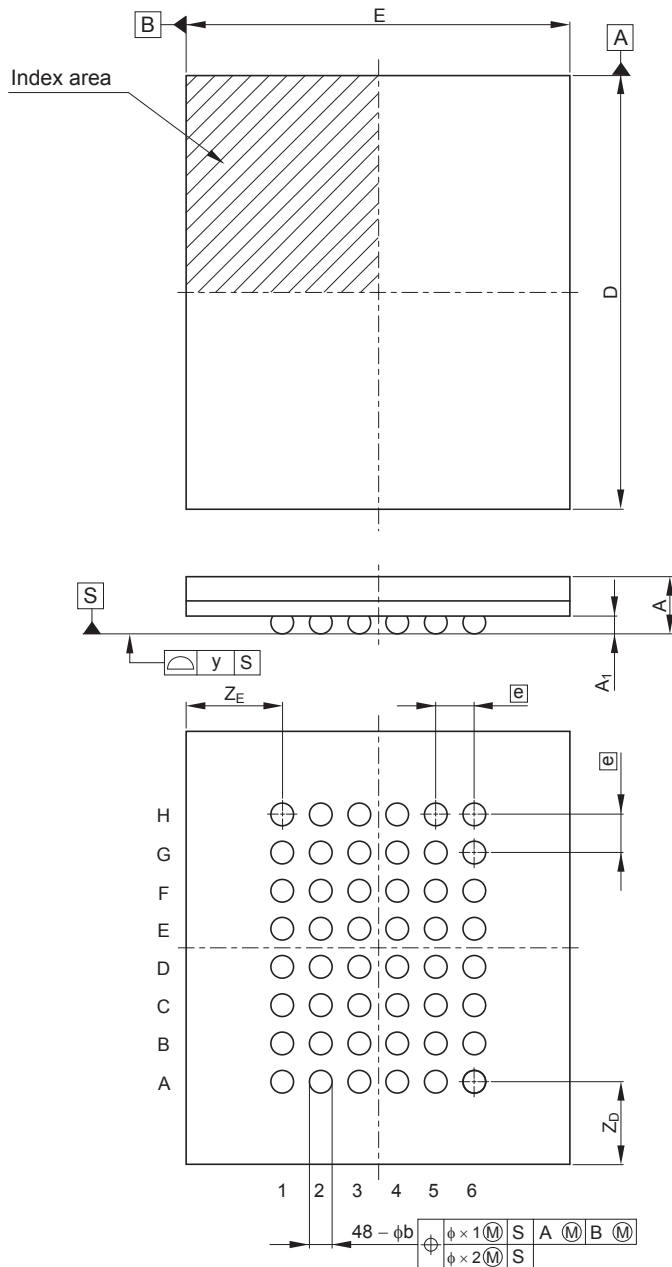


JEITA Package Code	RENESAS Code	Previous Code	MASS (Typ) [g]
P-TFBGA48-7.5x8.5-0.75	PTBG0048HJ-A	48FHR-A	0.1

Unit: mm



Reference Symbol	Dimensions in millimeters		
	Min	Nom	Max
D	8.42	8.5	8.58
E	7.42	7.5	7.58
A	—	—	1.2
A <sub>1</sub>	0.30	0.35	0.40
e	—	0.75	—
b	0.40	0.45	0.50
x <sub>1</sub>	—	—	0.15
x <sub>2</sub>	—	—	0.08
y	—	—	0.10
Z <sub>D</sub>	—	1.625	—
Z <sub>E</sub>	—	1.875	—