

September 28, 2020

**Subject: PCN#01A-20 Notification of Removal of Device Backside Mark on all Lattice QFP Products**

Dear Lattice Customer,









Lattice is providing this notification of our intent to remove the backside marking for Lattice Quad Flat Pack (QFP) products. The backside marking removal will be a gradual transition until existing inventories have been exhausted. The manufacturing process will be changed on or after December 28, 2020 and the realization of the removal by the customer will be a gradual transition over time, depending on the individual products' inventory levels.

Backside marking consists of the Date Code (YYWW) and Assembly Lot number. These are both being marked in package assembly. Currently, backside marking is utilized only for internal traceability. The device and assembly lot will maintain traceability with the Inspection Lot (topside lot number). The change is aimed to standardize with current industry practices.

- **CURRENT SAMPLE MARKING**

Backside marking removal changes in this PCN apply to all affected Lattice QFP devices.

**Table 1.** Sample of affected package types

<b>TQFP 48 7X7</b>		<b>TQFP 44 10X10</b>	
Backside	Topside	Backside	Topside
			
<b>LQFP 100 14X14</b>		<b>LQFP 144 20X20</b>	
Backside	Topside	Backside	Topside
			

**Effects to Customer Design**

There will be no change in form, fit and function of the affected products. There will be no impact on customer designs.

## Affected Products

Marking changes in this PCN apply to all affected Lattice QFP devices. The Ordering Part Numbers (OPNs) affected by this PCN are listed in an Excel spreadsheet [here](#). This PCN also affects any custom devices (i.e. factory programmed, special test, tape and reel, non-standard speed grade and package, etc.), which are derived from any of the devices listed in the table.

**Table 2.** Affected package types

Leadcount / Package Size	LQFP	PQFP	TQFP
<b>44L</b>			
10x10mm			Yes
<b>48L</b>			
7x7mm	Yes		Yes
<b>100L</b>			
14X14mm	Yes		Yes
14x20mm		Yes	
<b>128L</b>			
14x14mm	Yes		
<b>144L</b>			
20x20mm	Yes		
<b>176L</b>			
24x24mm	Yes		
<b>208L</b>			
28x28mm		Yes	

## **TIMING**

This change is effective 90 days after the date of this notice. As stated earlier, specific conversions will be a function of existing inventories.

## **RESPONSE**

No response is required.

Lattice PCNs are available on the [Lattice website](#). Please sign up to receive e-mail PCN alerts by registering [here](#). If you already have a Lattice web account and wish to receive PCN alerts, you can do so by logging into your account and making edits to your subscription options.

## **CONTACT**

If you have any questions or require additional information, please contact [pcn@latticesemi.com](mailto:pcn@latticesemi.com).

Sincerely,

Lattice Semiconductor PCN Administration

Row Labels	Leads (of physical package)	Opn
PQFP	208	ispGDX160VA-3Q208
LQFP	44	ispLSI 1016E-100LTN44
LQFP	44	ispLSI 1016E-80LTN44
LQFP	44	ispLSI 2032A-80LTN44
LQFP	128	ispLSI 5128VE-180LT128
LQFP	48	ispPAC-CLK5304S-01TN48C
LQFP	48	ispPAC-CLK5304S-01TN48I
LQFP	48	ispPAC-CLK5308S-01TN48C
LQFP	48	ispPAC-CLK5312S-01TN48C
LQFP	48	ispPAC-CLK5312S-01TN48I
LQFP	48	ispPAC-CLK5510V-01T48I
LQFP	100	ispPAC-CLK5520V-01TN100I
LQFP	48	ispPAC-CLK5610AV-01T48I
LQFP	48	ispPAC-CLK5610AV-01TN48C
LQFP	48	ispPAC-CLK5610AV-01TN48I
LQFP	48	ispPAC-CLK5610V-01TN48I
LQFP	100	ispPAC-CLK5620AV-01TN100C
LQFP	100	ispPAC-CLK5620AV-01TN100I
LQFP	100	ispPAC-CLK5620V-01TN100C
LQFP	48	ispPAC-POWR1014-01TN48I
LQFP	48	ispPAC-POWR1014-02TN48I
LQFP	48	ispPAC-POWR1014A-01TN48I
LQFP	48	ispPAC-POWR1014A-02TN48I
LQFP	100	ispPAC-POWR1220AT8-01T100I
LQFP	100	ispPAC-POWR1220AT8-01TN100I
LQFP	100	ispPAC-POWR1220AT8-02TN100I
TQFP	44	LA4032V-75TN44E
TQFP	48	LA4032V-75TN48E
TQFP	48	LA4032ZC-75TN48E
LQFP	100	LA4064V-75TN100E
TQFP	44	LA4064V-75TN44E
TQFP	48	LA4064V-75TN48E
LQFP	100	LA4064ZC-75TN100E
TQFP	48	LA4064ZC-75TN48E
LQFP	100	LA4128V-75TN100E
LQFP	128	LA4128V-75TN128E
LQFP	144	LA4128V-75TN144E
LQFP	100	LA4128ZC-75TN100E
LQFP	48	LA-ispPAC-POWR1014-01TN48E
LQFP	48	LA-ispPAC-POWR1014A-01TN48E
LQFP	100	LAMXO1200E-3TN100E
LQFP	144	LAMXO1200E-3TN144E
LQFP	100	LAMXO2280E-3TN100E
LQFP	144	LAMXO2280E-3TN144E
LQFP	100	LAMXO256C-3TN100E
LQFP	100	LAMXO256E-3TN100E

LQFP	100	LAMXO640C-3TN100E
LQFP	144	LAMXO640C-3TN144E
LQFP	100	LAMXO640E-3TN100E
LQFP	144	LAMXO640E-3TN144E
PQFP	208	LAXP2-17E-5QN208E
PQFP	208	LAXP2-5E-5QN208E
LQFP	144	LAXP2-5E-5TN144E
PQFP	208	LAXP2-8E-5QN208E
LQFP	144	LAXP2-8E-5TN144E
TQFP	44	LC4032C-10TN44I
TQFP	44	LC4032C-75TN44C
TQFP	44	LC4032V-5TN44C
TQFP	44	LC4032V-75TN44I
TQFP	48	LC4032V-5TN48C
TQFP	48	LC4032V-75TN48I
TQFP	44	LC4032V-25TN44C
TQFP	44	LC4032V-5TN44I
TQFP	48	LC4032V-25TN48C
TQFP	48	LC4032V-5TN48I
TQFP	44	LC4032V-10TN44I
TQFP	44	LC4032V-75TN44C
TQFP	48	LC4032V-75TN48E
TQFP	44	LC4032V-75TN44E
TQFP	48	LC4032V-10TN48I
TQFP	48	LC4032V-75TN48C
TQFP	48	LC4032ZC-35TN48C
TQFP	48	LC4032ZC-5TN48C
TQFP	48	LC4032ZC-5TN48I
TQFP	48	LC4032ZC-75TN48C
TQFP	48	LC4032ZC-75TN48E
TQFP	48	LC4032ZC-75TN48I
TQFP	48	LC4032ZE-4TN48C
TQFP	48	LC4032ZE-5TN48C
TQFP	48	LC4032ZE-5TN48I
TQFP	48	LC4032ZE-7TN48C
TQFP	48	LC4032ZE-7TN48I
TQFP	48	LC4064C-5TN48C
TQFP	48	LC4064C-75TN48I
LQFP	100	LC4064V-10TN100I
TQFP	44	LC4064V-10TN44I
TQFP	48	LC4064V-10TN48I
TQFP	100	LC4064V-25TN100C
TQFP	44	LC4064V-25TN44C
TQFP	48	LC4064V-25TN48C
TQFP	100	LC4064V-5TN100C
TQFP	100	LC4064V-5TN100I
TQFP	44	LC4064V-5TN44C

TQFP	44	LC4064V-5TN44I
TQFP	48	LC4064V-5TN48C
TQFP	48	LC4064V-5TN48I
TQFP	100	LC4064V-75TN100C
TQFP	100	LC4064V-75TN100E
TQFP	100	LC4064V-75TN100I
TQFP	44	LC4064V-75TN44C
TQFP	44	LC4064V-75TN44E
TQFP	44	LC4064V-75TN44I
TQFP	48	LC4064V-75TN48C
TQFP	48	LC4064V-75TN48E
TQFP	48	LC4064V-75TN48I
LQFP	100	LC4064ZC-37TN100C
TQFP	48	LC4064ZC-37TN48C
TQFP	100	LC4064ZC-5TN100C
TQFP	100	LC4064ZC-5TN100I
TQFP	48	LC4064ZC-5TN48C
TQFP	48	LC4064ZC-5TN48I
TQFP	100	LC4064ZC-75TN100C
LQFP	100	LC4064ZC-75TN100E
LQFP	100	LC4064ZC-75TN100I
TQFP	48	LC4064ZC-75TN48C
TQFP	48	LC4064ZC-75TN48E
TQFP	48	LC4064ZC-75TN48I
TQFP	100	LC4064ZE-4TN100C
TQFP	48	LC4064ZE-4TN48C
LQFP	100	LC4064ZE-5TN100C
LQFP	100	LC4064ZE-5TN100I
TQFP	48	LC4064ZE-5TN48C
TQFP	48	LC4064ZE-5TN48I
TQFP	100	LC4064ZE-7TN100C
TQFP	100	LC4064ZE-7TN100I
TQFP	48	LC4064ZE-7TN48C
TQFP	48	LC4064ZE-7TN48I
LQFP	100	LC4128C-5T100C
LQFP	100	LC4128C-75T100C
TQFP	100	LC4128V-10TN100I
LQFP	128	LC4128V-10TN128I
LQFP	144	LC4128V-10TN144I
LQFP	100	LC4128V-27TN100C
LQFP	128	LC4128V-27TN128C
LQFP	144	LC4128V-27TN144C
LQFP	100	LC4128V-5TN100C
LQFP	100	LC4128V-5TN100I
LQFP	128	LC4128V-5TN128C
LQFP	128	LC4128V-5TN128I
LQFP	144	LC4128V-5TN144C

LQFP	144	LC4128V-5TN144I
LQFP	100	LC4128V-75T100E
LQFP	100	LC4128V-75TN100C
LQFP	100	LC4128V-75TN100E
LQFP	100	LC4128V-75TN100I
LQFP	128	LC4128V-75TN128C
LQFP	128	LC4128V-75TN128E
LQFP	128	LC4128V-75TN128I
LQFP	144	LC4128V-75TN144C
LQFP	144	LC4128V-75TN144E
LQFP	144	LC4128V-75TN144I
LQFP	100	LC4128ZC-42TN100C
LQFP	100	LC4128ZC-75TN100C
LQFP	100	LC4128ZC-75TN100E
LQFP	100	LC4128ZC-75TN100I
LQFP	100	LC4128ZE-5TN100C
LQFP	144	LC4128ZE-5TN144C
LQFP	100	LC4128ZE-7TN100C
LQFP	100	LC4128ZE-7TN100I
LQFP	144	LC4128ZE-7TN144C
LQFP	144	LC4128ZE-7TN144I
LQFP	100	LC4256V-3TN100C
LQFP	100	LC4256V-5TN100I
LQFP	144	LC4256V-3TN144C
LQFP	144	LC4256V-5TN144I
LQFP	176	LC4256V-3TN176C
LQFP	176	LC4256V-5TN176I
LQFP	100	LC4256V-5TN100C
LQFP	100	LC4256V-75TN100I
LQFP	144	LC4256V-5TN144C
LQFP	144	LC4256V-75TN144I
LQFP	176	LC4256V-5TN176C
LQFP	176	LC4256V-75TN176I
LQFP	100	LC4256V-10TN100I
LQFP	100	LC4256V-75TN100C
LQFP	100	LC4256V-75TN100E
LQFP	144	LC4256V-10TN144I
LQFP	144	LC4256V-75TN144C
LQFP	144	LC4256V-75TN144E
LQFP	176	LC4256V-10TN176I
LQFP	176	LC4256V-75TN176C
LQFP	176	LC4256V-75TN176E
LQFP	100	LC4256ZC-45TN100C
LQFP	100	LC4256ZC-75TN100I
LQFP	176	LC4256ZC-45TN176C
LQFP	176	LC4256ZC-75TN176I
LQFP	100	LC4256ZC-75TN100C

LQFP	100	LC4256ZC-75TN100E
LQFP	176	LC4256ZC-75TN176C
LQFP	176	LC4256ZC-75TN176E
LQFP	100	LC4256ZE-5TN100C
LQFP	144	LC4256ZE-5TN144C
LQFP	100	LC4256ZE-7TN100C
LQFP	100	LC4256ZE-7TN100I
LQFP	144	LC4256ZE-7TN144C
LQFP	144	LC4256ZE-7TN144I
LQFP	176	LC4384C-35TN176C
LQFP	176	LC4384C-5T176C
LQFP	176	LC4384C-5TN176C
LQFP	176	LC4384C-5TN176I
LQFP	176	LC4384C-75T176I
LQFP	176	LC4384V-5TN176C
LQFP	176	LC4384V-75TN176I
LQFP	176	LC4384V-35TN176C
LQFP	176	LC4384V-5TN176I
LQFP	176	LC4384V-10TN176I
LQFP	176	LC4384V-75TN176C
LQFP	176	LC4512V-10TN176I
LQFP	176	LC4512V-35TN176C
LQFP	176	LC4512V-5TN176C
LQFP	176	LC4512V-5TN176I
LQFP	176	LC4512V-75TN176C
LQFP	176	LC4512V-75TN176I
PQFP	208	LC5512MV-75QN208C
LQFP	100	LCMXO1200C-3TN100C
LQFP	100	LCMXO1200C-3TN100I
LQFP	144	LCMXO1200C-3TN144C
LQFP	144	LCMXO1200C-3TN144I
LQFP	100	LCMXO1200C-4TN100C
LQFP	100	LCMXO1200C-4TN100I
LQFP	144	LCMXO1200C-4TN144C
LQFP	144	LCMXO1200C-4TN144I
LQFP	100	LCMXO1200C-5TN100C
LQFP	144	LCMXO1200C-5TN144C
PQFP	100	LCMXO1200E-3TN100C
PQFP	100	LCMXO1200E-3TN100I
LQFP	144	LCMXO1200E-3TN144C
LQFP	144	LCMXO1200E-3TN144I
LQFP	100	LCMXO1200E-4TN100C
LQFP	100	LCMXO1200E-4TN100I
LQFP	144	LCMXO1200E-4TN144C
LQFP	144	LCMXO1200E-4TN144I
LQFP	100	LCMXO1200E-5TN100C
LQFP	144	LCMXO1200E-5TN144C

LQFP	100	LCMXO2-1200HC-4TG100C
LQFP	100	LCMXO2-1200HC-4TG100I
LQFP	144	LCMXO2-1200HC-4TG144C
LQFP	144	LCMXO2-1200HC-4TG144I
LQFP	100	LCMXO2-1200HC-5TG100C
LQFP	100	LCMXO2-1200HC-5TG100I
LQFP	144	LCMXO2-1200HC-5TG144C
LQFP	144	LCMXO2-1200HC-5TG144I
LQFP	100	LCMXO2-1200HC-6TG100C
LQFP	100	LCMXO2-1200HC-6TG100I
LQFP	144	LCMXO2-1200HC-6TG144C
LQFP	144	LCMXO2-1200HC-6TG144I
LQFP	100	LCMXO2-1200ZE-1TG100C
LQFP	100	LCMXO2-1200ZE-1TG100I
LQFP	144	LCMXO2-1200ZE-1TG144C
LQFP	144	LCMXO2-1200ZE-1TG144I
LQFP	100	LCMXO2-1200ZE-2TG100C
LQFP	100	LCMXO2-1200ZE-2TG100I
LQFP	144	LCMXO2-1200ZE-2TG144C
LQFP	144	LCMXO2-1200ZE-2TG144I
LQFP	100	LCMXO2-1200ZE-3TG100C
LQFP	100	LCMXO2-1200ZE-3TG100I
LQFP	144	LCMXO2-1200ZE-3TG144C
LQFP	144	LCMXO2-1200ZE-3TG144I
LQFP	100	LCMXO2-2000HC-4TG100C
LQFP	100	LCMXO2-2000HC-4TG100I
LQFP	144	LCMXO2-2000HC-4TG144C
LQFP	144	LCMXO2-2000HC-4TG144I
LQFP	100	LCMXO2-2000HC-5TG100C
LQFP	100	LCMXO2-2000HC-5TG100I
LQFP	144	LCMXO2-2000HC-5TG144C
LQFP	144	LCMXO2-2000HC-5TG144I
LQFP	100	LCMXO2-2000HC-6TG100C
LQFP	100	LCMXO2-2000HC-6TG100I
LQFP	144	LCMXO2-2000HC-6TG144C
LQFP	144	LCMXO2-2000HC-6TG144I
LQFP	100	LCMXO2-2000HE-4TG100C
LQFP	100	LCMXO2-2000HE-4TG100I
LQFP	144	LCMXO2-2000HE-4TG144C
LQFP	144	LCMXO2-2000HE-4TG144I
LQFP	100	LCMXO2-2000HE-5TG100C
LQFP	100	LCMXO2-2000HE-5TG100I
LQFP	144	LCMXO2-2000HE-5TG144C
LQFP	144	LCMXO2-2000HE-5TG144I
LQFP	100	LCMXO2-2000HE-6TG100C
LQFP	100	LCMXO2-2000HE-6TG100I
LQFP	144	LCMXO2-2000HE-6TG144C



LQFP	144	LCMXO2-2000HE-6TG144I
LQFP	100	LCMXO2-2000ZE-1TG100C
LQFP	100	LCMXO2-2000ZE-1TG100I
LQFP	144	LCMXO2-2000ZE-1TG144C
LQFP	144	LCMXO2-2000ZE-1TG144I
LQFP	100	LCMXO2-2000ZE-2TG100C
LQFP	100	LCMXO2-2000ZE-2TG100I
LQFP	144	LCMXO2-2000ZE-2TG144C
LQFP	144	LCMXO2-2000ZE-2TG144I
LQFP	100	LCMXO2-2000ZE-3TG100C
LQFP	100	LCMXO2-2000ZE-3TG100I
LQFP	144	LCMXO2-2000ZE-3TG144C
LQFP	144	LCMXO2-2000ZE-3TG144I
LQFP	100	LCMXO2-256HC-4TG100C
LQFP	100	LCMXO2-256HC-4TG100I
LQFP	100	LCMXO2-256HC-5TG100C
LQFP	100	LCMXO2-256HC-5TG100I
LQFP	100	LCMXO2-256HC-6TG100C
LQFP	100	LCMXO2-256HC-6TG100I
LQFP	100	LCMXO2-256ZE-1TG100C
LQFP	100	LCMXO2-256ZE-1TG100I
LQFP	100	LCMXO2-256ZE-2TG100C
LQFP	100	LCMXO2-256ZE-2TG100I
LQFP	100	LCMXO2-256ZE-3TG100C
LQFP	100	LCMXO2-256ZE-3TG100I
LQFP	100	LCMXO2280C-3TN100C
LQFP	100	LCMXO2280C-3TN100I
LQFP	144	LCMXO2280C-3TN144C
LQFP	144	LCMXO2280C-3TN144I
LQFP	100	LCMXO2280C-4TN100C
LQFP	100	LCMXO2280C-4TN100I
LQFP	144	LCMXO2280C-4TN144C
LQFP	144	LCMXO2280C-4TN144I
LQFP	100	LCMXO2280C-5TN100C
LQFP	144	LCMXO2280C-5TN144C
LQFP	100	LCMXO2280E-3TN100C
LQFP	100	LCMXO2280E-3TN100I
LQFP	144	LCMXO2280E-3TN144C
LQFP	144	LCMXO2280E-3TN144I
LQFP	100	LCMXO2280E-4TN100C
LQFP	100	LCMXO2280E-4TN100I
LQFP	144	LCMXO2280E-4TN144C
LQFP	144	LCMXO2280E-4TN144I
LQFP	100	LCMXO2280E-5TN100C
LQFP	144	LCMXO2280E-5TN144C
LQFP	144	LCMXO2-4000HC-4TG144C
LQFP	144	LCMXO2-4000HC-4TG144I

LQFP	144	LCMXO2-4000HC-5TG144C
LQFP	144	LCMXO2-4000HC-5TG144I
LQFP	144	LCMXO2-4000HC-6TG144C
LQFP	144	LCMXO2-4000HC-6TG144I
LQFP	144	LCMXO2-4000HE-4TG144C
LQFP	144	LCMXO2-4000HE-4TG144I
LQFP	144	LCMXO2-4000HE-5TG144C
LQFP	144	LCMXO2-4000HE-5TG144I
LQFP	144	LCMXO2-4000HE-6TG144C
LQFP	144	LCMXO2-4000HE-6TG144I
LQFP	144	LCMXO2-4000ZE-1TG144C
LQFP	144	LCMXO2-4000ZE-1TG144I
LQFP	144	LCMXO2-4000ZE-2TG144C
LQFP	144	LCMXO2-4000ZE-2TG144I
LQFP	144	LCMXO2-4000ZE-3TG144C
LQFP	144	LCMXO2-4000ZE-3TG144I
LQFP	100	LCMXO256C-3TN100C
LQFP	100	LCMXO256C-3TN100I
LQFP	100	LCMXO256C-4TN100C
LQFP	100	LCMXO256C-4TN100I
LQFP	100	LCMXO256C-5TN100C
LQFP	100	LCMXO256E-3TN100C
LQFP	100	LCMXO256E-3TN100I
LQFP	100	LCMXO256E-4TN100C
LQFP	100	LCMXO256E-4TN100I
LQFP	100	LCMXO256E-5TN100C
LQFP	100	LCMXO2-640HC-4TG100C
LQFP	100	LCMXO2-640HC-4TG100I
LQFP	100	LCMXO2-640HC-5TG100C
LQFP	100	LCMXO2-640HC-5TG100I
LQFP	100	LCMXO2-640HC-6TG100C
LQFP	100	LCMXO2-640HC-6TG100I
LQFP	144	LCMXO2-640UHC-4TG144C
LQFP	144	LCMXO2-640UHC-4TG144I
LQFP	144	LCMXO2-640UHC-5TG144C
LQFP	144	LCMXO2-640UHC-5TG144I
LQFP	144	LCMXO2-640UHC-6TG144C
LQFP	144	LCMXO2-640UHC-6TG144I
LQFP	100	LCMXO2-640ZE-1TG100C
LQFP	100	LCMXO2-640ZE-1TG100I
LQFP	100	LCMXO2-640ZE-2TG100C
LQFP	100	LCMXO2-640ZE-2TG100I
LQFP	100	LCMXO2-640ZE-3TG100C
LQFP	100	LCMXO2-640ZE-3TG100I
LQFP	144	LCMXO2-7000HC-4TG144C
LQFP	144	LCMXO2-7000HC-4TG144I
LQFP	144	LCMXO2-7000HC-5TG144C

LQFP	144	LCMXO2-7000HC-5TG144I
LQFP	144	LCMXO2-7000HC-6TG144C
LQFP	144	LCMXO2-7000HC-6TG144I
LQFP	144	LCMXO2-7000HE-4TG144C
LQFP	144	LCMXO2-7000HE-4TG144I
LQFP	144	LCMXO2-7000HE-5TG144C
LQFP	144	LCMXO2-7000HE-5TG144I
LQFP	144	LCMXO2-7000HE-6TG144C
LQFP	144	LCMXO2-7000HE-6TG144I
LQFP	144	LCMXO2-7000ZE-1TG144C
LQFP	144	LCMXO2-7000ZE-1TG144I
LQFP	144	LCMXO2-7000ZE-2TG144C
LQFP	144	LCMXO2-7000ZE-2TG144I
LQFP	144	LCMXO2-7000ZE-3TG144C
LQFP	144	LCMXO2-7000ZE-3TG144I
LQFP	100	LCMXO640C-3TN100C
LQFP	100	LCMXO640C-3TN100I
LQFP	144	LCMXO640C-3TN144C
LQFP	144	LCMXO640C-3TN144I
LQFP	100	LCMXO640C-4TN100C
LQFP	100	LCMXO640C-4TN100I
LQFP	144	LCMXO640C-4TN144C
LQFP	144	LCMXO640C-4TN144I
LQFP	100	LCMXO640C-5TN100C
LQFP	144	LCMXO640C-5TN144C
LQFP	100	LCMXO640E-3TN100C
LQFP	100	LCMXO640E-3TN100I
LQFP	144	LCMXO640E-3TN144C
LQFP	144	LCMXO640E-3TN144I
LQFP	100	LCMXO640E-4TN100C
LQFP	100	LCMXO640E-4TN100I
LQFP	144	LCMXO640E-4TN144C
LQFP	144	LCMXO640E-4TN144I
LQFP	100	LCMXO640E-5TN100C
LQFP	144	LCMXO640E-5TN144C
PQFP	208	LFE2-12E-5QN208C
PQFP	208	LFE2-12E-5QN208I
LQFP	144	LFE2-12E-5TN144C
LQFP	144	LFE2-12E-5TN144I
PQFP	208	LFE2-12E-6QN208C
PQFP	208	LFE2-12E-6QN208I
LQFP	144	LFE2-12E-6TN144C
LQFP	144	LFE2-12E-6TN144I
PQFP	208	LFE2-12E-7QN208C
LQFP	144	LFE2-12E-7TN144C
PQFP	208	LFE2-12SE-5QN208C
PQFP	208	LFE2-12SE-5QN208I

LQFP	144	LFE2-12SE-5TN144C
LQFP	144	LFE2-12SE-5TN144I
PQFP	208	LFE2-12SE-6QN208C
PQFP	208	LFE2-12SE-6QN208I
LQFP	144	LFE2-12SE-6TN144C
LQFP	144	LFE2-12SE-6TN144I
PQFP	208	LFE2-12SE-7QN208C
LQFP	144	LFE2-12SE-7TN144C
PQFP	208	LFE2-20E-5QN208C
PQFP	208	LFE2-20E-5QN208I
PQFP	208	LFE2-20E-6QN208C
PQFP	208	LFE2-20E-6QN208I
PQFP	208	LFE2-20E-7QN208C
PQFP	208	LFE2-20SE-5QN208C
PQFP	208	LFE2-20SE-5QN208I
PQFP	208	LFE2-20SE-6QN208C
PQFP	208	LFE2-20SE-6QN208I
PQFP	208	LFE2-20SE-7QN208C
LQFP	144	LFE2-6E-5TN144C
LQFP	144	LFE2-6E-5TN144I
LQFP	144	LFE2-6E-6TN144C
LQFP	144	LFE2-6E-6TN144I
LQFP	144	LFE2-6E-7TN144C
LQFP	144	LFE2-6SE-5TN144C
LQFP	144	LFE2-6SE-5TN144I
LQFP	144	LFE2-6SE-6TN144C
LQFP	144	LFE2-6SE-6TN144I
LQFP	144	LFE2-6SE-7TN144C
PQFP	208	LFEC10E-3Q208C
LQFP	144	LFEC1E-3TN144C
LQFP	100	LFEC1E-4TN100C
PQFP	208	LFEC3E-3QN208C
LQFP	144	LFEC3E-3TN144C
LQFP	144	LFEC6E-3TN144C
PQFP	208	LFXP2-17E-5QN208C
PQFP	208	LFXP2-17E-5QN208I
PQFP	208	LFXP2-17E-6QN208C
PQFP	208	LFXP2-17E-6QN208I
PQFP	208	LFXP2-17E-7QN208C
PQFP	208	LFXP2-5E-5QN208C
PQFP	208	LFXP2-5E-5QN208I
LQFP	144	LFXP2-5E-5TN144C
LQFP	144	LFXP2-5E-5TN144I
PQFP	208	LFXP2-5E-6QN208C
PQFP	208	LFXP2-5E-6QN208I
LQFP	144	LFXP2-5E-6TN144C
LQFP	144	LFXP2-5E-6TN144I

PQFP	208	LFXP2-5E-7QN208C
LQFP	144	LFXP2-5E-7TN144C
PQFP	208	LFXP2-8E-5QN208C
PQFP	208	LFXP2-8E-5QN208I
LQFP	144	LFXP2-8E-5TN144C
LQFP	144	LFXP2-8E-5TN144I
PQFP	208	LFXP2-8E-6QN208C
PQFP	208	LFXP2-8E-6QN208I
LQFP	144	LFXP2-8E-6TN144C
LQFP	144	LFXP2-8E-6TN144I
PQFP	208	LFXP2-8E-7QN208C
LQFP	144	LFXP2-8E-7TN144C
PQFP	208	LFXP3C-3QN208C
LQFP	144	LFXP3C-3TN144C
LQFP	100	LFXP3C-3TN100C
LQFP	144	LFXP3C-3TN144C
LQFP	100	LFXP3C-4TN100C
LQFP	100	LFXP3C-4TN100I
LQFP	144	LFXP3C-4TN144C
PQFP	208	LFXP3C-5QN208C
LQFP	100	LFXP3C-5TN100C
LQFP	100	LFXP3E-3TN100I
LQFP	100	LFXP3E-4TN100C
PQFP	208	LFXP6C-3QN208C
LQFP	144	LFXP6C-3TN144C
PQFP	208	LFXP6C-4QN208C
LQFP	144	LFXP6C-4TN144C
LQFP	144	LFXP6C-5TN144C
LQFP	128	LPTM10-1247-3TG128C
LQFP	128	LPTM10-1247-3TG128I
LQFP	100	M4A3-128/64-10VNC
LQFP	100	M4A3-128/64-10VNI
LQFP	100	M4A3-128/64-12VNI
LQFP	100	M4A3-128/64-55VNC
LQFP	100	M4A3-128/64-7VNC
LQFP	100	M4A3-128/64-7VNI
LQFP	144	M4A3-192/96-10VNC
LQFP	144	M4A3-192/96-10VNI
LQFP	144	M4A3-192/96-12VNI
LQFP	144	M4A3-192/96-6VNC
LQFP	144	M4A3-192/96-7VNC
LQFP	144	M4A3-192/96-7VNI
PQFP	208	M4A3-256/128-10YNC
PQFP	208	M4A3-256/128-10YNI
PQFP	208	M4A3-256/128-12YNI
PQFP	208	M4A3-256/128-55YNC
PQFP	208	M4A3-256/128-65YNC

PQFP	208	M4A3-256/128-7YNC
PQFP	208	M4A3-256/128-7YNI
PQFP	208	M4A3-256/160-10YNC
PQFP	208	M4A3-256/160-10YNI
PQFP	208	M4A3-256/160-12YNI
PQFP	208	M4A3-256/160-7YNC
TQFP	44	M4A3-32/32-10VNC
LQFP	48	M4A3-32/32-10VNC48
TQFP	44	M4A3-32/32-10VNI
LQFP	48	M4A3-32/32-10VNI48
TQFP	44	M4A3-32/32-12VNI
LQFP	48	M4A3-32/32-12VNI48
TQFP	44	M4A3-32/32-5VNC
LQFP	48	M4A3-32/32-5VNC48
TQFP	44	M4A3-32/32-7VNC
LQFP	48	M4A3-32/32-7VNC48
TQFP	44	M4A3-32/32-7VNI
LQFP	48	M4A3-32/32-7VNI48
PQFP	208	M4A3-512/160-10YC
TQFP	44	M4A3-64/32-10VNC
LQFP	48	M4A3-64/32-10VNC48
TQFP	44	M4A3-64/32-10VNI
LQFP	48	M4A3-64/32-10VNI48
TQFP	44	M4A3-64/32-12VNI
LQFP	48	M4A3-64/32-12VNI48
TQFP	44	M4A3-64/32-55VNC
LQFP	48	M4A3-64/32-55VNC48
TQFP	44	M4A3-64/32-7VNC
LQFP	48	M4A3-64/32-7VNC48
TQFP	44	M4A3-64/32-7VNI
LQFP	48	M4A3-64/32-7VNI48
LQFP	100	M4A3-64/64-10VNC
LQFP	100	M4A3-64/64-10VNI
TQFP	100	M4A3-64/64-12VNI
TQFP	100	M4A3-64/64-55VNC
TQFP	100	M4A3-64/64-7VNC
TQFP	100	M4A3-64/64-7VNI
TQFP	100	M4A3-96/48-10VNC
TQFP	100	M4A3-96/48-12VNI
TQFP	100	M4A5-128/64-10VNC
TQFP	100	M4A5-128/64-10VNI
PQFP	100	M4A5-128/64-10YNC
PQFP	100	M4A5-128/64-10YNI
TQFP	100	M4A5-128/64-12VNI
TQFP	100	M4A5-128/64-12YNI
LQFP	100	M4A5-128/64-55VNC
PQFP	100	M4A5-128/64-55YNC

LQFP	100	M4A5-128/64-7VNC
LQFP	100	M4A5-128/64-7VNI
PQFP	100	M4A5-128/64-7YNC
PQFP	100	M4A5-128/64-7YNI
LQFP	144	M4A5-192/96-10VNC
LQFP	144	M4A5-192/96-10VNI
LQFP	144	M4A5-192/96-12VNI
LQFP	144	M4A5-192/96-6VNC
LQFP	144	M4A5-192/96-7VNC
LQFP	144	M4A5-192/96-7VNI
PQFP	208	M4A5-256/128-10YNC
PQFP	208	M4A5-256/128-10YNI
PQFP	208	M4A5-256/128-12YNI
PQFP	208	M4A5-256/128-65YNC
PQFP	208	M4A5-256/128-7YNC
TQFP	44	M4A5-32/32-10VNC
LQFP	48	M4A5-32/32-10VNC48
TQFP	44	M4A5-32/32-10VNI
LQFP	48	M4A5-32/32-10VNI48
TQFP	44	M4A5-32/32-12VNI
LQFP	48	M4A5-32/32-12VNI48
TQFP	44	M4A5-32/32-5VNC
LQFP	48	M4A5-32/32-5VNC48
TQFP	44	M4A5-32/32-7VNC
LQFP	48	M4A5-32/32-7VNC48
TQFP	44	M4A5-32/32-7VNI
LQFP	48	M4A5-32/32-7VNI48
TQFP	44	M4A5-64/32-10VNC
LQFP	48	M4A5-64/32-10VNC48
TQFP	44	M4A5-64/32-10VNI
LQFP	48	M4A5-64/32-10VNI48
TQFP	44	M4A5-64/32-12VNI
LQFP	48	M4A5-64/32-12VNI48
TQFP	44	M4A5-64/32-55VNC
LQFP	48	M4A5-64/32-55VNC48
TQFP	44	M4A5-64/32-7VNC
LQFP	48	M4A5-64/32-7VNC48
TQFP	44	M4A5-64/32-7VNI
LQFP	48	M4A5-64/32-7VNI48
TQFP	100	M4A5-96/48-10VNC
TQFP	100	M4A5-96/48-10VNI
TQFP	100	M4A5-96/48-12VNI
TQFP	100	M4A5-96/48-55VNC
TQFP	100	M4A5-96/48-7VNC
TQFP	100	M4A5-96/48-7VNI