

ULTRA-LOW-VOLTAGE LEVEL TRANSLATORS ALLOW SEAMLESS INTERFACE DOWN TO 0.9V

Six-Channel Bidirectional Level Translators in Tiny, 2mm x 2mm UCSP™

Ultra-Low-Voltage Operation

◆ $V_L = 0.9V$ to $3.6V$

◆ $V_{CC} = 1.5V$ to $3.6V$

Save Board Space

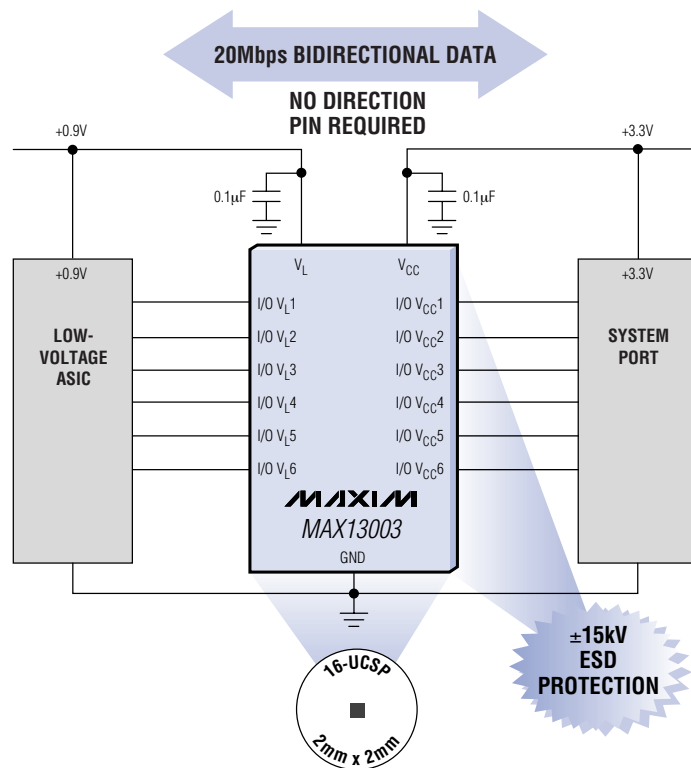
◆ 2mm x 2mm, 16-UCSP

Bidirectional Operation with No Direction Pin

◆ Noninverting Inputs and Outputs

Robust Protection

◆ $\pm 15kV$ ESD Protection (V_{CC} Side)



Part	No. of I/O Channels	Translator Configuration	Data Rate (bps)	Supply Current (μA)		Package
				I_L	I_{CC}	
MAX13000	6	CMOS to CMOS	230k	0.1	0.1	16-UCSP/TSSOP
MAX13001	6	CMOS to open drain	230k	0.1	0.1	16-UCSP/TSSOP
MAX13002	6	Open drain to CMOS	230k	0.1	0.1	16-UCSP/TSSOP
MAX13003	6	CMOS to CMOS	20M	0.1	0.1	16-UCSP/TSSOP
MAX13004	6	CMOS to open drain	20M	0.1	0.1	16-UCSP/TSSOP
MAX13005	6	Open drain to CMOS	20M	0.1	0.1	16-UCSP/TSSOP

UCSP is a trademark of Maxim Integrated Products, Inc.

MAXIM

www.maxim-ic.com

FREE Multiplexers and Switches Design Guide—Sent Within 24 Hours!

CALL TOLL FREE 1-800-998-8800 (6:00 a.m.–6:00 p.m. PT)

For a Design Guide or Free Sample

MAXIM/DALLAS DIRECT!
DISTRIBUTION
1-888-MAXIM-IC

ARROW
ARROW ELECTRONICS, INC.
1-800-777-2776

AVNET
CILICON
1-800-332-8638

Distributed by Maxim/Dallas Direct!, Arrow, Avnet Electronics Marketing, Digi-Key, and Newark.

The Maxim logo is a registered trademark of Maxim Integrated Products, Inc. The Dallas Semiconductor logo is a registered trademark of Dallas Semiconductor Corp.

© 2005 Maxim Integrated Products, Inc. All rights reserved.