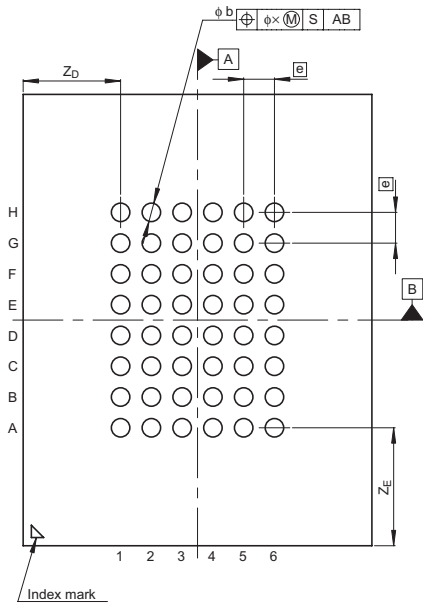
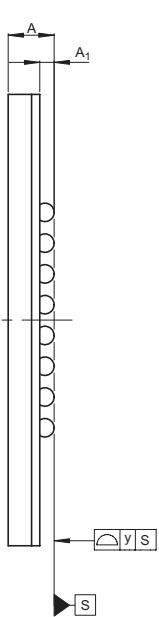
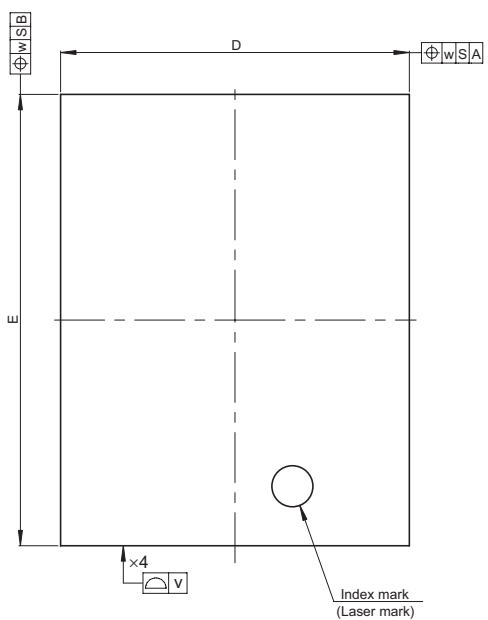


JEITA Package Code	RENESAS Code	Previous Code	MASS[Typ.]
P-TFBGA48-8.5x11-0.75	PTBG0048HG-A	48FHK	0.2g



Reference Symbol	Dimension in Millimeters		
	Min	Nom	Max
D	—	8.5	—
E	—	11.0	—
v	—	—	0.15
w	—	—	0.2
A	—	—	1.2
A ₁	0.3	0.35	0.4
e	—	0.75	—
b	0.4	0.45	0.5
x	—	—	0.08
y	—	—	0.1
Z _D	—	2.375	—
Z _E	—	2.875	—