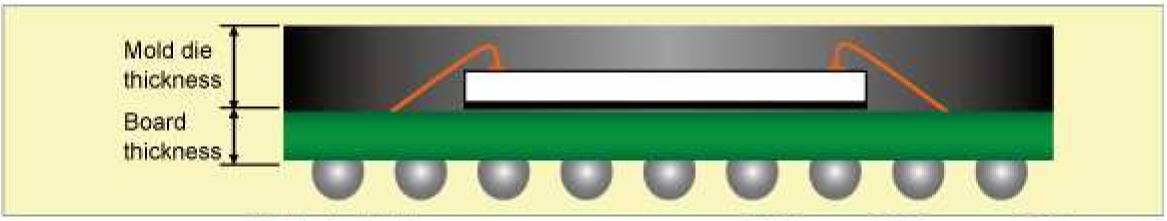
BGA／LGA

BGA／LGA



Mold die thickness	0.70	0.80	0.90mm
Board thickness	0.20	～	0.48mm
Ball diameter	φ0.20	～	0.60mm

＊Any size package that customer requires is possible to product with setting by combination of molding die and board thickness

■BGA Package lineup

We can make these products as a lineup.

Pac-kage	Package Size(mm)		Ball Pitch (mm)	Pin Count													
	D	E		44	57	65	72	85	96	97	104	108	113	119	128	132	156
BGA	4.0	4.0	0.5	●													
	5.0	5.0	0.5	●	●		●										
	6.0	6.0	0.5			●		●		●							
	7.0	7.0	0.5												●		
	8.0	8.0	0.5								●					●	
			0.65						●		●		●				
	10	10	0.8									●					
	12.0	12.0	0.8														●
	13.0	13.0	1.0									●					
	14.0	22.0	1.27											●			

BGA／LGA

■BGA Package lineup

Package	Package Size(mm)		Ball Pitch (mm)	Pin Count												
	D	E		164	176	181	208	224	256	264	277	281	324	329	480	676
BGA	6.0	6.0	0.4			●										
	13.0	13.0	0.65								●	●				
			0.8		●											
	14.0	14.0	1.0	●												
	15.0	15.0	0.5												●	
			0.8										●			
	17.0	17.0	1.0				●									
			1.27	●												
	18.0	12.0	0.8					●								
	18.0	18.0	0.65						●	●						
	19.0	19.0	0.8										●			
	21.0	21.0	1.0											●		
	27.0	27.0	1.0													●

BGA／LGA

■LGA Package lineup

We can make these products as a lineup.

Pac-kage	Package Size(mm)		Land Pitch (mm)	Pin Count																		
	D	E		56	64	72	80	96	104	113	120	132	144	156	168	176	183	208	242	243	252	304
LGA	5.0	5.0	0.5	●		●																
	6.0	6.0	0.5		●																	
	7.0	7.0	0.5				●		●		●											
	8.0	8.0	0.5									●										
			0.8				●															
	8.0	12.0	0.8					●														
	9.0	9.0	0.8		●																	
	9.5	9.5	0.65											●								
	10.0	10.0	0.5							●							●					
			0.8						●													
	11.0	11.0	0.5																			
	12.0	12.0	0.5						●							●						
			0.8																			
	13.0	13.0	0.5																			●
			0.65													●			●			
			0.8										●									
	14.0	14.0	0.65																			●
	15.0	15.0	0.8												●			●				
	18.0	18.0	0.8																		●	
	20.0	20.0	0.8																	●		

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