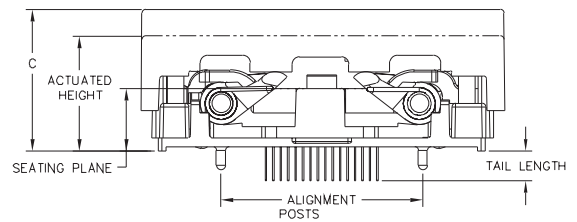
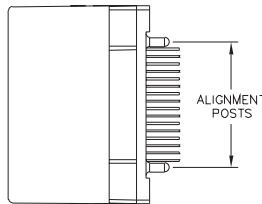
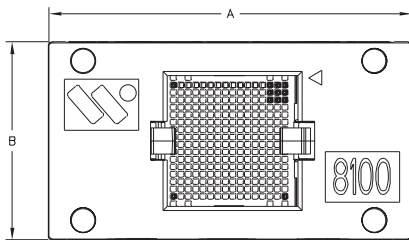
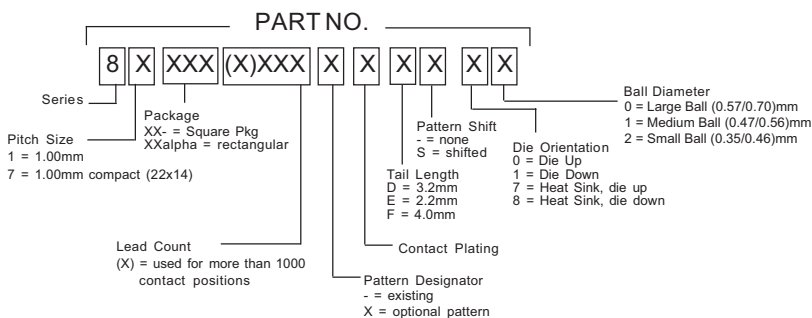


## Series 8100 VABGA Sockets

- Open top, Vertically Actuated Ball Grid Array
- Accommodates 1.0mm pitch package
- Proven, low force, high pressure “spoon” contacts
- Contacts are independent of one another
- Two points of contact per solder ball
- Molded in knock off feature
- Threaded stud mounting



## DESCRIPTION & ORDERING INFORMATION



## MATERIALS & SPECIFICATIONS

- Socket Body: PEI, LCP, or Equivalent
- Contact: Beryllium Copper Alloy
- Contact Plating: Gold over Nickel
- Contact Normal Force: 22 grams
- Contact Resistance: 100 mΩ max.
- Dielectric: 1000 V AC for 1 minute
- Temperature Rating: 125°C (Au)
- Insulation Resistance: 1000 MΩ @ 500V DC
- Durability: 10,000 cycles min.



## Series 8100 - 1.00mm Pitch Vertically Actuated BGA

Pitch e (mm)	Lead Count	Package Size	Matrix	Ball Dia. (mm)	Part Number	Socket Dimensions (mm)		
						Length (A)	Width (B)	Height (C)
1.00	36	6 X 6	6 X 6	0.40-0.70	8106-036-1E-OX	49.0	26.7	19.1
	64	9 X 9	8 X 8	0.40-0.70	8109-064-1E-OX	49.0	26.7	19.1
	74	12 X 12	10 X 10	0.40-0.70	8112-074-1ES0X	49.0	26.7	19.1
	80	11 X 11	10 X 10	0.40-0.70	8111-080-1E-OX	49.0	26.7	19.1
	81	10 X 10	9 X 9	0.40-0.70	8110-08-1ES0X	49.0	26.7	19.1
	96	15 X 15	14 X 14	0.40-0.70	8115-096-1E-OX	49.0	26.7	19.1
	100	11 X 11	10 X 10	0.40-0.70	8111-100-1E-OX	49.0	26.7	19.1
	106	13 X 13	12 X 12	0.40-0.70	8113-106-1E-OX	49.0	26.7	19.1
	120	15 X 15	14 X 14	0.40-0.70	8115-120-1E-OX	49.0	26.7	19.1
	136	19 X 19	14 X 14	0.40-0.70	8119-136-1E-OX	54.0	44.0	20.5
	144	13 X 13	12 X 12	0.40-0.70	8113-144-1E-OX	49.0	26.7	19.1
	148	15 X 15	14 X 14	0.40-0.70	8115-148-1E OX	49.0	26.7	19.1
	156	15 X 15	14 X 14	0.40-0.70	8115-156-1E-OX	49.0	26.7	19.1
	160	15 X 15	14 X 14	0.40-0.70	8115-160X1E-OX	49.0	26.7	19.1
	172	15 X 15	14 X 14	0.40-0.70	8115-172-1E-OX	49.0	26.7	19.1
	176	15 X 15	14 X 14	0.40-0.70	8115-176-1E-OX	49.0	26.7	19.1
	184	19 X 19	17 X 17	0.40-0.70	8119-184-1ES0X	54.0	44.0	20.5
	192	17 X 17	16 X 16	0.40-0.70	8117-192-1E-OX	49.0	26.7	19.1
	196	15 X 15	14 X 14	0.40-0.70	8115-196-1E-OX	49.0	26.7	19.1
	196	17 X 17	14 X 14	0.40-0.70	8117-196-1E-OX	49.0	26.7	19.1
	208	15 X 15	14 X 14	0.40-0.70	8115-208-1E-OX	49.0	26.7	19.1
	208	17 X 17	16 X 16	0.40-0.70	8117-208X1E-OX	49.0	26.7	19.1
	220	21 X 21	20 X 20	0.40-0.70	8121-220-1E-OX	54.0	44.0	20.5
	225	19 X 19	18 X 18	0.40-0.70	8119-225-1E-OX	54.0	44.0	20.5
	239	19 X 19	18 X 18	0.40-0.70	8119-239-1E-OX	54.0	44.0	20.5
	240	19 X 19	18 X 18	0.40-0.70	8119-240-1E-OX	54.0	44.0	20.5
	256	17 X 17	16 X 16	0.40-0.70	8117-256-1E-OX	49.0	26.7	19.1
	256	21 X 21	20 X 20	0.40-0.70	8121-256-1E-OX	54.0	44.0	20.5
	272	21 X 21	20 X 20	0.40-0.70	8121-272-1E-OX	54.0	44.0	20.5
	280	20 X 20	18 X 18	0.40-0.70	8120-280-1E-OX	54.0	44.0	20.5
	288	19 X 19	18 X 18	0.40-0.70	8119-288X1E-OX	54.0	44.0	20.5
	288	23 X 23	22 X 22	0.40-0.70	8123-288-1E-OX	54.0	44.0	20.5
	289	19 X 19	18 X 18	0.40-0.70	8119-289-1ES0X	54.0	44.0	20.5
	300	21 X 21	20 X 20	0.40-0.70	8121-300X1E-OX	54.0	44.0	20.5
	304	23 X 23	22 X 22	0.40-0.70	8123-304-1E-OX	54.0	44.0	20.5
	320	25 X 25	24 X 24	0.40-0.70	8125-320-1E-OX	54.0	44.0	20.5
	321	23 X 23	21 X 21	0.40-0.70	8123-321X1ES0X	54.0	44.0	20.5
	324	19 X 19	18 X 18	0.40-0.70	8119-324-1E-OX	54.0	44.0	20.5
	324	23 X 23	22 X 22	0.40-0.70	8123-324-1E-OX	54.0	44.0	20.5
	340	23 X 23	22 X 22	0.40-0.70	8123-340-1E OX	54.0	44.0	20.5
	342	23 X 23	22 X 22	0.40-0.70	8123-342-1E-OX	54.0	44.0	20.5
	352	27 X 27	26 X 26	0.40-0.70	8127-352-1E-OX	54.0	44.0	20.5
	354	21 X 21	20 X 20	0.40-0.70	8121-354X1E-OX	54.0	44.0	20.5
	360	23 X 23	22 X 22	0.40-0.70	8123-360-1E-OX	54.0	44.0	20.5
	388	23 X 23	22 X 22	0.40-0.70	8132-388-1E-OX	54.0	44.0	20.5
	388	27 X 27	26 X 26	0.40-0.70	8127-399-1E-OX	54.0	44.0	20.5
400	21 X 21	20 X 20	0.40-0.70	8121-400-1E-OX	54.0	44.0	20.5	
416	27 X 27	26 X 26	0.40-0.70	8127-416X1E-OX	54.0	44.0	20.5	
452	27 X 27	26 X 26	0.40-0.70	8127-452-1E-OX	54.0	44.0	20.5	
456	23 X 23	22 X 22	0.40-0.70	8123-456-1E-OX	54.0	44.0	20.5	
480	27 X 27	26 X 26	0.40-0.70	8127-480-1E-OX	54.0	44.0	20.5	
484	23 X 23	22 X 22	0.40-0.70	8123-484-1E-OX	54.0	44.0	20.5	
484	27 X 27	26 X 26	0.40-0.70	8127-484-1E-OX	54.0	44.0	20.5	
492	27 X 27	26 X 26	0.40-0.70	8127-492-1E-OX	54.0	44.0	20.5	
576	25 X 25	24 X 24	0.40-0.70	8125-576-1E-OX	54.0	44.0	20.5	
672	27 X 27	26 X 26	0.40-0.70	8127-672-1E-OX	54.0	44.0	20.5	
676	27 X 27	26 X 26	0.40-0.70	8127-676-1E-OX	54.0	44.0	20.5	
Rectangular Packages	40	11.5 X 15.5	10 X 4	0.40-0.70	8115A040-1DS0X	49.0	26.7	19.1
	48	12 X 10	8 X 6	0.40-0.70	8112A048-1E-OX	49.0	26.7	19.1
	48	14 X 10	8 X 6	0.40-0.70	8114A048-1D-OX	49.0	26.7	19.1
	64	13 X 10	8 X 8	0.40-0.70	8113A064-1E-OX	49.0	26.7	19.1
	64	13 X 11	8 X 8	0.40-0.70	8113B064A1E-OX	49.0	26.7	19.1
	80	12 X 10	10 X 8	0.40-0.70	8112A080-1E-OX	49.0	26.7	19.1
	80	13 X 10	10 X 8	0.40-0.70	8113A080-1E-OX	49.0	26.7	19.1
	209	22 X 14	19 X 11	0.40-0.70	8722A209-1E-OX	33.0	29.0	19.5