100.ibs	VCC = 2.0 V	VCC = 1.8 V	VCC = 2.2 V
	Tj = 25 °C	Tj = 125 °C	Tj = -40 °C

### 3. Target device

All products in the RA2A1 are included. Select one of the components in the IBIS file indicated in the following table for each package.

Component name	Corresponding package
LQFP64	64-pin LQFP package
QFN48	48-pin QFN package
QFN40	40-pin QFN package
BGA36	36-pin BGA package
LQFP32	32-pin LQFP package

### 4. Notes

These IBIS models do not guarantee the product's operation.

**Revision History**

Rev.	Date	Description	
		Page	Summary
1.00	Sep 14, 2022	-	First release document