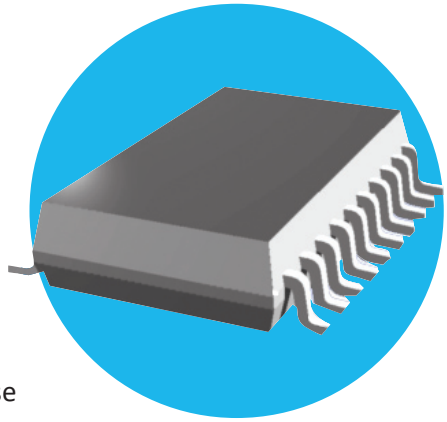
Resistors OBSOLETE

Schottky Diode Termination Network



QDN001 Series

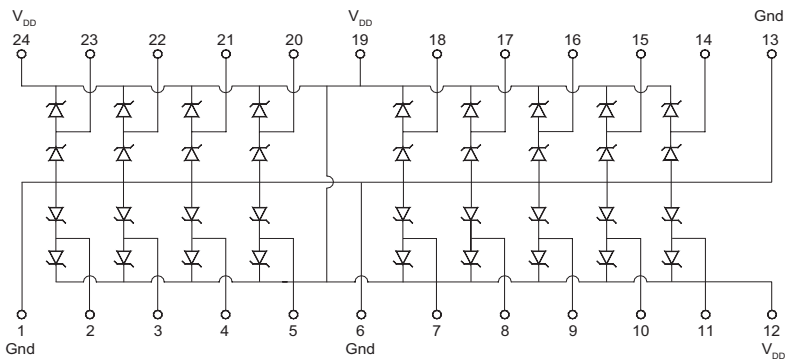
- Suitable for high speed memory bus applications
- RoHS compliant and Sn/Pb terminations available
- Reduces overshoot and undershoot for all data line types
- Effective termination for both controlled/uncontrolled line terminations
- 36 Schottky diodes integrated in a QSOP package for fast turn-on/reverse recovery characteristics

All Pb-free parts comply with EU Directive 2011/65/EU (RoHS2)

Electrical Data

Parameter	Min Value	Max Value
Operating Voltage (V_{DD})	-0.3V	7.0V
Diode Forward Voltage **Forward Current = 10mA** **Forward Current = 50mA**	N/A	 0.5V 0.8V
Channel Input Capacitance (V_{IN} = 2.5V, V_{DD} = 5V, T = 25°C)	N/A	5pF
ESD Protection **MIL-STD-883 Method 3015**	N/A	 ±4KV
Channel Leakage Current (T = 25°C) (0 V_{IN} V_{DD})	N/A	0.1µA
Channel Clamp Current	N/A	±50mA
Package Power Rating	N/A	1.0W
Operating Temperature Range	0°C	+70°C
Storage Temperature Range	-65°C	+150°C

Schematic Data



General Note

TT Electronics reserves the right to make changes in product specification without notice or liability.
All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

BI Technologies IRC Welwyn

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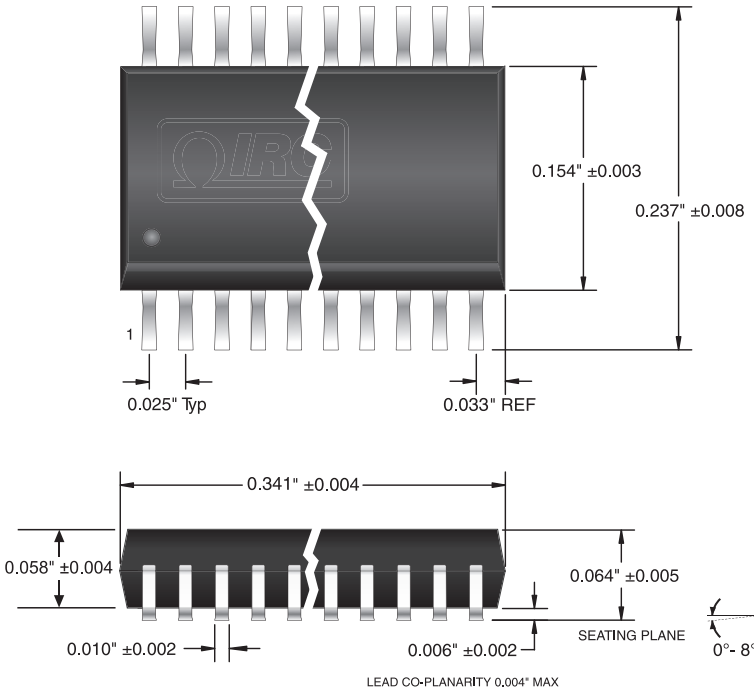
Physical Data



Note: All dimesions exclude mold flash and end flash which shall not exceed 0.006" per side. Drawing proportions not to scale

Note: Lead Coplanarity 0.004" Max.

Ordering Data

Prefix ..... DNR - QDN001LF

Model .....

QDN001LF = 24-pin, high speed, 18-line termination network with 100% matte tin, Pb-free terminations
QDN001 = 24-pin, high speed, 18-line termination network with Sn/Pb terminations

Packaging
Specify tubes or tape & reel.

For additional information or to discuss your specific requirements, please contact our Applications Team using the contact details below.