



New Product Announcement

LVC LOGIC

74LVC2Gxx Dual Gate Logic now available in DFN1210, DFN1410, and DFN2010 packages

Featured Product LVC2Gxx

- Industry Standard
- Direct Replacements
- More choices for more potential applications

74LVC2G Function Types

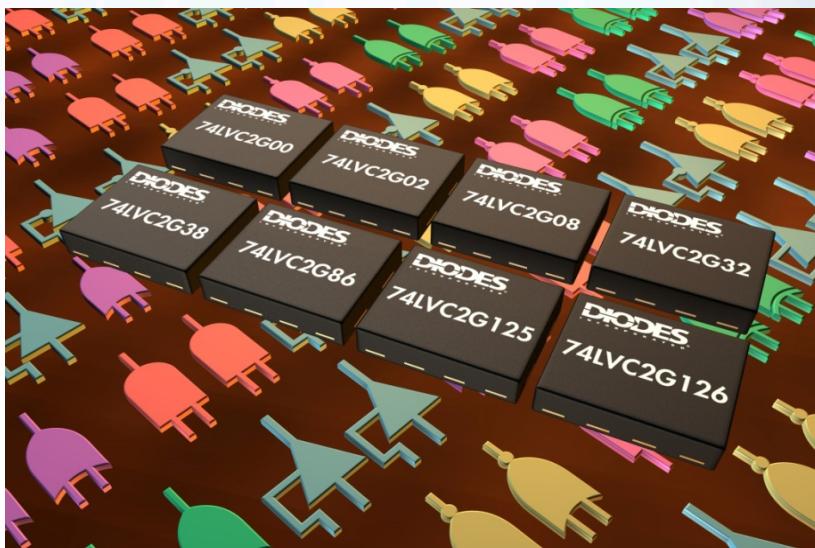
- 00 Dual NAND Gate
- 02 Dual NOR Gate
- 08 Dual AND Gate
- 09 Dual NAND Gate Open Drain
- 32 Dual OR GATE
- 38 Dual 2-input NAND Gate Open Drain
- 86 Dual Exclusive OR Gate
- 125 Dual Buffer OE Active Low
- 126 Dual Buffer OE Active High

Family Description

LVC operates over a supply voltage range of 1.65 to 5.5V.

24 mA drive for the most demanding logic applications.

Ioff feature allows for power-down isolation.



The Diodes Advantage

- **Dual Gate Functions Now in Three Varieties of 8 Pin Packages**
The existing DFN1210 8 pin package is joined with the new DFN1410 and DFN2010 packages.
- **Your Product Can Now Be Smaller, Lighter, and Thinner**
Today's leading products are small and thin. The DFN1210 is the one of the world's smallest 8 pin packages.
- **Lead Pitch Options**
Lead pitches of 0.3 mm , 0.35 mm or 0.5 mm allows for making the best match needed product size and match OEM manufacturing capability.
- **Chip Scale Alternative**
The footprint of the DFN0910 is both smaller and more mechanically robust than existing chip scale solutions.



Ordering Information

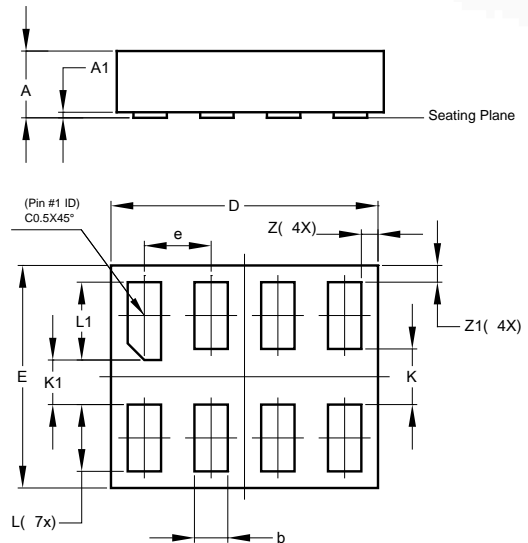
Package DFN1210	Package DFN1210	Package DFN1410	Function
74LVC2G00RA3-7	74LVC2G00HK3-7	74LVC2G00HD4-7	Dual 2-input NAND Gate
74LVC2G02RA3-7	74LVC2G02HK3-7	74LVC2G02HD4-7	Dual 2-input NOR Gate
74LVC2G08RA3-7	74LVC2G08HK3-7	74LVC2G08HD4-7	Dual 2-input AND Gate
74LVC2G32RA3-7	74LVC2G32HK3-7	74LVC2G32HD4-7	Dual 2-input OR Gate
74LVC2G38RA3-7	74LVC2G38HK3-7	74LVC2G38HD4-7	Dual 2-input NAND Gate Open Drain
74LVC2G86RA3-7	74LVC2G86HK3-7	74LVC2G86HD4-7	Dual 2-input XOR Gate
74LVC2G125RA3-7	74LVC2G125HK3-7	74LVC2G125HD4-7	Dual Buffer OE active Low
74LVC2G126RA3-7	74LVC2G126HK3-7	74LVC2G126HD4-7	Dual Buffer OE active High

DFN1210 Package

- 1.2 mm × 1.0 mm × 0.35 mm
- World's Smallest Eight Connection Logic Package

X2-DFN1210-8			
Dim	Min	Max	Typ
A	-	0.35	0.30
A1	0	0.03	0.02
b	0.10	0.20	0.15
D	1.15	1.25	1.20
E	0.95	1.05	1.00
e	-	-	0.30
K	-	-	0.25
K1	-	-	0.20
L	0.25	0.35	0.30
L1	0.30	0.40	0.35
Z	0.050	0.100	0.075
Z1	0.050	0.100	0.075

All Dimensions in mm



Tape and Reel Information

Packaging	Reel size	Tape width	Quantity
DFN1210	7"	8mm	5,000
DFN1410	7"	8mm	5,000
DFN2010	7"	8mm	5,000

All variants are in packages that are "Green" Molding Compound (No Br, Sb) with Lead Free Finish/RoHS Compliant in agreement with EU Directive 2002/95/EC (RoHS). All applicable RoHS exemptions applied, see EU Directive 2002/95/EC Annex Notes.