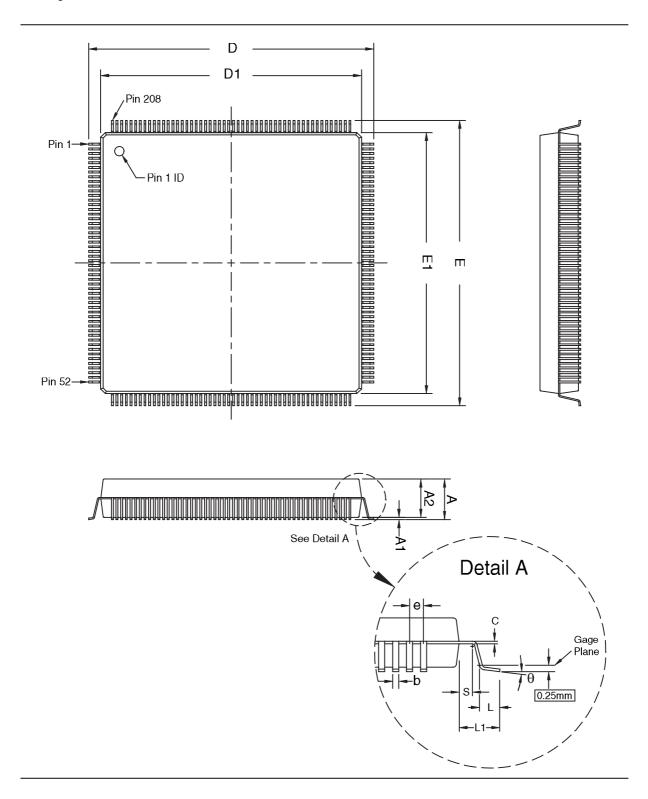
208-Pin Plastic Quad Flat Pack (PQFP)—Wire Bond

- All dimensions and tolerances conform to ASME Y14.5M 1994.
- Controlling dimension is in millimeters.
- Pin 1 may be indicated by an ID dot in its proximity on package surface.

Package Information			
Description	Specification		
Ordering Code Reference	Q		
Package Acronym	PQFP		
Lead Material	Copper		
Lead Finish (Plating)	Regular: 85Sn:15Pb (Typ.)		
	Pb-free: Matte Sn		
JEDEC Outline Reference	MS-029 Variation: FA-1		
Lead Coplanarity	0.003 inches (0.08 mm)		
Weight	6.3 g (Typ.)		
Moisture Sensitivity Level	Printed on moisture barrier bag		

Package Outline Dimension Table				
Symbol	Millimeters			
	Min.	Nom.	Max.	
А		_	4.10	
A1	0.25	_	0.50	
A2		3.40	3.60	
D	30.60 BSC			
D1	28.00 BSC			
Е	30.60 BSC			
E1	28.00 BSC			
L		0.60	0.75	
L1	1.30 REF			
S	0.20	_	<u> </u>	
b	0.17	_	0.27	
С	0.09	_	0.20	
е	0.50 BSC			
θ	0°	3.5°	8°	

Package Outline



Package Information Datasheet for Mature Altera Devices

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