

RENESAS TECHNICAL UPDATE

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Renesas Electronics Corporation

Product Category	MPU/MCU		Document No.	TN-SY*-A0083B/E	Rev.	2.00
Title	Addition of new package code for LQFP 176 pins		Information Category	Technical Notification		
Applicable Product	S5D9 Microcontroller Group	Lot No.	Reference Document	S5D9 Microcontroller Group User's Manual Rev 1.40		
		All				

The following new package code (PLQP0176KJ-A) for LQFP 176 pins is added.

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Table 1.15 Product list

Product part number	Package code	Code flash	Data flash	SRAM	Operating temperature
R7FS5D97E2A01CBG	PLBG0176GE-A	2MB	64KB	640KB	-40 to +85°C
R7FS5D97E3A01CBG	PLBG0176GE-A				-40 to +105°C
R7FS5D97E3A01CFC	PLQP0176KB-A				-40 to +105°C
R7FS5D97E2A01CLK	PTLG0145KA-A				-40 to +85°C
R7FS5D97E3A01CLK	PTLG0145KA-A				-40 to +105°C
R7FS5D97E3A01CFB	PLQP0144KA-B				-40 to +105°C
R7FS5D97E3A01CFP	PLQP0100KB-B				-40 to +105°C
R7FS5D97C2A01CBG	PLBG0176GE-A	1MB	64KB	640KB	-40 to +85°C
R7FS5D97C3A01CBG	PLBG0176GE-A				-40 to +105°C
R7FS5D97C3A01CFC	PLQP0176KB-A				-40 to +105°C
R7FS5D97C2A01CLK	PTLG0145KA-A				-40 to +85°C
R7FS5D97C3A01CLK	PTLG0145KA-A				-40 to +105°C
R7FS5D97C3A01CFB	PLQP0144KA-B				-40 to +105°C
R7FS5D97C3A01CFP	PLQP0100KB-B				-40 to +105°C

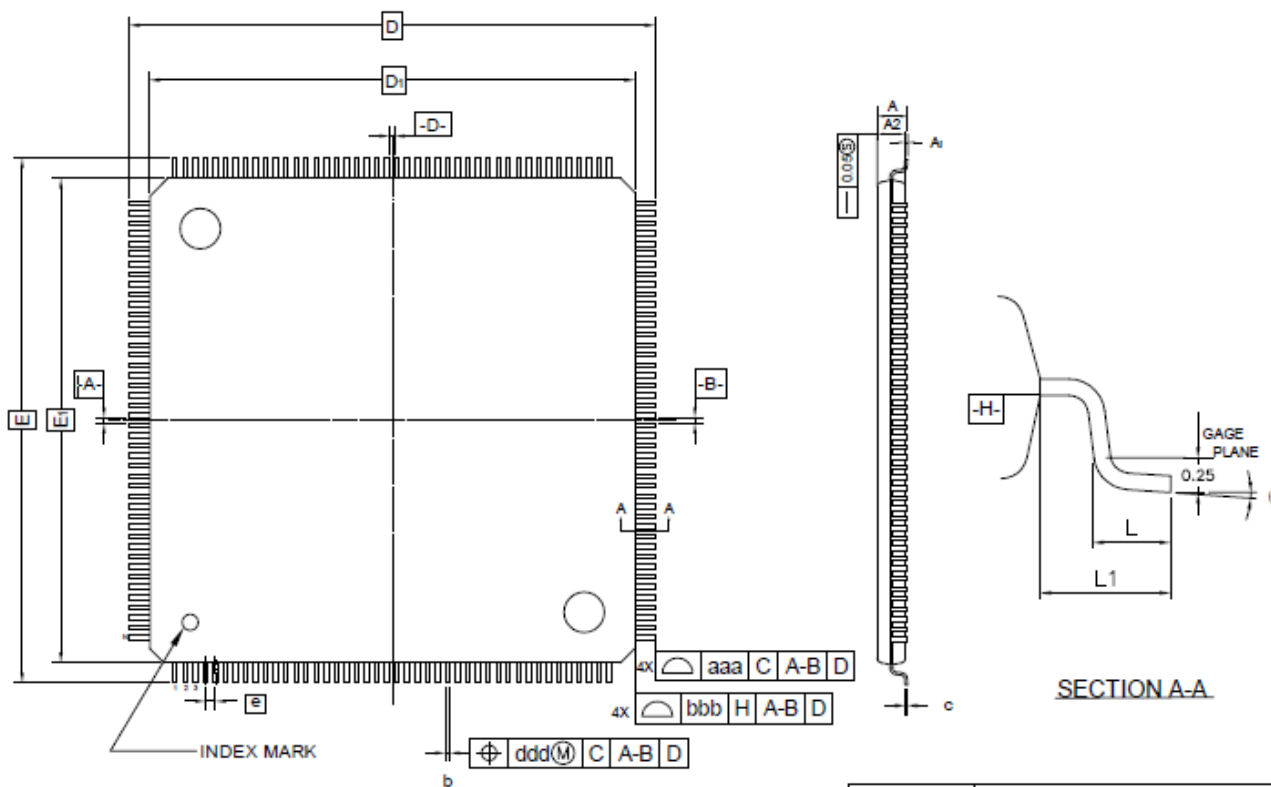
< Changed description >

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R7FS5D97E3A01CFC	PLQP0176KB-A				-40 to +105°C
	PLQP0176KJ-A				
R7FS5D97E2A01CLK	PTLG0145KA-A				-40 to +85°C
R7FS5D97E3A01CLK	PTLG0145KA-A				-40 to +105°C
R7FS5D97E3A01CFB	PLQP0144KA-B				-40 to +105°C
R7FS5D97E3A01CFP	PLQP0100KB-B	-40 to +105°C			
R7FS5D97C2A01CBG	PLBG0176GE-A	1MB	64KB	640KB	-40 to +85°C
R7FS5D97C3A01CBG	PLBG0176GE-A				-40 to +105°C
R7FS5D97C3A01CFC	PLQP0176KB-A				-40 to +105°C
	PLQP0176KJ-A				
R7FS5D97C2A01CLK	PTLG0145KA-A				-40 to +85°C
R7FS5D97C3A01CLK	PTLG0145KA-A				-40 to +105°C
R7FS5D97C3A01CFB	PLQP0144KA-B				-40 to +105°C
R7FS5D97C3A01CFP	PLQP0100KB-B	-40 to +105°C			

Appendix

JEITA Package code	RENESAS code	MASS(TYP.)[g]
P-LFQFP176-24x24-0.50	PLQP0176KJ-A	1.90



Reference Symbol	Dimension in Millimeters		
	Min.	Nom.	Max.
A	—	—	1.60
A ₁	0.05	—	0.15
A ₂	1.35	1.40	1.45
D	26.00 BSC.		
D ₁	24.00 BSC.		
E	26.00 BSC.		
E ₁	24.00 BSC.		
N	—	176	—
e	0.50 BSC.		
b	0.17	0.22	0.27
c	0.09	—	0.20
e	0°	3.5°	7°
L	0.45	0.60	0.75
L ₁	1.00 REF.		
aaa	—	—	0.20
bbb	—	—	0.20
ccc	—	—	0.08
ddd	—	—	0.08