Cu Pillar Design Guide



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(Cu Pillar Size Example Table)						(um)
Wafer Size	Cu Pillar Pitch P	Cu Pillar Diameter PD	Pillar Space SB	Solder Height SH (max=PD/2)	Cu Height PH	Pillar Total Height TH (max)
6" , 8"	75	40	35	20.0	35.0	55.0
	80	40	40	20.0	35.0	55.0
	90	45	45	22.0	35.0	57.0
	100	50	50	25.0	58.0	83.0
	150	75	75	37.0	50.0	87.0
	200	100	100	50.0	86.0	136.0
12"	75	40	35	20.0	25.0	45.0
	80	40	40	20.0	25.0	45.0
	90	45	45	22.0	25.0	47.0
	100	50	50	25.0	23.0	48.0
	150	75	75	37.0	15.0	52.0
	200	100	100	46.0	10.0	56.0

※Example Case of : PD(typ)≒P/2, SH≒max

%The detailed design will be in consultation with the customer.

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% For P<75 , PD<40, need OEL Confirmation



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