



BGA NOZZLES	COMPONENT	BGA SIZE (NOMINAL)	PART NUMBER
	BGA-204/225/256/ 272/292/320/324	27mm x 27mm (1.1" x 1.1")	4028-5001
	BGA-169/168	23mm x 23mm (0.91" x 0.91")	4028-5002
	BGA-313/352	35mm x 35mm (1.38" x 1.38")	4028-5003
	BGA-144	13mm x 13mm (0.51" x 0.51")	4028-5004
	BGA-121/196	15mm x 15mm (0.59" x 0.59")	4028-5005
	BGA-86	16.25mm x 17.75mm (0.64" x 0.70")	4028-5006
	BGA-68	13.45mm x 14.97mm (0.53" x 0.59")	4028-5007
	BGA-32	10.42mm x 10.42mm (0.41" x 0.41")	4028-5008
	BGA-40/44	11.97mm x 13.21mm (0.47" x 0.52")	4028-5009
	BGA-18	8.64mm x 8.90mm (0.34" x 0.35")	4028-5010
	BGA-421/432/736	40mm x 40mm (1.57" x 1.57")	4028-5012
	BGA-560	42.5mm x 42.5mm (1.67" x 1.67")	4028-5013
	BGA-240/304/432	31mm x 31mm (1.22" x 1.22")	4028-5014
	BGA-256	17mm x 17mm (0.67" x 0.67")	4028-5015
	BGA-252/255/256	21mm x 21mm (0.83" x 0.83")	4028-5016
	BGA (Short Adpt.)	21mm x 21mm (0.83" x 0.83")	4028-5017
	BGA-479/493/584	37.5mm x 37.5mm (1.48" x 1.48")	4028-5018
	BGA-96/121	19mm x 19mm (0.75" x 0.75")	4028-5019
	BGA-240/324	32mm x 32mm (1.26" x 1.26")	4028-5020
	BGA-256/400	29mm x 29mm (1.14" x 1.14")	4028-5021
	BGA-100	16mm x 16mm (0.63" x 0.63")	4028-5022
	BGA-119	22mm x 14mm (0.87" x 0.55")	4028-5023
	BGA-169	19.25mm x 19.25mm (0.76" x 0.76")	4028-5024
	BGA-196	18.5mm x 18.5mm (0.73" x 0.73")	4028-5025
	BGA-240	26.4mm x 26.4mm (1.04" x 1.04")	4028-5026
	BGA-256	30mm x 30mm (1.18" x 1.18")	4028-5027
	BGA-475	25mm x 32.3mm (0.98" x 1.27")	4028-5028
	BGA-521	43mm x 43mm (1.69" x 1.69")	4028-5029
	BGA-540	44mm x 44mm (1.73" x 1.73")	4028-5030
	BGA-625	32.5mm x 32.5mm (1.28" x 1.28")	4028-5031
	BGA-169	22mm x 22mm (0.87" x .87")	4028-5032
	BGA-361	33mm x 33mm (1.29" x 1.29")	4028-5033
	BGA-720	47.5mm x 47.5mm (1.87" x 1.87")	4028-5034
BGA-303	21mm x 25mm (0.83" x 0.98")	4028-5035	
BGA (Short Adpt.)	17mm x 17mm (0.67" x 0.67")	4028-5036	
BGA (Small Cup)	21mm x 21mm (0.83" x 0.83")	4028-5037	
Micro BGA-48	7.75mm x 5.6mm (0.31" x 0.22")	4028-5501	
Micro BGA-48	7.85mm x 6.40mm (0.31" x 0.25")	4028-5502	



PATTERN NOZZLES	COMPONENT TYPE	JET SPACING	JET LENGTH	PART NUMBER
	SOIC- 8 (JEDEC)	4.1mm (0.16")	6.1mm (0.24")	4028-4001
	SOIC-14/16 (JEDEC)	4.1mm (0.16")	10.9mm (0.43")	4028-4002
	SOICL-16 (JEDEC)	7.9mm (0.31")	10.9mm (0.43")	4028-4003
	SOICL-20 (JEDEC)	7.9mm (0.31")	13.5mm (0.53")	4028-4004
	SOICL-24 (JEDEC)	7.9mm (0.31")	16mm (0.63")	4028-4005
	SOICL-28 (JEDEC)	7.9mm (0.31")	18.5mm (0.73")	4028-4006
	SOICL-32 (JEDEC)	11.68mm (0.46")	20.83mm (0.82")	4028-4007
	TSOP-48 (Type I)	18.6mm (0.734")	18.6mm (0.734")	4028-4505
	TSOP-32/40/44/50 (Type II)	10.4mm (0.41")	21.35mm (0.84")	4028-4506
SINGLE JET NOZZLES	SHAPE OF JET TUBE	NOZZLE SIZE (NOMINAL)	PART NUMBER	
	Curved, Round	3.0mm diameter (0.1" diameter)	4028-1001	
	Curved, Round	5.0mm diameter (0.2" diameter)	4028-1002	
	Curved, Round	8.0mm diameter (0.3" diameter)	4028-1003	
	Straight, Round	3.0mm diameter (0.01" diameter)	4028-1011	
	Straight, Round	5.0mm diameter (0.2" diameter)	4028-1012	
	Straight, Round	8.0mm diameter (0.3" diameter)	4028-1013	
	Flat Jet	13.21 mm length (0.52")	4028-1021	
	Flat Jet	23.37mm length (0.92")	4028-1022	
BOX NOZZLES	COMPONENT TYPE	NOZZLE SIZE (NOMINAL)	PART NUMBER	
	PLCC	32.5mm x 46.5mm (" x ")	4028-1501	
	PLCC-18 (Non Baffled)	8.5mm x 12.1mm (0.34" x 0.48")	4028-2001	
	PLCC-20 (Non Baffled)	10.2mm x 10.2mm (0.40" x 0.40")	4028-2002	
	PLCC-28 (Non Baffled)	12.8mm x 12.8mm (0.50" x 0.50")	4028-2003	
	PLCC-32 (Non Baffled)	12.8mm x 15.3mm (0.50" x 0.60")	4028-2004	
	PLCC-44 (Non Baffled)	17.9mm x 17.9mm (0.70" x 0.70")	4028-2005	
	PLCC-52	20.4mm x 20.4mm (0.80" x 0.80")	4028-2006	
	PLCC-68	25.5mm x 25.5mm (1.01" x 1.01")	4028-2007	
	PLCC-84	30.6mm x 30.6mm (1.20" x 1.20")	4028-2008	
	PLCC-100	38.9mm x 38.9mm (1.53" x 1.53")	4028-2009	
	QFP-80/100	18.1mm x 24.1mm (0.71" x 0.95")	4028-2501	
	QFP-64/80 (Non Baffled)	17.0mm x 17.0mm (0.67" x 0.67")	4028-2502	
	QFP-132	26.9mm x 26.9mm (1.06" x 1.06")	4028-2503	
	QFP-160	31.9mm x 31.9mm (1.26" x 1.26")	4028-2504	
	QFP-208	31.5mm x 31.5mm (1.24" x 1.24")	4028-2505	
	QFP-240	34.6mm x 34.6mm (1.36" x 1.36")	4028-2506	
	BQFP-100	23.5mm x 23.5mm (" x ")	4028-2507	
	BQFP-84	20.9mm x 20.9mm (" x ")	4028-2508	
	BQFP-132	27.1mm x 27.1mm (1.07" x 1.07")	4028-2602	
	TQFP-32 (Non Baffled)	11.5mm x 11.5mm (0.453" x 0.453")	4028-3002	
	TQFP-120 (Non Baffled)	15.5mm x 15.5mm (0.610" x 0.610")	4028-3004	
	TQFP-48	18.6mm x 18.6mm (0.734" x 0.734")	4028-4505	