

AVAILABLE THERMOFLO NOZZLES

Listed below are the standard nozzles available from PACE. Custom nozzles can be designed and manufactured for special or non-standard applications. For more information, contact PACE Technical Support at 1-888-535-PACE or by FAX at (301) 604-8782.

BGA Nozzles 	Component (# of I/Os)	BGA Size (Nominal)	Part Number	Alignment Templates
	BGA-225/256	27mm x 27mm (1.1" x 1.1")	4028-5001	3018-0057-002 3018-0057-003
	BGA-169	23mm x 23mm (.91" x .91")	4028-5002	3018-0057-001
	BGA-313	35mm x 35mm (1.38" x 1.38")	4028-5003	3018-0057-004
	BGA-144	13mm x 13mm (.51" x .51")	4028-5004	3018-0057-009
	BGA-196	15mm x 15mm (.59" x .59")	4028-5005	3018-0057-010
	BGA-86	16.25mm x 17.75mm (.64" x .70")	4028-5006	3018-0057-013
	BGA-68	13.45mm x 14.97mm (.53" x .59")	4028-5007	3018-0057-014
	BGA-32	10.42mm x 10.42mm (.41" x .41")	4028-5008	3018-0057-015
	BGA-40/44	11.97mm x 13.21mm (.47" x .52")	4028-5009	3018-0057-016 3018-0057-017
	BGA-18	8.64mm x 8.90mm (.34" x .35")	4028-5010	3018-0057-018
	BGA-357	25.0mm x 25.0mm (.992" x .992")	4028-5011	3018-0057-019
	BGA-432	40.0mm x 40.0mm (1.57" x 1.57")	4028-5012	3018-0057-020
	BGA-560	42.5mm x 42.5mm (1.67" x 1.67")	4028-5013	3018-0057-021
	Micro BGA-48	7.75mm x 5.6mm (.31" x .22")	4028-5501	3018-0057-012
	Micro BGA-48	7.85mm x 6.40mm (.31" x .25")	4028-5502	3018-0057-011

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	18.6mm (.734")	18.6mm (.734")	4028-4505

AVAILABLE THERMOFLO NOZZLES (cont.)

Single Jet Nozzles



Shape of Jet Tube	Nozzle Size (Nominal)	Part Number
Curved, Round	3.0mm dia. (0.1" dia.)	4028-1001
Curved, Round	5.0mm dia. (0.2" dia.)	4028-1002
Curved, Round	8.0mm dia. (0.3" dia.)	4028-1003
Straight, Round	3.0 mm dia. (.01" dia.)	4028-1011
Straight, Round	5.0mm dia. (0.2" dia.)	4028-1012
Straight, Round	8.0mm dia. (0.3" dia.)	4028-1013
Flat Jet	13.21mm length (0.52")	4028-1021
Flat Jet	23.37mm length (0.92")	4028-1022

Box Nozzles



Baffled Nozzle



Non Baffled Nozzle*

Component Type	Nozzle Size (Nom.)	Part Number
PLCC-18 (Non Baffled)	8.5mm x 12.1mm (0.34" x 0.48")	4028-200 1
PLCC-20 (Non Baffled)	10.2mm x 10.2mm (0.40" x 0.40")	4028-200 2
PLCC-28 (Non Baffled)	12.8mm x 12.8mm (0.50" x 0.50")	4028-200 3
PLCC-32 (Non Baffled)	12.8mm x 15.3mm (0.50" x 0.60")	4028-200 4
PLCC-44 (Non Baffled)	17.9mm x 17.9mm (0.70" x 0.70")	4028-200 5
PLCC-52	20.4mm x 20.4mm (0.80" x 0.80")	4028-200 6
PLCC-68	25.5mm x 25.5mm (1.01" x 1.01")	4028-200 7
PLCC-84	30.6mm x 30.6mm (1.20" x 1.20")	4028-200 8
PLCC-100	38.9mm x 38.9mm (1.53" x 1.53")	4028-200 9
QFP-80/100	18.1mm x 24.1mm (0.71" x 0.95")	4028-250 1
QFP-64/80 (Non Baffled)	17.0mm x 17.0mm (0.67" x 0.67")	4028-250 2
QFP-132	26.9mm x 26.9mm (1.06" x 1.06")	4028-250 3
QFP-160	31.9mm x 31.9mm (1.26" x 1.26")	4028-250 4
QFP-208	31.5mm x 31.5mm (1.24" x 1.24")	4028-250 5
QFP-240	34.6mm x 34.6mm (1.36" x 1.36")	4028-250 6
BQFP-132	27.1mm x 27.1mm (1.07" x 1.07")	4028-260 2
TQFP-32 (Non Baffled)	11.5mm x 11.5mm (.453" x .453")	4028-300 2
TQFP-120 (Non Baffled)	15.5mm x 15.5mm (.610" x .610")	4028-300 4
TQFP-48	18.6mm x 18.6mm (.734" x .734")	4028-450 5

* Nozzles less than .75 " sq. will not have baffles.