

February 3, 2006

Subject: PCN# 02A-06, Notification of Intent to Discontinue Select Devices

Dear Lattice Customer:

Lattice is providing this 12-month notification of our intent to discontinue select devices. The customer demand for these devices has been declining over the years and it no longer makes economical sense to continue manufacturing.

Affected Products

This PCN affects all Ordering Part Numbers (OPNs) derived from the product lines listed in the tables below. For any given product line, this PCN covers all speed grades, temperature grades, and package options. Additionally, this PCN covers any custom device variation such as factory programmed, special test, tape and reel or custom mark.

Product Family	Product Line	Package	Recommended Alternatives
GAL	GAL16VP8B	20-PDIP	GAL16V8
		20-PLCC	
	GAL20VP8B	24-PDIP	GAL20V8
		28-PLCC	
	GAL20XV10B	24-PDIP	GAL22V10
		28-PLCC	
	GAL6001B	24-PDIP	LC4032V
		28-PLCC	
	GAL6002B	24-PDIP	LC4032V
		28-PLCC	
	GAL20V8Z	24-PDIP	GAL20V8
		28-PLCC	
	GAL20V8ZD	24-PDIP	GAL20V8
		28-PLCC	
GAL20LV8D	28-PLCC	GAL22LV10	
GAL20LV8ZD	28-PLCC	GAL22LV10	
GAL22LV10Z	28-PLCC	GAL22LV10	
GAL22LV10ZD	28-PLCC	GAL22LV10	
GAL26CLV12D	28-PLCC	LC4032V	
ispGDS	ispGDS14	20-PLCC	ispGDX80VA
	ispGDS22	28-PLCC	

Product Family	Product Line	Package	Recommended Alternatives
ispPAC	ispPAC10	28-PDIP	-
		28-SOIC	
	ispPAC20	44-PLCC	-
		44-TQFP	
	ispPAC30	28-PDIP	-
		24-SOIC	
ispPAC81	16-PDIP	-	
	16-SOIC		
ispLSI 2000 ¹	ispLSI 2032 ²	44-PLCC	ispLSI 2032A
		44-TQFP	
		48-TQFP	
	ispLSI 2064 ²	84-PLCC	ispLSI 2064A
		100-TQFP	
	ispLSI 2096 ²	128-PQFP	ispLSI 2096A
		128-TQFP	
	ispLSI 2128 ²	160-PQFP	ispLSI 2128A
176-TQFP			
ispLSI 2000VL	ispLSI 2032VL	44-PLCC	LC4032B
		44-TQFP	
		48-TQFP	
		49-caBGA	
	ispLSI 2064VL	100-TQFP	L4064B
		100-caBGA	
		44-PLCC	
		44-TQFP	
	ispLSI 2096VL	128-TQFP	LC4128B
	ispLSI 2128VL	160-PQFP	LC4128B
		176-TQFP	
		208-fpBGA	
		100-TQFP	
	ispLSI 2192VL	100-caBGA	LC4256B
128-TQFP			
	144-fpBGA		
ispLSI 8000	ispLSI 8840	432-SBGA	LC51024MV
ispLSI 8000V	ispLSI 8600V	492-BGA	LC51024MV
		272-BGA	
	ispLSI 8840V	492-BGA	LC51024MV
		272-BGA	
	ispLSI 81080V	492-BGA	LC51024MV
		272-BGA	
LC5000B	LC5128B	128-TQFP	LC5256MB
	LC5256B	256-fpBGA	LC5256MB
		208-PQFP	
		128-TQFP	
	LC5384B	256-fpBGA	LC5384MB
		208-PQFP	
	LC5512B	484-fpBGA	LC5512MB
		256-fpBGA	
208-PQFP			

1. This Product Discontinuance is strictly limited to the ispLSI 2000 family. The ispLSI 2000A, 2000E, and 2000VE are still active product families.
2. Converted to ispLSI 2000A Product Family in 2000 per PCN#002-00.

Product Family	Product Line	Package	Recommended Alternatives
ORCA 2 Series	OR2C04A	208-PQFP	LatticeECP/EC or LatticeXP
		100-TQFP	
		144-TQFP	
		160-PQFP	
		84-PLCC	
	OR2C06A	256-BGA	LatticeECP/EC or LatticeXP
		160-PQFP	
		208-PQFP	
		240-PQFP	
		100-TQFP	
		144-TQFP	
	OR2C08A	160-PQFP	LatticeECP/EC or LatticeXP
		84-PLCC	
		208-PQFP	
		240-PQFP	
	OR2C10A	256-BGA	LatticeECP/EC or LatticeXP
		352-BGA	
		160-PQFP	
		208-PQFP	
	OR2C12A	256-BGA	LatticeECP/EC or LatticeXP
		352-BGA	
		84-PLCC	
		208-PQFP	
		240-PQFP	
		304-PQFP	
	OR2C15A	256-BGA	LatticeECP/EC or LatticeXP
		352-BGA	
		84-PLCC	
		208-PQFP	
		240-PQFP	
		304-PQFP	
	OR2C26A	208-PQFP	LatticeECP/EC or LatticeXP
		240-PQFP	
304-PQFP			
OR2C40A	208-PQFP	LatticeECP/EC or LatticeXP	
	240-PQFP		
	304-PQFP		
OR2T04A	208-PQFP	LatticeECP/EC or LatticeXP	
	100-TQFP		
	144-TQFP		
OR2T08A	256-BGA	LatticeECP/EC or LatticeXP	
	160-PQFP		
	208-PQFP		
	240-PQFP		
OR2T10A	256-BGA	LatticeECP/EC or LatticeXP	
	160-PQFP		
	208-PQFP		
	240-PQFP		

Product Family	Product Line	Package	Recommended Alternatives
ORCA 2 Series	OR2T15A	352-BGA	LatticeECP/EC or LatticeXP
	OR2T26A	352-BGA	LatticeECP/EC or LatticeXP
		432-SBGA	
	OR2T40A	352-BGA	LatticeECP/EC or LatticeXP
	OR2T15B	256-BGA	LatticeECP/EC or LatticeXP
		352-BGA	
		208-PQFP	
		240-PQFP	
	OR2T40B	352-BGA	LatticeECP/EC or LatticeXP
		432-SBGA	
208-PQFP			
ORCA 3 Series	OR3C80	352-BGA	LatticeECP/EC or LatticeXP
		208-PQFP	

Discontinuance Timing

Customers will have 6 months to place their last time buy (LTB) orders for these devices. All LTB orders for these devices will be non-cancelable and non-returnable. All LTB orders must be placed no later than August 3, 2006 (6 months after the date of this notice) with all deliveries taken no later than February 3, 2007 (12 months after the date of this notice). Orders received after August 3, 2006 will only be accepted based on available on-hand inventory.

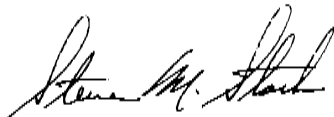
Discontinuance Timing – Summary

- **Last Time Buy Order Date** **August 3, 2006**
- **Last Shipment Date** **February 3, 2007**

Please contact your Lattice sales representative for assistance on device replacement strategies. For additional information or questions, please contact [Lattice Technical Support](#).

If you have any questions or require additional information, please contact your local Lattice Sales Representative or please feel free to call me at (503) 268-8386.

Regards,



Steven M. Stark
Director, Product Marketing