

## Lead Free Qualification Status by Package Type



Updated: July 1st 2006

Package Outline	Lead Count	Body Size	Estimated Qualification Date	Estimated Production Date	Qualification Status	Bill of Material Status
LQFP	44, 64	10x10x1.4 mm	Jul-2003	Jul-2003	Qualified	RoHS = Yes Green = No
LQFP	100	14x14x1.4 mm	Dec-2003	Jan-2004	Qualified	RoHS = Yes Green = No
LQFP	128	14x20x1.4 mm	TBD	TBD	TBD	
LQFP	144	20x20x1.4 mm	Sep-2003	Oct-2003	Qualified	RoHS = Yes Green = No
LQFP	208	28x28x1.4 mm	New Product Qualification	New Product Qualification	New Product Qualification	RoHS = Yes Green = No
LQFP	48	7x7x1.4 mm	Jun-2003	Jul-2003	Qualified	RoHS = Yes Green = No
MQFP	52	10x10x2.0 mm	Feb-2006	Mar-2006	Qualified	RoHS = Yes Green = Yes
MQFP	100,128	14x20x2.7 mm	TBD	TBD	TBD	
MQFP	208,256	28x28x3.3 mm	TBD	TBD	TBD	
MQFP	240	32x32x3.4 mm	Jan-2006	Feb-2006	Qualified	RoHS = Yes Green = Yes
QFN	8	4x4 mm	New Product Qualification	New Product Qualification	New Product Qualification	RoHS = Yes Green = Yes
QFN	20, 28, 32	5x5 mm	New Product Qualification	New Product Qualification	New Product Qualification	RoHS = Yes Green = Yes
QFN	40, 48	9x9 mm	New Product Qualification	New Product Qualification	New Product Qualification	RoHS = Yes Green = Yes
PBGA	256, 272	27x27 mm	May-2003	Jun-2003	Qualified	RoHS = Yes Green = No
PBGA	352	27x27 mm	New Product Qualification	New Product Qualification	New Product Qualification	RoHS = Yes Green = No
PBGA	256	17x17 mm	May-2006	Jun-2006	Qualified	RoHS = Yes Green = No

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PDIP	8, 14, 16, 24	300 mil	No Pb-free versions planned	No Pb-free versions planned	No Pb-free versions planned	
PDIP	28, 40	600 mil	No Pb-free versions planned	No Pb-free versions planned	No Pb-free versions planned	
PLCC	28	453x453 mils	Oct-2004	Nov-2004	Qualified	RoHS = Yes Green = Yes
PLCC	44	653x653 mil	Jul-2003	Aug-2003	Qualified	RoHS = Yes Green = Yes
SOIC	8	150 mil	Jan-2003	Feb-2003	Qualified	RoHS = Yes Green = No
SOIC	16	150 mil	Jan-2004	Feb-2004	Qualified	RoHS = Yes Green = Yes
SOIC	8	209 mil	Jul-2004	Aug-2004	Qualified	RoHS = Yes Green = Yes
SOIC	24, 28	300 mil	Mar-2004	Apr-2004	Qualified	RoHS = Yes Green = Yes
SOIC	16,20	300 mil	Oct-2004	Nov-2004	Qualified	RoHS = Yes Green = Yes
SSOP	16,20,24,28	5.3 mm	Jan-2003	Feb-2003	Qualified	RoHS = Yes Green = Yes
TFBGA	204	13x13 mm	No Pb-free versions planned	No Pb-free versions planned	No Pb-free versions planned	
TFBGA	272	14x14 mm	New Product Qualification	New Product Qualification	New Product Qualification	RoHS = Yes Green = No
TSSOP	10	3.0 mm	Aug-2005	Sep-2005	Qualified	RoHS = Yes Green = Yes
TSSOP	16,20,24,28	4.4 mm	Jan-2003	Feb-2003	Qualified	RoHS = Yes Green = Yes
TSSOP Exposed Pad	56	6.1 mm	New Product Qualification	New Product Qualification	New Product Qualification	RoHS = Yes Green = Yes

**Key:**

	Qualified
	In-Process
	Not Started

**NOTE:** Please contact Sales or Marketing representative to confirm Pb-free availability for specific products.