

BGA--NP89											
Part Number	Grid	No. of Leads	DIMENSIONS								
			A	B	C	D	E	F	G		
NP89-10007-G4	10 X 10	100	38.0	22.86	12	38.0	47.5	45.6	15.55		
NP89-07303-G4	11 X 11	73	42.5	25.4	14	42.5	52.0	50.1	17.55		
NP89-12110-G4	11 X 11	121	42.5	25.4	14	42.5	52.0	50.1	17.55		
NP89-14409-G4	12 X 12	144	43.1	27.94	12	42.7	52.6	50.7	15.55		
NP89-13302-G4	14 X 14	133	51.0	32.02	14.65	51.0	60.5	58.6	18.2		
NP89-19601-G4	14 X 14	196	51.0	32.02	14.65	49.0	60.5	58.6	18.2		
NP89-22508-G4	15 X 15	225	52.7	35.56	14	50.3	65.4	60.3	17.55		
NP89-21004-G4	17 X 17	210	59.0	40.64	14.65	57.0	71.7	66.6	18.2		
NP89-28906-G4	17 X 17	289	59.0	40.64	14.65	57.0	71.7	66.6	18.2		
NP89-36105-G4	19 X 19	361	63.7	45.72	14.65	61.7	73.2	71.3	18.2		
NP89-44111-G4	21 X 21	441	69.0	50.8	14.95	68.0	81.7	76.4	18.5		
NP89-62522-G4	25 X 25	625	85.7	60.96	17.95	82.0	95.2	92.8	21.5		
BGA--NP178											
Part Number	Grid	No. of Leads	SOCKET DIMENSIONS				IC PACKAGE DIMENSIONS				
			A	B	1.27X(n-1) = C	D	E	F	G	H	n
NP178-64401-*-**	19 X 19	644	78.0	74	1.27X36=45.72	67.0	50.0 Max.	45.72	2.54 ~ 5.9	1.27	37
NP178-72002-*-**	20 X 20	720	79.0	75	1.27X38=48.26	69.5	25.8 Max.	48.26	2.54 ~ 5.9	1.27	39
NP178-59107	23 X 23	591	76.0	83.2	1.27X44=55.88	81.0	60.2 Max.	55.88	2.8 ~ 5.9	1.27	44