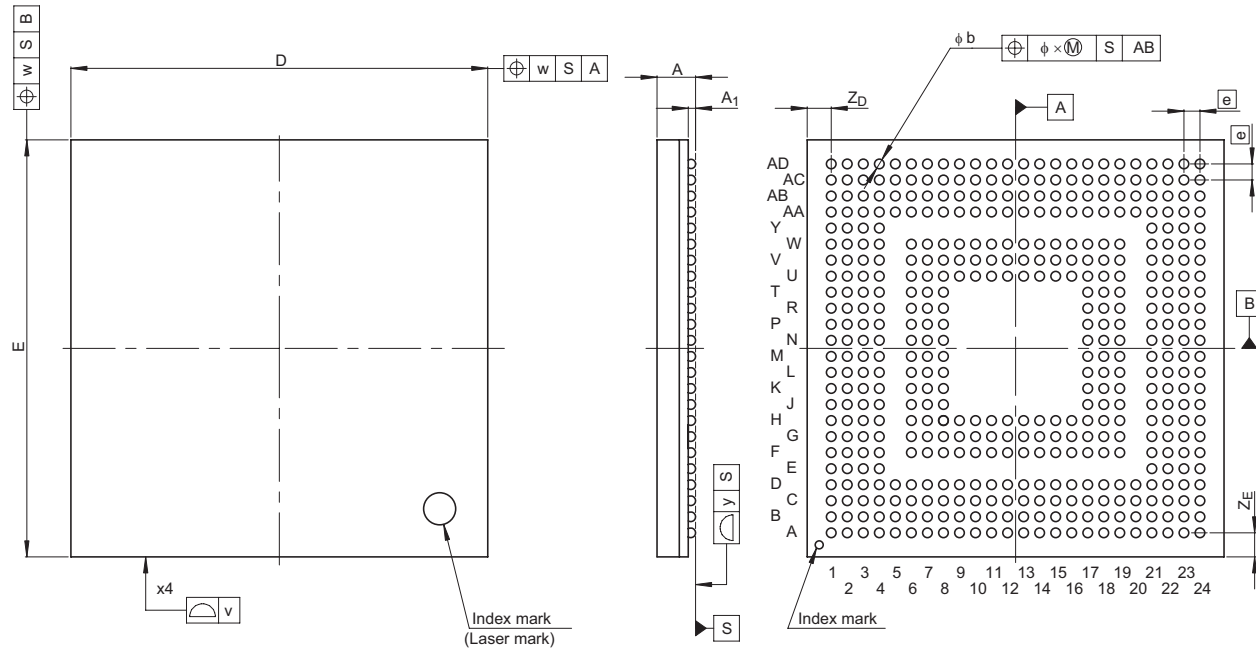


JEITA Package Code	RENESAS Code	Previous Code	MASS[Typ.]
P-LFBGA452-13x13-0.50	PLBG0452KA-A	452FHE-A	0.4g



Reference Symbol	Dimension in Millimeters		
	Min	Nom	Max
D	—	13.0	—
E	—	13.0	—
v	—	—	0.15
w	—	—	0.20
A	—	—	1.3
A ₁	0.18	0.23	0.28
e	—	0.5	—
b	0.25	0.3	0.35
x	—	—	0.08
y	—	—	0.10
Z _D	—	0.75	—
Z _E	—	0.75	—