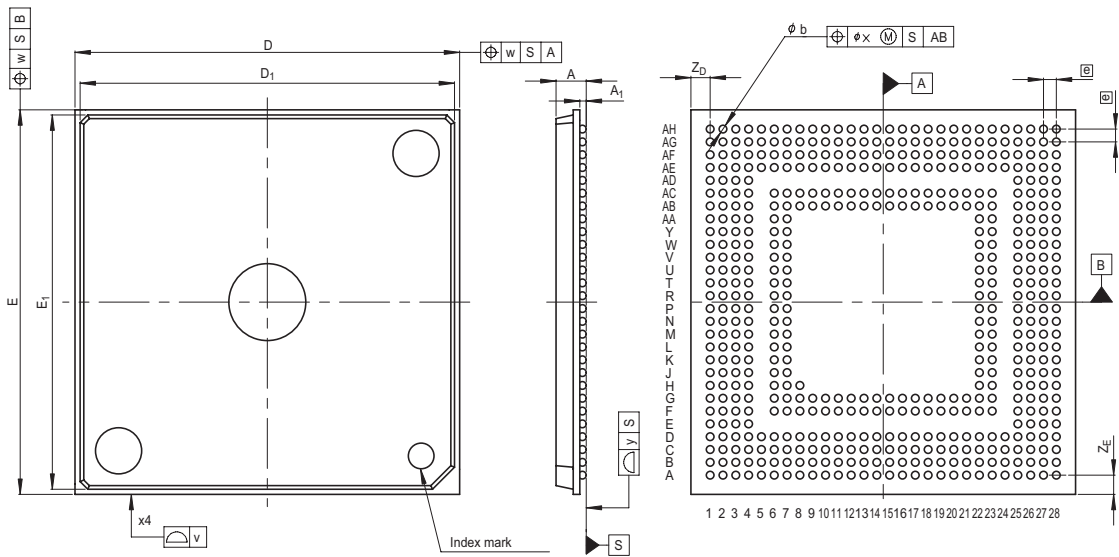


JEITA Package Code  
P-LFBGA513-15x15-0.50

RENESAS Code  
PLBG0513KA-A

Previous Code  
513F7R

MASS[Typ.]  
0.4g



Reference Symbol	Dimension in Millimeters		
	Min	Nom	Max
D	—	15.0	—
E	—	15.0	—
v	—	—	0.20
w	—	—	0.20
A	—	—	1.3
A <sub>1</sub>	0.2	0.25	0.3
Ⓟ	—	0.5	—
b	0.25	0.3	0.35
x	—	—	0.08
y	—	—	0.10
Z <sub>D</sub>	—	0.75	—
Z <sub>E</sub>	—	0.75	—
D <sub>1</sub>	—	14.6	—
E <sub>1</sub>	—	14.6	—