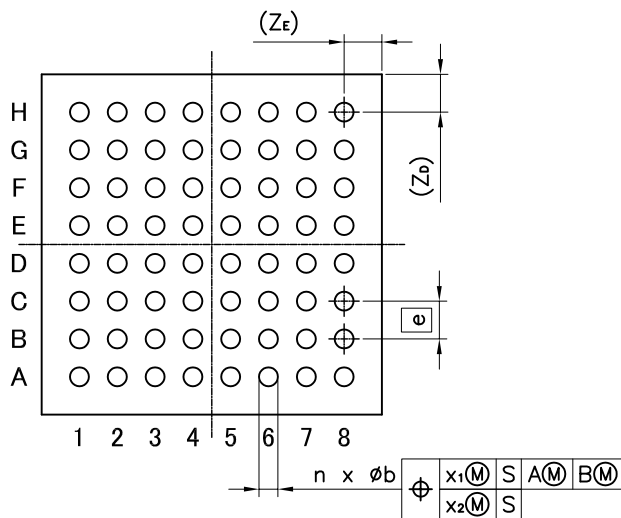
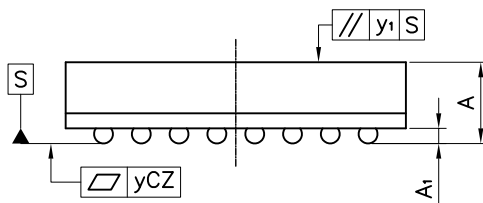
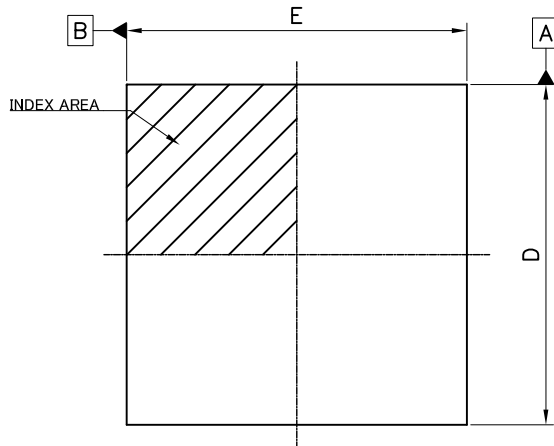


外形図 Outline drawing  
 Renesasコード PTBG0064KB-A

RDK-G-001384 1/1

ルネサス エレクトロニクス株式会社  
 Renesas Electronics Corporation

JEITA Package Code	RENESAS Code	MASS (Typ.) [g]
P-TFBGA64-4.5 × 4.5-0.50	PTBG0064KB-A	0.04



Reference Symbol	Dimension in Millimeters		
	Min.	Nom.	Max.
D	4.42	4.50	4.58
E	4.42	4.50	4.58
A	—	—	1.20
A <sub>1</sub>	0.15	0.20	0.25
e	—	0.50	—
b	0.20	0.25	0.30
x <sub>1</sub>	—	—	0.15
x <sub>2</sub>	—	—	0.05
y	—	—	0.08
y <sub>1</sub>	—	—	0.20
n	—	64	—
Z <sub>D</sub>	—	0.50	—
Z <sub>E</sub>	—	0.50	—