

## Lattice Ordering Guidelines for Custom Products

### Introduction

Lattice “Custom Products” include the following:

- **Factory Pre-Programming** (Encryption & Non-Encryption)
- **Custom Topside Marking**
- **Tape and Reel Packaging** (When not offered in Standard Ordering Part Number)
- **Custom Processing** (Including custom testing, restricted material set, custom product specifications, etc.)

### Custom Product Order Minimum for Boxes and Tape and Reel

Minimum Purchase Order Quantity and Incremental Line Item Quantity for Custom Product is a function of the Device and Package Type and is listed in the following tables.

Product Family	Device	Package Type		Pins/ Balls	Pitch	Box Qty	Custom VAS, Tray-Based Packaging			Custom VAS, T&R-Based Packaging		
							Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	Full Reel Quantity	Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	
Certus™-NX	LFD2NX-17	CBGA		121	0.5	2450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	LFD2NX-40	BGA		196	0.8	840	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		BGA		256	0.8	595	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		CBGA		121	0.5	2450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
CrossLink-NX™	LIFCL-17	BGA		256	0.8	595	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		CBGA		121	0.5	2450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		QFN		72	0.5	840	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		WLCSP	TR	72	0.4	Not Available	Not Available	Not Available	4000	Contact Factory	Contact Factory	
	LIFCL-40	BGA		256	0.8	595	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		BGA		400	0.8	450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		CBGA		121	0.5	2450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		CBGA		289	0.5	1200	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		QFN		72	0.5	840	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		Auto LIFCL-17	BGA		256	0.8	595	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
	Auto LIFCL-40	CBGA		121	0.5	2450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		BGA		256	0.8	595	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	CrossLinkPlus™	LIF-MDF6000	CBGA		64	0.4	2450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
			BGA		80	0.65	1300	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
CrossLink™	LIF-MD6000	BGA		80	0.65	1485	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		CBGA	TR	64	0.4	Not Available	Not Available	Not Available	4000	Contact Factory	Contact Factory	
		CBGA	TR1K	64	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available	
		CBGA		64	0.4	2450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		CBGA		81	0.5	2450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		WLCSP	TR	36	0.4	Not Available	Not Available	Not Available	5000	Contact Factory	Contact Factory	
		WLCSP	TR1K	36	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available	
		LIA-MD6000	BGA		80	0.65	1300	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
	BGA			80	0.65	1485	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	BGA			81	0.5	2450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	iCE40™	ICE40HX1K	CBGA		132	0.5	3480	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
			TQFP		100	1	900	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
			TQFP		144	0.8	600	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
ICE40HX4K		CBGA	TR	121	0.8	Not Available	Not Available	Not Available	2000	Contact Factory	Contact Factory	
		CBGA		121	0.8	2600	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		CBGA		132	0.5	3480	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		TQFP		144	0.8	600	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
ICE40HX8K		caBGA		256	0.8	1520	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		CBGA	TR	121	0.8	Not Available	Not Available	Not Available	2000	Contact Factory	Contact Factory	
		CBGA		121	0.8	2600	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		CBGA		132	0.5	3480	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
ICE40LM1K		CBGA		225	0.4	2600	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		CBGA	TR1K	36	0.4	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	

Product Family	Device	Package Type		Pins/ Balls	Pitch	Box Qty	Custom VAS, Tray-Based Packaging			Custom VAS, T&R-Based Packaging	
							Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	Full Reel Quantity	Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)
iCE40™	ICE40LM1K	CBGA	TR1K	49	0.4	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
		CBGA		36	0.4	4900	Not Available	Not Available	Not Available	Not Available	Not Available
		CBGA		49	0.4	4900	Not Available	Not Available	Not Available	Not Available	Not Available
		WLCSP	TR	25	0.35	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
		WLCSP	TR1K	25	0.35	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
		WLCSP	TR1K	25	0.35	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
	ICE40LM2K	CBGA	TR1K	36	0.4	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
		CBGA	TR1K	49	0.4	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
		CBGA		36	0.4	4900	Not Available	Not Available	Not Available	Not Available	Not Available
		CBGA		49	0.4	4900	Not Available	Not Available	Not Available	Not Available	Not Available
		WLCSP	TR	25	0.35	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
		WLCSP	TR1K	25	0.35	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
	ICE40LM4K	CBGA	TR1K	36	0.4	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
		CBGA	TR1K	49	0.4	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
		CBGA		36	0.4	4900	Not Available	Not Available	Not Available	Not Available	Not Available
		CBGA		49	0.4	4900	Not Available	Not Available	Not Available	Not Available	Not Available
		WLCSP	TR	25	0.35	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
		WLCSP	TR1K	25	0.35	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
	ICE40LP1K	caBGA		36	0.4	4900	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
		CBGA	TR	36	0.4	Not Available	Not Available	Not Available	4000	Contact Factory	Contact Factory
		CBGA	TR	49	0.4	Not Available	Not Available	Not Available	4000	Contact Factory	Contact Factory
		CBGA	TR	81	0.4	Not Available	Not Available	Not Available	4000	Contact Factory	Contact Factory
		CBGA	TR	121	0.4	Not Available	Not Available	Not Available	3000	Contact Factory	Contact Factory
		CBGA	TR1K	36	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
		CBGA	TR1K	49	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
		CBGA	TR1K	81	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
		CBGA	TR1K	81	0.5	Not Available	Not Available	Not Available	1000	Not Available	Not Available
		CBGA	TR1K	121	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
		CBGA		36	0.4	4900	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
		CBGA		49	0.4	4900	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
		CBGA		81	0.4	4900	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
		CBGA		81	0.5	4900	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
		CBGA		121	0.4	4900	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
		CBGA		121	0.5	4900	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
		QFN		84	0.5	2600	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
		WLCSP	TR	16	0.35	Not Available	Not Available	Not Available	5000	Contact Factory	Contact Factory
		WLCSP	TR1K	16	0.35	Not Available	Not Available	Not Available	1000	Not Available	Not Available
		ICE40LP384	CBGA	TR	36	0.4	Not Available	Not Available	Not Available	4000	Contact Factory
	CBGA		TR	49	0.4	Not Available	Not Available	Not Available	4000	Contact Factory	Contact Factory
	CBGA		TR1K	36	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
	CBGA		TR1K	49	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
	CBGA			36	0.4	4900	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
CBGA			49	0.4	4900	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	

Product Family	Device	Package Type		Pins/ Balls	Pitch	Box Qty	Custom VAS, Tray-Based Packaging			Custom VAS, T&R-Based Packaging	
							Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	Full Reel Quantity	Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)
iCE40™	ICE40LP384	QFN	TR	32	0.5	Not Available	Not Available	Not Available	4000	Contact Factory	Contact Factory
		QFN	TR1K	32	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
		QFN		32	0.5	4900	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
	ICE40LP4K	CBGA	TR	81	0.4	Not Available	Not Available	Not Available	4000	Contact Factory	Contact Factory
		CBGA	TR	121	0.4	Not Available	Not Available	Not Available	3000	Contact Factory	Contact Factory
		CBGA	TR1K	81	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
		CBGA	TR1K	121	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
		CBGA		81	0.4	4900	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
		CBGA		121	0.4	4900	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
		CBGA		225	0.4	2600	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
	ICE40LP640	caBGA		36	0.4	4900	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
		WLCSP	TR	16	0.35	Not Available	Not Available	Not Available	5000	Contact Factory	Contact Factory
		WLCSP	TR1K	16	0.35	Not Available	Not Available	Not Available	1000	Not Available	Not Available
	ICE40LP8K	CBGA	TR	121	0.4	Not Available	Not Available	Not Available	3000	Contact Factory	Contact Factory
		CBGA	TR1K	121	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
		CBGA		81	0.4	4900	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
		CBGA		121	0.4	4900	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
		CBGA		225	0.4	2600	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
	ICE40UL1K	CBGA	TR	36	0.4	Not Available	Not Available	Not Available	4000	Contact Factory	Contact Factory
		CBGA	TR1K	36	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
		CBGA		36	0.4	4900	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
		WLCSP	TR	16	0.35	Not Available	Not Available	Not Available	5000	Contact Factory	Contact Factory
		WLCSP	TR1K	16	0.35	Not Available	Not Available	Not Available	1000	Not Available	Not Available
	ICE40UL640	CBGA	TR	36	0.4	Not Available	Not Available	Not Available	4000	Contact Factory	Contact Factory
		CBGA	TR1K	36	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
		CBGA		36	0.4	4900	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
		WLCSP	TR	16	0.35	Not Available	Not Available	Not Available	5000	Contact Factory	Contact Factory
		WLCSP	TR1K	16	0.35	Not Available	Not Available	Not Available	1000	Not Available	Not Available
	ICE40UP3K	WLCSP	TR	30	0.4	Not Available	Not Available	Not Available	5000	Contact Factory	Contact Factory
		WLCSP	TR1K	30	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
	ICE40UP5K	QFN	TR	48	0.5	Not Available	Not Available	Not Available	2000	Contact Factory	Contact Factory
		WLCSP	TR	30	0.4	Not Available	Not Available	Not Available	5000	Contact Factory	Contact Factory
		WLCSP	TR1K	30	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
	ICE5LP1K	CBGA	TR	36	0.4	Not Available	Not Available	Not Available	4000	Contact Factory	Contact Factory
		CBGA	TR1K	36	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
		QFN	TR	48	0.5	Not Available	Not Available	Not Available	2000	Contact Factory	Contact Factory
		WLCSP	TR	36	0.35	Not Available	Not Available	Not Available	5000	Contact Factory	Contact Factory
		WLCSP	TR1K	36	0.35	Not Available	Not Available	Not Available	1000	Not Available	Not Available
	ICE5LP2K	CBGA	TR	36	0.4	Not Available	Not Available	Not Available	4000	Contact Factory	Contact Factory
		CBGA	TR1K	36	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
		QFN	TR	48	0.5	Not Available	Not Available	Not Available	2000	Contact Factory	Contact Factory
		WLCSP	TR	36	0.35	Not Available	Not Available	Not Available	5000	Contact Factory	Contact Factory

Product Family	Device	Package Type		Pins/ Balls	Pitch	Box Qty	Custom VAS, Tray-Based Packaging			Custom VAS, T&R-Based Packaging	
							Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	Full Reel Quantity	Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)
iCE40™	ICE5LP2K	WLCSP	TR1K	36	0.35	Not Available	Not Available	Not Available	1000	Not Available	Not Available
	ICE5LP4K	CBGA	TR	36	0.4	Not Available	Not Available	Not Available	4000	Contact Factory	Contact Factory
		CBGA	TR1K	36	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
		QFN	TR	48	0.5	Not Available	Not Available	Not Available	2000	Contact Factory	Contact Factory
		WLCSP	TR	36	0.35	Not Available	Not Available	Not Available	5000	Contact Factory	Contact Factory
		WLCSP	TR1K	36	0.35	Not Available	Not Available	Not Available	1000	Not Available	Not Available
ispMACH® 4000	LA4032V	TQFP		44	0.8	800	16000	8000	1500	15000	7500
		TQFP		48	0.5	1250	15000	7500	2000	16000	8000
	LA4064V	TQFP		44	0.8	800	10400	4800	1500	10500	4500
		TQFP		48	0.5	1250	38750	5000	2000	10000	4000
	LC4032V	TQFP		100	0.5	450	31950	4500	1000	18000	4000
		TQFP		44	0.8	800	16000	8000	1500	15000	7500
	LC4064V	TQFP		48	0.5	1250	15000	7500	2000	16000	8000
		TQFP		44	0.8	800	10400	4800	1500	10500	4500
		TQFP		48	0.5	1250	38750	5000	2000	10000	4000
	LA4032ZC	TQFP		100	0.5	450	31950	4500	1000	18000	4000
		TQFP		48	0.5	1250	38750	8750	2000	18000	8000
		TQFP		48	0.5	1250	16250	5000	2000	10000	4000
	LA4064ZC	TQFP		100	0.5	450	10800	5400	1000	10000	5000
		TQFP		44	0.8	800	10400	4800	1500	10500	4500
	LC4032ZC	csBGA		56	0.5	1800	18000	9000	2000	18000	8000
		TQFP		48	0.5	1250	38750	8750	2000	18000	8000
	LC4032ZE	csBGA		64	0.5	2450	17150	7350	4000	28000	8000
		TQFP		48	0.5	1250	38750	8750	2000	18000	8000
	LC4064ZC	csBGA		56	0.5	1800	10800	5400	2000	10000	4000
		csBGA		132	0.5	1800	10800	5400	2000	10000	4000
		TQFP		48	0.5	1250	16250	5000	2000	10000	4000
		TQFP		100	0.5	450	10800	5400	1000	10000	5000
	LC4064ZE	csBGA		64	0.5	2450	26950	4900	4000	20000	4000
		csBGA		144	0.5	1800	10800	5400	2000	10000	4000
		TQFP		48	0.5	1250	16250	5000	2000	10000	4000
		TQFP		100	0.5	450	10800	5400	1000	10000	5000
	LA4128V	ucBGA		64	0.4	2450	26950	4900	4000	20000	4000
		TQFP		100	0.5	450	23850	2250	1000	14000	2000
		TQFP		128	0.4	450	23850	2250	1000	14000	2000
	LA4128ZC	TQFP		144	0.5	300	23700	2100	Contact Factory	Contact Factory	Contact Factory
		TQFP		100	0.5	450	11700	2700	1000	11000	2000
		TQFP		100	0.5	450	23850	2250	1000	14000	2000
	LC4128V	TQFP		128	0.4	450	23850	2250	1000	14000	2000
		TQFP		144	0.5	300	23700	2100	Contact Factory	Contact Factory	Contact Factory
		TQFP		100	0.5	450	23400	1800	2000	10000	2000
	LC4128ZC	TQFP		100	0.5	450	11700	2700	1000	11000	2000
		TQFP		144	0.5	300	23700	2100	Contact Factory	Contact Factory	Contact Factory
	LC4128ZE	csBGA		132	0.5	1800	23400	1800	2000	10000	2000
		TQFP		100	0.5	450	11700	2700	1000	11000	2000
	LC4128ZE	csBGA		144	0.5	1800	23400	1800	2000	10000	2000

Product Family	Device	Package Type	Pins/ Balls	Pitch	Box Qty	Custom VAS, Tray-Based Packaging			Custom VAS, T&R-Based Packaging		
						Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	Full Reel Quantity	Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	
ispMACH® 4000	LC4128ZE	TQFP	100	0.5	450	11700	2700	1000	11000	2000	
		TQFP	144	0.5	300	14700	2700	Contact Factory	Contact Factory	Contact Factory	
		ucBGA	132	0.4	1800	23400	1800	2000	10000	2000	
	LC4256V	ftBGA	256	1	450	11700	1350	1000	10000	1000	
		TQFP	100	0.5	450	11700	1350	1000	10000	1000	
		TQFP	144	0.5	300	11700	1500	Contact Factory	Contact Factory	Contact Factory	
		TQFP	176	0.5	200	13400	1600	Contact Factory	Contact Factory	Contact Factory	
	LC4256ZC	csBGA	132	0.5	1800	10800	1800	2000	10000	0	
		TQFP	100	0.5	450	15300	1800	1000	11000	1000	
		TQFP	176	0.5	200	13400	1800	Contact Factory	Contact Factory	Contact Factory	
	LC4256ZE	csBGA	144	0.5	1800	10800	1800	2000	10000	0	
		TQFP	100	0.5	450	15300	1800	1000	11000	1000	
		TQFP	144	0.5	300	15300	1800	Contact Factory	Contact Factory	Contact Factory	
	LC4384V	ftBGA	256	1	450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		TQFP	176	0.5	200	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	LC4512V	ftBGA	256	1	450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
TQFP		176	0.5	200	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory		
ispMACH® 4A3	M4A3-32/32	TQFP	44	0.8	800	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		TQFP	48	0.5	1250	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	M4A3-64/32	TQFP	44	0.8	800	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		TQFP	48	0.5	1250	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	M4A3-128/64	TQFP	100	0.5	450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	M4A3-64/64	TQFP	100	0.5	450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	M4A3-96/48	TQFP	100	0.5	450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	M4A3-192/96	TQFP	144	0.5	300	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	M4A3-256/128	fpBGA	256	1	450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		PQFP	208	0.5	120	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	M4A3-256/160	PQFP	208	0.5	120	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	M4A3-256/192	fpBGA	256	1	450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	M4A3-384/192	fpBGA	256	1	450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	M4A3-512/192	fpBGA	256	1	450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	M4A5-32/32	TQFP	44	0.8	800	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		TQFP	48	0.5	1250	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	M4A5-64/32	TQFP	44	0.8	800	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		TQFP	48	0.5	1250	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	M4A5-128/64	PQFP	100	0.65	330	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		TQFP	100	0.5	450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
M4A5-96/48	TQFP	100	0.5	450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory		
M4A5-192/96	TQFP	144	0.5	300	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory		
M4A5-256/128	PQFP	208	0.5	120	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory		
L-ASC10	L-ASC10	QFNS	TR	48	0.5	Not Available	Not Available	2000	Contact Factory	Contact Factory	
		QFNS		48	0.5	1300	Contact Factory	Contact Factory	Contact Factory	Contact Factory	

Product Family	Device	Package Type	Pins/ Balls	Pitch	Box Qty	Custom VAS, Tray-Based Packaging			Custom VAS, T&R-Based Packaging	
						Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	Full Reel Quantity	Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)
LatticeECP2M™	LFE2M20E	fpBGA	256	1	450	19800	900	1000	10000	1000
		fpBGA	484	1	300	11100	900	250	10000	1000
	LFE2M20SE	fpBGA	256	1	450	19800	900	1000	10000	1000
		fpBGA	484	1	300	11100	900	250	10000	1000
	LFE2M35E	fpBGA	256	1	450	11700	450	1000	10000	0
		fpBGA	484	1	300	13200	600	250	10500	500
		fpBGA	672	1	200	13200	600	250	10500	500
	LFE2M35SE	fpBGA	256	1	450	11700	450	1000	10000	0
		fpBGA	484	1	300	12000	600	250	10000	500
		fpBGA	672	1	200	10000	600	250	10000	500
	LFE2M50E	fpBGA	484	1	300	10500	300	250	10000	250
		fpBGA	672	1	200	12800	200	250	10000	250
		fpBGA	900	1	135	11475	270	Contact Factory	Contact Factory	Contact Factory
	LFE2M50SE	fpBGA	484	1	300	10500	300	250	10000	250
		fpBGA	672	1	200	12800	200	250	10000	250
		fpBGA	900	1	135	11475	270	Contact Factory	Contact Factory	Contact Factory
	LFE2M100E	fpBGA	900	1	135	10530	135	Contact Factory	Contact Factory	Contact Factory
		fpBGA	1152	1	120	10920	120	Contact Factory	Contact Factory	Contact Factory
	LFE2M100SE	fpBGA	900	1	135	10530	135	Contact Factory	Contact Factory	Contact Factory
		fpBGA	1152	1	120	10920	120	Contact Factory	Contact Factory	Contact Factory
LFE2M70E	fpBGA	900	1	135	10260	270	Contact Factory	Contact Factory	Contact Factory	
	fpBGA	1152	1	120	10800	240	Contact Factory	Contact Factory	Contact Factory	
LFE2M70SE	fpBGA	900	1	135	10260	270	Contact Factory	Contact Factory	Contact Factory	
	fpBGA	1152	1	120	10800	240	Contact Factory	Contact Factory	Contact Factory	
LatticeECP2™	LFE2-12E	fpBGA	256	1	450	14400	1800	1000	12000	2000
		fpBGA	484	1	300	18600	1800	250	10250	2000
		PQFP	208	0.5	120	18600	2040	Contact Factory	Contact Factory	Contact Factory
		TQFP	144	0.5	300	18600	1800	Contact Factory	Contact Factory	Contact Factory
	LFE2-12SE	fpBGA	256	1	450	14400	1800	1000	12000	2000
		fpBGA	484	1	300	18600	1800	250	10250	2000
		PQFP	208	0.5	120	18600	2040	Contact Factory	Contact Factory	Contact Factory
		TQFP	144	0.5	300	18600	1800	Contact Factory	Contact Factory	Contact Factory
	LFE2-6E	fpBGA	256	1	450	15300	3600	1000	15000	3000
		TQFP	144	0.5	300	19200	3600	Contact Factory	Contact Factory	Contact Factory
	LFE2-6SE	fpBGA	256	1	450	15300	3600	1000	15000	3000
		TQFP	144	0.5	300	19200	3600	Contact Factory	Contact Factory	Contact Factory
	LFE2-20E	fpBGA	256	1	450	14850	1350	1000	10000	1000
		fpBGA	484	1	300	14700	1200	250	10250	1250
		fpBGA	672	1	200	13400	1400	250	10250	1250
		PQFP	208	0.5	120	13440	1440	Contact Factory	Contact Factory	Contact Factory
	LFE2-20SE	fpBGA	256	1	450	14850	1350	1000	10000	1000
		fpBGA	484	1	300	14700	1200	250	10250	1250

Product Family	Device	Package Type	Pins/ Balls	Pitch	Box Qty	Custom VAS, Tray-Based Packaging			Custom VAS, T&R-Based Packaging		
						Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	Full Reel Quantity	Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	
LatticeECP2™	LFE2-20SE	fpBGA	672	1	200	13400	1400	250	10250	1250	
		PQFP	208	0.5	120	13440	1440	Contact Factory	Contact Factory	Contact Factory	
	LFE2-35E	fpBGA	484	1	300	13200	600	250	10500	750	
		fpBGA	672	1	200	13200	800	250	10500	750	
	LFE2-35SE	fpBGA	484	1	300	13200	600	250	10500	750	
		fpBGA	672	1	200	13200	800	250	10500	750	
	LFE2-50E	fpBGA	484	1	300	10800	600	250	10000	500	
		fpBGA	672	1	200	11600	600	250	10000	500	
	LFE2-50SE	fpBGA	484	1	300	10800	600	250	10000	500	
		fpBGA	672	1	200	11600	600	250	10000	500	
	LFE2-70E	fpBGA	672	1	200	11600	200	250	10500	250	
		fpBGA	900	1	135	11745	270	Contact Factory	Contact Factory	Contact Factory	
	LFE2-70SE	fpBGA	672	1	200	11600	200	250	10500	250	
		fpBGA	900	1	135	11745	270	Contact Factory	Contact Factory	Contact Factory	
LatticeECP3™	LAE3-17EA	csBGA	328	0.5	840	13440	1680	2000	10000	2000	
		fpBGA	484	1	300	13500	2100	250	11250	2250	
		ftBGA	256	1	450	11250	2250	1000	13000	2000	
	LAE3-35EA	fpBGA	484	1	300	10800	1200	250	10750	1250	
		fpBGA	672	1	200	13600	1200	250	10750	1250	
		ftBGA	256	1	450	10800	1350	1000	10000	1000	
	LFE3-17EA	csBGA	328	0.5	840	13440	1680	2000	10000	2000	
		fpBGA	484	1	300	13500	2100	250	11250	2250	
		ftBGA	256	1	450	11250	2250	1000	13000	2000	
	LFE3-35EA	fpBGA	484	1	300	10800	1200	250	10750	1250	
		fpBGA	672	1	200	13600	1200	250	10750	1250	
		ftBGA	256	1	450	10800	1350	1000	10000	1000	
	LFE3-70EA	fpBGA	484	1	300	10500	300	250	10500	500	
		fpBGA	672	1	200	12600	400	250	10500	500	
		fpBGA	1156	1	120	12600	480	Contact Factory	Contact Factory	Contact Factory	
	LFE3-95EA	fpBGA	484	1	300	10500	300	250	10500	500	
		fpBGA	672	1	200	12600	400	250	10500	500	
		fpBGA	1156	1	120	12600	480	Contact Factory	Contact Factory	Contact Factory	
	LFE3-150EA	fpBGA	672	1	200	10000	200	250	10000	250	
		fpBGA	1156	1	120	10080	240	Contact Factory	Contact Factory	Contact Factory	
	LatticeECP5™	LFE5U-12F	caBGA	256	0.8	595	19040	2975	1000	12000	3000
caBGA			381	0.8	450	12600	3150	Contact Factory	Contact Factory	Contact Factory	
fcCSP			285	0.5	840	15960	2520	Contact Factory	Contact Factory	Contact Factory	
LFE5U-25F		caBGA	256	0.8	595	15470	2975	1000	12000	3000	
		caBGA	381	0.8	450	24750	2700	Contact Factory	Contact Factory	Contact Factory	
		fcCSP	285	0.5	840	18480	2520	Contact Factory	Contact Factory	Contact Factory	
LFE5U-45F		caBGA	256	0.8	595	14875	1785	1000	11000	1000	
		caBGA	381	0.8	450	14850	1800	Contact Factory	Contact Factory	Contact Factory	

Product Family	Device	Package Type	Pins/ Balls	Pitch	Box Qty	Custom VAS, Tray-Based Packaging			Custom VAS, T&R-Based Packaging		
						Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	Full Reel Quantity	Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	
LatticeECP5™	LFE5U-45F	caBGA	554	0.8	300	18600	1800	Contact Factory	Contact Factory	Contact Factory	
		fcCSP	285	0.5	840	18480	1680	Contact Factory	Contact Factory	Contact Factory	
	LFE5U-85F	caBGA	381	0.8	450	14400	900	Contact Factory	Contact Factory	Contact Factory	
		caBGA	554	0.8	300	14400	900	Contact Factory	Contact Factory	Contact Factory	
		caBGA	756	0.8	200	14400	1000	Contact Factory	Contact Factory	Contact Factory	
	LFE5U-85F	fcCSP	285	0.5	840	18480	840	Contact Factory	Contact Factory	Contact Factory	
		LFE5UM-25F	caBGA	381	0.8	450	24750	2700	Contact Factory	Contact Factory	Contact Factory
	LFE5UM-25F	fcCSP	285	0.5	840	18480	2520	Contact Factory	Contact Factory	Contact Factory	
		LFE5UM-45F	caBGA	381	0.8	450	10800	1800	Contact Factory	Contact Factory	Contact Factory
	LFE5UM-45F	caBGA	554	0.8	300	14700	1800	Contact Factory	Contact Factory	Contact Factory	
		fcCSP	285	0.5	840	10920	1680	Contact Factory	Contact Factory	Contact Factory	
	LFE5UM5G-25F	caBGA	381	0.8	450	24750	2700	Contact Factory	Contact Factory	Contact Factory	
		fcCSP	285	0.5	840	18480	2520	Contact Factory	Contact Factory	Contact Factory	
	LFE5UM5G-45F	caBGA	381	0.8	450	10800	1800	Contact Factory	Contact Factory	Contact Factory	
		caBGA	554	0.8	300	14700	1800	Contact Factory	Contact Factory	Contact Factory	
		fcCSP	285	0.5	840	10920	1680	Contact Factory	Contact Factory	Contact Factory	
	LFE5UM5G-85F	caBGA	381	0.8	450	12150	900	Contact Factory	Contact Factory	Contact Factory	
		caBGA	554	0.8	300	10200	900	Contact Factory	Contact Factory	Contact Factory	
		caBGA	756	0.8	200	10200	1000	Contact Factory	Contact Factory	Contact Factory	
		fcCSP	285	0.5	840	10080	840	Contact Factory	Contact Factory	Contact Factory	
LFE5UM-85F		caBGA	381	0.8	450	14400	900	Contact Factory	Contact Factory	Contact Factory	
	caBGA	554	0.8	300	14400	900	Contact Factory	Contact Factory	Contact Factory		
	caBGA	756	0.8	200	14400	1000	Contact Factory	Contact Factory	Contact Factory		
	fcCSP	285	0.5	840	18480	840	Contact Factory	Contact Factory	Contact Factory		
LAESU-12F	caBGA	381	0.8	450	12600	3150	Contact Factory	Contact Factory	Contact Factory		
LAESUM-25F	caBGA	381	0.8	450	24750	2700	Contact Factory	Contact Factory	Contact Factory		
LAESUM-45F	caBGA	381	0.8	450	10800	1800	Contact Factory	Contact Factory	Contact Factory		
LatticeXP2™	LAXP2-5E	csBGA	132	0.5	1800	16200	1800	2000	12000	2000	
		ftBGA	256	1	450	29250	3150	1000	13000	3000	
		PQFP	208	0.5	120	22800	3240	Contact Factory	Contact Factory	Contact Factory	
		TQFP	144	0.5	300	22800	3000	Contact Factory	Contact Factory	Contact Factory	
	LAXP2-8E	csBGA	132	0.5	1800	19800	1800	2000	10000	2000	
		ftBGA	256	1	450	22050	1800	1000	13000	2000	
		PQFP	208	0.5	120	19920	2160	Contact Factory	Contact Factory	Contact Factory	
	LAXP2-8E	TQFP	144	0.5	300	17700	2100	Contact Factory	Contact Factory	Contact Factory	
		LFXP2-5E	csBGA	132	0.5	1800	16200	1800	2000	12000	2000
			ftBGA	256	1	450	29250	3150	1000	13000	3000
	PQFP		208	0.5	120	22800	3240	Contact Factory	Contact Factory	Contact Factory	
	TQFP		144	0.5	300	22800	3000	Contact Factory	Contact Factory	Contact Factory	
	LFXP2-8E	csBGA	132	0.5	1800	19800	1800	2000	10000	2000	
ftBGA		256	1	450	22050	1800	1000	13000	2000		
PQFP		208	0.5	120	19920	2160	Contact Factory	Contact Factory	Contact Factory		

Product Family	Device	Package Type		Pins/ Balls	Pitch	Box Qty	Custom VAS, Tray-Based Packaging		Full Reel Quantity	Custom VAS, T&R-Based Packaging	
							Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)		Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)
LatticeXP2™	LFXP2-8E	TQFP		144	0.5	300	17700	2100	Contact Factory	Contact Factory	Contact Factory
	LAXP2-17E	ftBGA		256	1	450	13050	900	1000	10000	1000
		PQFP		208	0.5	120	18720	1320	Contact Factory	Contact Factory	Contact Factory
	LFXP2-17E	fpBGA		484	1	300	12000	1200	250	10500	1250
		ftBGA		256	1	450	13050	900	1000	10000	1000
		PQFP		208	0.5	120	18720	1320	Contact Factory	Contact Factory	Contact Factory
	LFXP2-30E	fpBGA		484	1	300	10500	600	250	10500	750
		fpBGA		672	1	200	13600	600	250	10500	750
		ftBGA		256	1	450	11250	450	1000	10000	0
	LFXP2-40E	fpBGA		484	1	300	11700	300	250	10250	250
		fpBGA		672	1	200	13200	400	250	10250	250
	MachXO2™	LCMXO2-1200ZE	csBGA		132	0.5	1800	48600	9000	2000	18000
QFN				32	0.5	2450	17150	7350	4000	28000	8000
TQFP				100	0.5	450	29250	9450	1000	19000	9000
TQFP				144	0.5	300	19500	9600	Contact Factory	Contact Factory	Contact Factory
WLCSP			TR	25	0.4	Not Available	Not Available	Not Available	5000	Contact Factory	Contact Factory
WLCSP			TR	36	0.4	Not Available	Not Available	Not Available	5000	Contact Factory	Contact Factory
WLCSP			TR1K	25	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
WLCSP			TR1K	36	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
LCMXO2-1200HC		csBGA		132	0.5	1800	46800	9000	2000	18000	8000
		QFN		32	0.5	2450	17150	7350	4000	28000	8000
		TQFP		100	0.5	450	18450	9000	1000	18000	9000
		TQFP		144	0.5	300	18600	9300	Contact Factory	Contact Factory	Contact Factory
LCMXO2-256HC		csBGA		132	0.5	1800	37800	18000	2000	18000	18000
		QFN		48	0.5	1300	39000	19500	2000	18000	18000
		QFNS		32	0.5	2450	19600	19600	4000	36000	16000
		TQFP		100	0.5	450	39150	19350	1000	19000	19000
		ucBGA		64	0.4	2450	19600	19600	4000	36000	16000
LCMXO2-256ZE		csBGA		132	0.5	1800	37800	18000	2000	18000	18000
		QFNS		32	0.5	2450	19600	19600	4000	36000	16000
		TQFP		100	0.5	450	39150	19350	1000	19000	19000
		ucBGA		64	0.4	2450	19600	19600	4000	36000	16000
LCMXO2-640HC		csBGA		132	0.5	1800	27000	12600	2000	12000	12000
		QFN		48	0.5	1300	27300	13000	2000	12000	12000
		TQFP		100	0.5	450	27450	13500	1000	13000	13000
LCMXO2-2000ZE		caBGA		256	0.8	595	18445	5950	1000	12000	6000
		csBGA		132	0.5	1800	30600	5400	2000	12000	6000
		ftBGA		256	1	450	18450	5850	1000	12000	6000
		TQFP		100	0.5	450	18450	5850	1000	12000	6000
		TQFP		144	0.5	300	12300	6000	Contact Factory	Contact Factory	Contact Factory
		WLCSP	TR	49	0.4	Not Available	Not Available	Not Available	5000	Contact Factory	Contact Factory
		WLCSP	TR1K	49	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available

Product Family	Device	Package Type		Pins/ Balls	Pitch	Box Qty	Custom VAS, Tray-Based Packaging			Custom VAS, T&R-Based Packaging	
							Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	Full Reel Quantity	Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)
MachXO2™	LCMXO2-4000ZE	caBGA		256	0.8	595	21420	4165	1000	17000	4000
		caBGA		332	0.8	450	17100	4050	1000	17000	4000
		csBGA		132	0.5	1800	34200	3600	2000	12000	4000
		fpBGA		484	1	300	17100	4200	250	12750	4250
		ftBGA		256	1	450	17100	4050	1000	17000	4000
		QFN		84	0.5	2600	33800	2600	2000	12000	4000
		TQFP		144	0.5	300	17100	4200	Contact Factory	Contact Factory	Contact Factory
		WLCSP	TR	81	0.4	Not Available	Not Available	Not Available	4000	Contact Factory	Contact Factory
	WLCSP	TR1K	81	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available	
	LCMXO2-4000HC	caBGA		256	0.8	595	36890	3570	1000	16000	4000
		caBGA		332	0.8	450	36900	4050	1000	16000	4000
		csBGA		132	0.5	1800	16200	3600	2000	12000	4000
		fpBGA		484	1	300	12300	3900	250	12250	4000
		ftBGA		256	1	450	36900	4050	1000	16000	4000
		QFN		84	0.5	2600	28600	2600	2000	12000	4000
		TQFP		144	0.5	300	12300	3900	Contact Factory	Contact Factory	Contact Factory
	LCMXO2-2000HC	caBGA		256	0.8	595	11305	5355	1000	11000	5000
		csBGA		132	0.5	1800	41400	5400	2000	10000	4000
		ftBGA		256	1	450	41400	5850	1000	11000	5000
		TQFP		100	0.5	450	41400	5850	1000	11000	5000
	LCMXO2-2000HE	TQFP		144	0.5	300	41400	5700	Contact Factory	Contact Factory	Contact Factory
		caBGA		256	0.8	595	11305	5355	1000	11000	5000
		csBGA		132	0.5	1800	41400	5400	2000	10000	4000
		ftBGA		256	1	450	41400	5850	1000	11000	5000
	LCMXO2-640ZE	TQFP		100	0.5	450	41400	5850	1000	11000	5000
		TQFP		144	0.5	300	41400	5700	Contact Factory	Contact Factory	Contact Factory
		csBGA		132	0.5	1800	27000	12600	2000	12000	12000
		TQFP		100	0.5	450	27450	13500	1000	13000	13000
	LCMXO2-4000HE	caBGA		256	0.8	595	36890	3570	1000	16000	4000
		caBGA		332	0.8	450	36900	4050	1000	16000	4000
		csBGA		132	0.5	1800	16200	3600	2000	12000	4000
		csBGA		184	0.5	1800	16200	3600	2000	12000	4000
		fpBGA		484	1	300	12300	3900	250	12250	4000
		ftBGA		256	1	450	36900	4050	1000	16000	4000
	LCMXO2-640UHC	TQFP		144	0.5	300	12300	3900	Contact Factory	Contact Factory	Contact Factory
		TQFP		144	0.5	300	18600	9300	Contact Factory	Contact Factory	Contact Factory
	LCMXO2-7000HC	caBGA		256	0.8	595	29155	2380	1000	11000	2000
		caBGA		332	0.8	450	11700	2700	1000	11000	2000
		fpBGA		484	1	300	11700	2700	250	11500	2750
		ftBGA		256	1	450	11700	2700	1000	11000	2000
	LCMXO2-7000HE	TQFP		144	0.5	300	11700	2700	Contact Factory	Contact Factory	Contact Factory
		caBGA		256	0.8	595	29155	2380	1000	11000	2000

Product Family	Device	Package Type	Pins/ Balls	Pitch	Box Qty	Custom VAS, Tray-Based Packaging			Custom VAS, T&R-Based Packaging		
						Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	Full Reel Quantity	Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	
MachXO2™	LCMXO2-7000HE	caBGA	332	0.8	450	11700	2700	1000	11000	2000	
		fpBGA	484	1	300	11700	2700	250	11500	2750	
		ftBGA	256	1	450	11700	2700	1000	11000	2000	
		TQFP	144	0.5	300	11700	2700	Contact Factory	Contact Factory	Contact Factory	
	LCMXO2-7000ZE	caBGA	256	0.8	595	29155	2380	1000	11000	2000	
		caBGA	332	0.8	450	11700	2700	1000	11000	2000	
		fpBGA	484	1	300	11700	2700	250	11500	2750	
		ftBGA	256	1	450	11700	2700	1000	11000	2000	
		TQFP	144	0.5	300	11700	2700	Contact Factory	Contact Factory	Contact Factory	
	LCMXO2-1200UHC	ftBGA	256	1	450	35550	5850	1000	11000	5000	
LCMXO2-2000UHC	fpBGA	484	1	300	12300	3900	250	12250	4000		
LCMXO2-2000UHE	fpBGA	484	1	300	12300	3900	250	12250	4000		
MachXO3D™	LCMXO3D-4300HC	caBGA	256	0.8	595	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		QFNS	72	0.5	840	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	LCMXO3D-4300ZC	caBGA	256	0.8	595	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		QFNS	72	0.5	840	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	LCMXO3D-9400HC	caBGA	256	0.8	595	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		caBGA	400	0.8	450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		caBGA	484	0.8	420	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		QFNS	72	0.5	840	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	LCMXO3D-9400ZC	caBGA	256	0.8	595	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		caBGA	400	0.8	450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		QFNS	72	0.5	840	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	LAMXO3D-4300HC	caBGA	256	0.8	595	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	LAMXO3D-9400HE	caBGA	256	0.8	595	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		caBGA	484	0.8	420	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	LAMXO3D-9400ZC	caBGA	256	0.8	595	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		caBGA	484	0.8	420	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
MachXO3™	LCMXO3L-1300E	CBGA	121	0.5	2450	17150	7350	2000	18000	8000	
		CBGA	256	0.5	1300	10400	5200	2000	10000	4000	
		WLCSP	TR	36	0.4	Not Available	Not Available	Not Available	5000	Contact Factory	Contact Factory
		WLCSP	TR1K	36	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
	LCMXO3LF-1300E	CBGA	121	0.5	2450	17150	7350	2000	18000	8000	
		CBGA	256	0.5	1300	10400	5200	2000	10000	4000	
		WLCSP	TR	36	0.4	Not Available	Not Available	Not Available	5000	Contact Factory	Contact Factory
		WLCSP	TR1K	36	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
	LCMXO3L-2100E	CBGA	121	0.5	2450	12250	4900	2000	12000	6000	
		CBGA	256	0.5	1300	42900	5200	2000	12000	6000	
		CBGA	324	0.5	840	36120	5880	Contact Factory	Contact Factory	Contact Factory	
		WLCSP	TR	49	0.4	Not Available	Not Available	Not Available	5000	Contact Factory	Contact Factory
		WLCSP	TR1K	49	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
LCMXO3LF-2100E	CBGA	121	0.5	2450	12250	4900	2000	12000	6000		

Product Family	Device	Package Type		Pins/ Balls	Pitch	Box Qty	Custom VAS, Tray-Based Packaging			Custom VAS, T&R-Based Packaging	
							Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	Full Reel Quantity	Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)
MachXO3™	LCMXO3LF-2100E	CBGA		256	0.5	1300	42900	5200	2000	12000	6000
		CBGA		324	0.5	840	36120	5880	Contact Factory	Contact Factory	Contact Factory
		WLCSP	TR	49	0.4	Not Available	Not Available	Not Available	5000	Contact Factory	Contact Factory
		WLCSP	TR1K	49	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
	LCMXO3L-4300E	CBGA		121	0.5	2450	29400	2450	2000	12000	4000
		CBGA		256	0.5	1300	29900	3900	2000	12000	4000
		CBGA		324	0.5	840	42840	4200	Contact Factory	Contact Factory	Contact Factory
		WLCSP	TR	81	0.4	Not Available	Not Available	Not Available	4000	Contact Factory	Contact Factory
	LCMXO3LF-4300E	WLCSP	TR1K	81	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
		CBGA		121	0.5	2450	29400	2450	2000	12000	4000
		CBGA		256	0.5	1300	29900	3900	2000	12000	4000
		CBGA		324	0.5	840	42840	4200	Contact Factory	Contact Factory	Contact Factory
	LCMXO3L-640E	WLCSP	TR	81	0.4	Not Available	Not Available	Not Available	4000	Contact Factory	Contact Factory
		WLCSP	TR1K	81	0.4	Not Available	Not Available	Not Available	1000	Not Available	Not Available
		CBGA		121	0.5	2450	26950	12250	2000	14000	14000
		CBGA		256	0.5	1300	29900	3900	2000	12000	4000
	LCMXO3LF-640E	CBGA		121	0.5	2450	26950	12250	2000	14000	14000
	LCMXO3L-1300C	caBGA		256	0.8	595	29155	5355	1000	11000	5000
	LCMXO3L-2100C	caBGA		256	0.8	595	42245	5950	1000	12000	6000
		caBGA		324	0.8	630	42210	5670	Contact Factory	Contact Factory	Contact Factory
	LCMXO3L-4300C	caBGA		256	0.8	595	12495	4165	1000	16000	4000
		caBGA		324	0.8	630	12600	3780	Contact Factory	Contact Factory	Contact Factory
		caBGA		400	0.8	450	12600	4050	Contact Factory	Contact Factory	Contact Factory
	LCMXO3L-6900C	caBGA		256	0.8	595	29155	2380	1000	11000	2000
		caBGA		324	0.8	630	23310	2520	Contact Factory	Contact Factory	Contact Factory
		caBGA		400	0.8	450	11700	2700	Contact Factory	Contact Factory	Contact Factory
	LCMXO3L-6900E	CBGA		256	0.5	1300	11700	2600	2000	10000	2000
		CBGA		324	0.5	840	26040	2520	Contact Factory	Contact Factory	Contact Factory
	LCMXO3L-9400C	caBGA		256	0.8	595	11305	1785	1000	13000	2000
		caBGA		400	0.8	450	11250	2250	Contact Factory	Contact Factory	Contact Factory
		caBGA		484	0.8	420	15960	2100	500	13500	2000
	LCMXO3L-9400E	caBGA		256	0.8	595	11305	1785	1000	13000	2000
		caBGA		400	0.8	450	11250	2250	Contact Factory	Contact Factory	Contact Factory
		caBGA		484	0.8	420	15960	2100	500	13500	2000
		CBGA		256	0.5	1300	18200	1300	2000	10000	2000
	LCMXO3LF-1300C	caBGA		256	0.8	595	29155	5355	1000	11000	5000
	LCMXO3LF-2100C	caBGA		256	0.8	595	42245	5950	1000	12000	6000
		caBGA		324	0.8	630	42210	5670	Contact Factory	Contact Factory	Contact Factory
	LCMXO3LF-4300C	caBGA		256	0.8	595	12495	4165	1000	16000	4000
		caBGA		324	0.8	630	12600	3780	Contact Factory	Contact Factory	Contact Factory
caBGA			400	0.8	450	12600	4050	Contact Factory	Contact Factory	Contact Factory	
LCMXO3LF-6900C	caBGA		256	0.8	595	29155	2380	1000	11000	2000	
	caBGA		324	0.8	630	23310	2520	Contact Factory	Contact Factory	Contact Factory	

Product Family	Device	Package Type	Pins/ Balls	Pitch	Box Qty	Custom VAS, Tray-Based Packaging			Custom VAS, T&R-Based Packaging		
						Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	Full Reel Quantity	Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	
MachXO3™	LCMXO3LF-6900C	caBGA	400	0.8	450	11700	2700	Contact Factory	Contact Factory	Contact Factory	
	LCMXO3LF-6900E	CBGA	256	0.5	1300	11700	2600	2000	10000	2000	
		CBGA	324	0.5	840	26040	2520	Contact Factory	Contact Factory	Contact Factory	
	LCMXO3LF-9400C	caBGA	256	0.8	595	11305	1785	1000	13000	2000	
		caBGA	400	0.8	450	11250	2250	Contact Factory	Contact Factory	Contact Factory	
		caBGA	484	0.8	420	15960	2100	500	13500	2000	
	LCMXO3LF-9400E	caBGA	256	0.8	595	11305	1785	1000	13000	2000	
		caBGA	400	0.8	450	11250	2250	Contact Factory	Contact Factory	Contact Factory	
		caBGA	484	0.8	420	15960	2100	500	13500	2000	
		CBGA	256	0.5	1300	18200	1300	2000	10000	2000	
	LAMXO3LF-1300E	caBGA	256	0.8	595	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	LAMXO3LF-1300C	caBGA	256	0.8	595	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	LAMXO3LF-2100E	caBGA	256	0.8	595	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		caBGA	324	0.8	630	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	LAMXO3LF-2100C	caBGA	256	0.8	595	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		caBGA	324	0.8	630	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
	LAMXO3LF-4300E	caBGA	256	0.8	595	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
		caBGA	324	0.8	630	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory	
LAMXO3LF-4300C	caBGA	256	0.8	595	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory		
	caBGA	324	0.8	630	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory		
MachXO™	LAMXO1200E	ftBGA	256	1	450	32850	5400	1000	10000	5000	
		TQFP	100	0.5	450	32850	5400	1000	10000	5000	
		TQFP	144	0.5	300	21900	5400	Contact Factory	Contact Factory	Contact Factory	
	LAMXO2280E	ftBGA	256	1	450	30150	3150	1000	13000	3000	
		ftBGA	324	1	420	10080	3360	500	13000	3000	
		TQFP	100	0.5	450	30150	3150	1000	13000	3000	
		TQFP	144	0.5	300	16800	3300	Contact Factory	Contact Factory	Contact Factory	
	LAMXO256C	TQFP	100	0.5	450	31050	15300	1000	15000	15000	
	LAMXO256E	TQFP	100	0.5	450	31050	15300	1000	15000	15000	
	LAMXO640C	ftBGA	256	1	450	17550	8550	1000	17000	8000	
		TQFP	100	0.5	450	17550	8550	1000	17000	8000	
		TQFP	144	0.5	300	35100	8700	Contact Factory	Contact Factory	Contact Factory	
	LAMXO640E	ftBGA	256	1	450	17550	8550	1000	17000	8000	
		TQFP	100	0.5	450	17550	8550	1000	17000	8000	
		TQFP	144	0.5	300	35100	8700	Contact Factory	Contact Factory	Contact Factory	
	LCMXO1200C	caBGA	256	0.8	595	27370	5355	1000	10000	5000	
		csBGA	132	0.5	1800	10800	5400	2000	10000	4000	
		ftBGA	256	1	450	32850	5400	1000	10000	5000	
TQFP		100	0.5	450	32850	5400	1000	10000	5000		
LCMXO1200E	TQFP	144	0.5	300	21900	5400	Contact Factory	Contact Factory	Contact Factory		
	caBGA	256	0.8	595	27370	5355	1000	10000	5000		
	csBGA	132	0.5	1800	10800	5400	2000	10000	4000		

Product Family	Device	Package Type	Pins/ Balls	Pitch	Box Qty	Custom VAS, Tray-Based Packaging			Custom VAS, T&R-Based Packaging	
						Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	Full Reel Quantity	Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)
MachXO™	LCMX01200E	ftBGA	256	1	450	32850	5400	1000	10000	5000
		TQFP	100	0.5	450	32850	5400	1000	10000	5000
		TQFP	144	0.5	300	21900	5400	Contact Factory	Contact Factory	Contact Factory
	LCMX02280C	caBGA	256	0.8	595	26775	2975	1000	13000	3000
		csBGA	132	0.5	1800	23400	1800	2000	10000	2000
		ftBGA	256	1	450	30150	3150	1000	13000	3000
		ftBGA	324	1	420	10080	3360	500	13000	3000
		TQFP	100	0.5	450	30150	3150	1000	13000	3000
		TQFP	144	0.5	300	16800	3300	Contact Factory	Contact Factory	Contact Factory
		TQFP	144	0.5	300	16800	3300	Contact Factory	Contact Factory	Contact Factory
	LCMX02280E	caBGA	256	0.8	595	26775	2975	1000	13000	3000
		csBGA	132	0.5	1800	23400	1800	2000	10000	2000
		ftBGA	256	1	450	30150	3150	1000	13000	3000
		ftBGA	324	1	420	10080	3360	500	13000	3000
		TQFP	100	0.5	450	30150	3150	1000	13000	3000
	LCMX0256C	TQFP	144	0.5	300	16800	3300	Contact Factory	Contact Factory	Contact Factory
		TQFP	144	0.5	300	16800	3300	Contact Factory	Contact Factory	Contact Factory
	LCMX0256E	csBGA	100	0.5	1800	30600	14400	2000	14000	14000
		TQFP	100	0.5	450	31050	15300	1000	15000	15000
	LCMX0640C	csBGA	100	0.5	1800	30600	14400	2000	14000	14000
		TQFP	100	0.5	450	31050	15300	1000	15000	15000
		caBGA	256	0.8	595	35105	8330	1000	17000	8000
		csBGA	100	0.5	1800	16200	7200	2000	16000	8000
		csBGA	132	0.5	1800	16200	7200	2000	16000	8000
		ftBGA	256	1	450	17550	8550	1000	17000	8000
		TQFP	100	0.5	450	17550	8550	1000	17000	8000
	LCMX0640E	TQFP	144	0.5	300	35100	8700	Contact Factory	Contact Factory	Contact Factory
		caBGA	256	0.8	595	35105	8330	1000	17000	8000
		csBGA	100	0.5	1800	16200	7200	2000	16000	8000
		csBGA	132	0.5	1800	16200	7200	2000	16000	8000
ftBGA		256	1	450	17550	8550	1000	17000	8000	
TQFP		100	0.5	450	17550	8550	1000	17000	8000	
TQFP		144	0.5	300	35100	8700	Contact Factory	Contact Factory	Contact Factory	
Platform Manager™	LPTM10-12107	ftBGA	208	1	450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
	LPTM10-1247	TQFP	128	0.4	450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
Platform Manager™ 2	LPTM21	ftBGA	237	1	450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
	LPTM21L	BGA	100	0.8	840	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
Power Manager II	PWR1014	TQFP	48	0.5	1250	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
	PWR1014A	TQFP	48	0.5	1250	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
	PWR1220AT8	TQFP	100	0.5	450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
	PWR605	QFNS	24	0.5	2800	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
	PWR607	QFNS	24	0.5	2800	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
		QFNS	32	0.5	2450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
	PWR6AT6	QFNS	32	0.5	2450	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory

						Custom VAS, Tray-Based Packaging			Custom VAS, T&R-Based Packaging		
Product Family	Device	Package Type		Pins/ Balls	Pitch	Box Qty	Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)	Full Reel Quantity	Custom Product Order Minimum (Min PO Qty)	Incremental Order Qty (IOQ)
Power Manager II	LA-ispPAC-POWR1014	TQFP		48	0.5	1250	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory
	LA-ispPAC-POWR1014A	TQFP		48	0.5	1250	Contact Factory	Contact Factory	Contact Factory	Contact Factory	Contact Factory