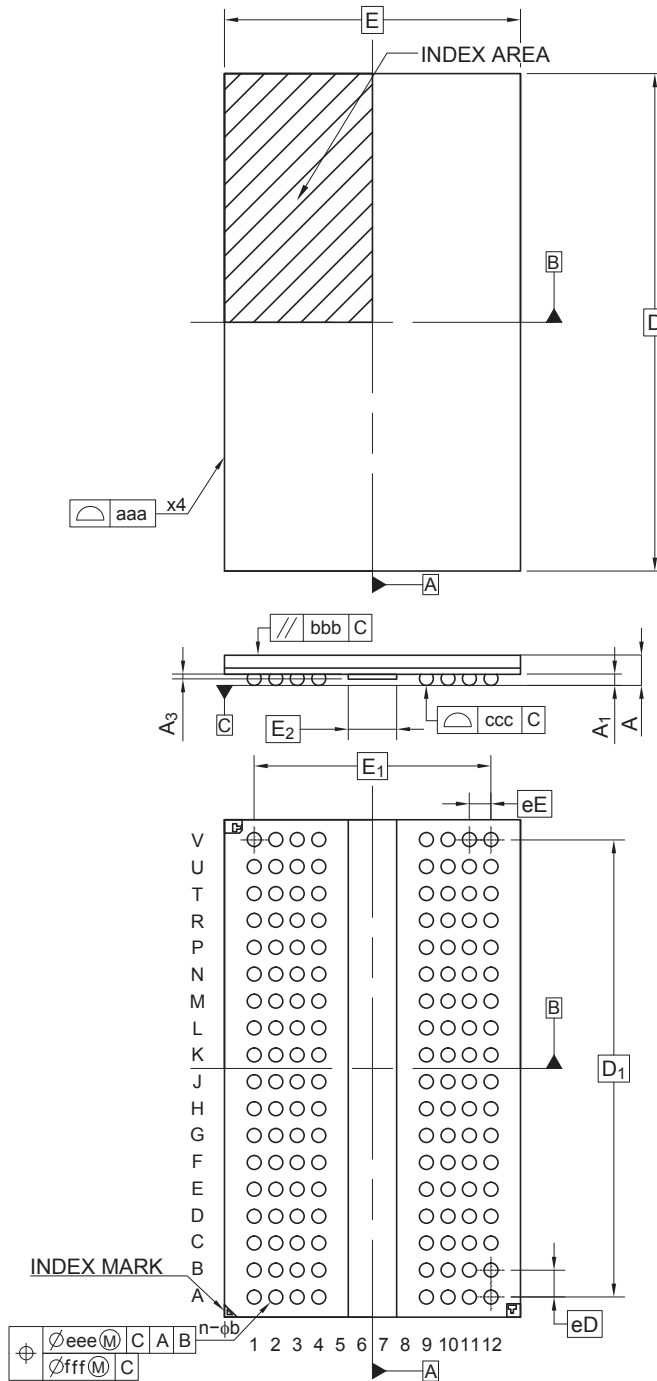


<b>JEITA Package Code</b>	<b>RENESAS Code</b>	<b>Previous Code</b>	<b>MASS (Typ) [g]</b>
P-TFBGA-11x18.5-0.80	PTBG0144GC-A	—	0.39

Unit: mm



Reference Symbol	Dimensions in millimeters		
	Min	Nom	Max
D	18.40	18.50	18.60
E	10.90	11.00	11.10
D <sub>1</sub>	—	17.00	—
E <sub>1</sub>	—	8.80	—
A	—	—	1.20
A <sub>1</sub>	0.37	0.42	0.47
A <sub>3</sub>	—	—	0.18
b	0.47	0.52	0.57
eD	—	1.00	—
eE	—	0.80	—
aaa	—	—	0.10
bbb	—	—	0.20
ccc	—	—	0.10
eee	—	—	0.15
fff	—	—	0.08
n	—	144	—
E <sub>2</sub>	1.75	1.80	1.85