

RENESAS TECHNICAL UPDATE

TOYOSU FORESIA, 3-2-24, Toyosu, Koto-ku, Tokyo 135-0061, Japan
Renesas Electronics Corporation

Product Category	MPU/MCU		Document No.	TN-SH7-A908A/E	Rev.	1.00
Title	SH7710,SH7712,SH7713 New QFP Package Product		Information Category	Change of packages		
Applicable Product	SH7710,SH7712,SH7713 Group	Lot No.	Reference Document	SH7710,SH7712,SH7713 Group User's Manual: Hardware (R01UH0338EJ0300)		
		All lots				

The SH7710,SH7712 and SH7713 group will be added a new package line up.

The product name and the package code of new package, corresponding to the current package, is on table 1 , and new package dimensions are in figure 1 on next page.

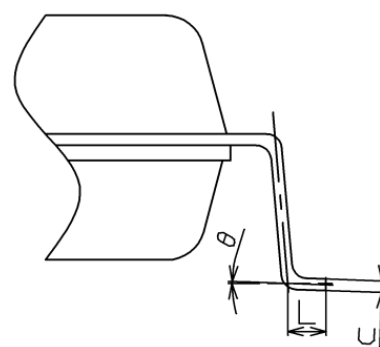
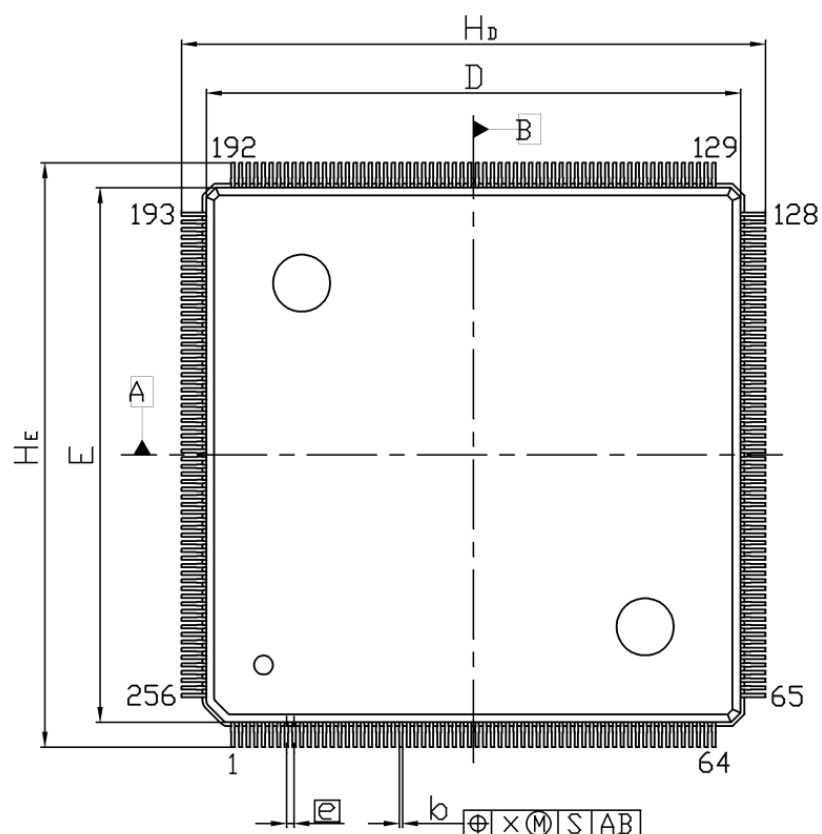
No.	Product Name		Package Code	
	Before	After	Before	After
1	HD6417710FV	HD6417710XV	PRQP0256LA-B	PRQP0256LC-A
2	HD6417712FV	HD6417712XV	PRQP0256LA-B	PRQP0256LC-A
3	HD6417713FV	HD6417713XV	PRQP0256LA-B	PRQP0256LC-A

Table 1 Product name and package code

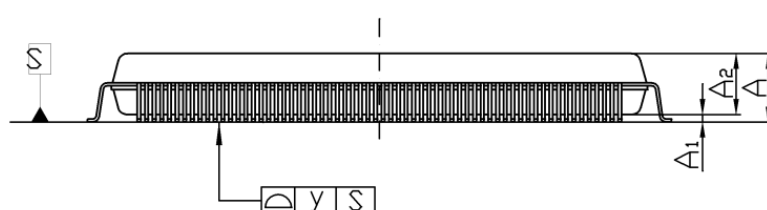
1. New package feature

- 1) Pin arrangement and pin functions are kept unchanged.
- 2) Package dimensions are on next page.
- 3) Electrical characteristics and operating temperature are kept unchanged.

JEITA Package Code	RENESAS Code	MASS [Typ.]
P-QFP256-28 × 28-0.40	PRQP0256LC-A	6.0 g



Detail of Lead End



Reference Symbol	Dimension in Millimeters		
	Min.	Nom.	Max.
D		28.0	
E		28.0	
HD	30.4	30.6	30.8
HE	30.4	30.6	30.8
A			3.95
A1	0.25	0.40	0.50
A2		3.20	
b	0.13	0.18	0.23
c	0.12	0.17	0.22
L	0.30	0.50	0.70
θ		0°	8°
e		0.40	
x			0.11
y			008

Figure 1 Package dimensions