

ANALOG INTERFACE - LVDS CIRCUITS (CONT.)

Single-Ended to Differential LVDS PHY Overview				
	Drivers	Receivers	Transceivers	1:6 Repeater
Single:	DS90LV011A (SOT23-5, LLP-8) DS90LV017A	DS90LV012A (SOT23-5, LLP-8) DS90LV018A	DS90LV019 (LVDS) DS92LV010A (Bus LVDS) DS91C176/ D176 (M-LVDS)	
Dual:	DS90LV027A DS90C401 (5V)	DS90LV028A DS90C402 (5V)		
Quad:	DS90LV047A DS90C031 (5V)	DS90LV048A DS90C032 (5V)	DS92LV040A	
9-Ch:			DS92LV090A SCAN92LV090 (JTAG)	
				DS92CK16 (LVTTTL to LVTTTL or LVDS to LVTTTL)
Drivers and Receivers:	Single: DS91C180/D180 (M-LVDS) Dual: DS90LV049 DS36C200 (5V)			

Mfg. Part No.	Case Style	Signaling Rate	Peak-to-Peak Jitter Max	Stock No.	Price Each 1-9+
<b>3V to 3.6V</b>					
DS99R421QSQ/NOPB	LLP-36	1.03Gbps	100ps	08N3578	---
DS91M124TMA/NOPB	SOIC-16	250Mbps	250ps	40P2711	---
DS91M125TMA/NOPB	SOIC-16	250Mbps	250ps	40P2712	---
<b>LVDS Differential Line Driver, 3V to 3.6V</b>					
DS90LV017ATM/NOPB	SOIC-8	600Mbps	1.2ns	41K2069	---
DS90LV031ATM/NOPB	SOIC-16	400Mbps	1.2ns	41K2084	---
DS90LV047ATM/NOPB	SOIC-16	400Mbps	1.2ns	41K2093	1.28
DS90LV011ATMF/NOPB	SOT-23-5	400Mbps	1.2ns	41K2063	0.41
DS90LV031ATMTC/NOPB	TSSOP-16	400Mbps	1.2ns	41K2085	---
DS90LV047ATMTC/NOPB	TSSOP-16	400Mbps	1.2ns	41K2094	---
<b>LVDS Differential Line Driver, 4.5V to 5.5V</b>					
DS90C031BTM/NOPB	SOIC-16	155.5Mbps	600ps	41K2025	---
DS90C031TM/NOPB	SOIC-16	155.5Mbps	600ps	41K2027	0.86
<b>LVDS Differential Line Receiver, 2.7V to 3.6V</b>					
DS90LV012ATMF/NOPB	SOT-23-5	400Mbps	1.5ns	41K2067	---
<b>LVDS Differential Line Receiver, 3V to 3.6V</b>					
DS90LV018ATM/NOPB	SOIC-8	400Mbps	1.5ns	41K2073	---
DS90LV018ATMX/NOPB	SOIC-8	400Mbps	1.5ns	41K2074	0.58
DS90LV048ATM	SOIC-16	400Mbps	1.5ns	48F5644	1.69
DS90LV048ATMTC/NOPB	TSSOP-16	400Mbps	1.5ns	41K2097	---
<b>LVDS Differential Line Receiver, 4.5V to 5.5V</b>					
DS90C032BTM/NOPB	SOIC-16	155.5Mbps	1ns	41K2029	---
DS90C032TM/NOPB	SOIC-16	155.5Mbps	1ns	41K2031	---
<b>LVDS Receiver, 3V to 3.6V</b>					
DS90CR216MTD/NOPB	TSSOP-48	1.386Gbps	490ps	41K1991	---
DS90CR288AMTD/NOPB	TSSOP-56	2.38Gbps	150ns	41K2011	---
<b>LVDS Receiver, 4.5V to 5.5V</b>					
DS90C402M/NOPB	SOIC-8	155.5Mbps	1.5ns	41K2052	2.41
<b>LVDS Repeater, 3V to 3.6V</b>					
DS10BR254TSQ/NOPB	WQFN-40	1.5Gbps	22ps	78M7724	1.94
<b>LVDS Transceiver, 3V to 3.6V</b>					
DS91M040TSQE/NOPB	LLP-32	250Mbps	4ns	11N9017	---
DS91C176TMA/NOPB	SOIC-8	200Mbps	2.5ps	99K2043	---
DS90C387VJD/NOPB	TQFP-100	672Mbps	120ps	41K2048	---
DS90LV019TM	TSSOP-14	100Mbps	1ns	83F4629	---
DS90LV019TMT/NOPB	TSSOP-14	100Mbps	1ns	41K2075	2.91
DS90LV049TMT/NOPB	TSSOP-16	400Mbps	1ns	41K2100	---
DS90LV049HMT/NOPB	TSSOP-16	400Mbps	1ns	69K2123	---
DS90CR285MTD/NOPB	TSSOP-56	1.848Gbps	250ps	41K2003	1.87
<b>Transceiver, 3V to 3.6V</b>					
DS92LV010ATM/NOPB	SOIC-8	100Mbps	2ns	41K2108	1.85

PIM\_70658

RS-232 LINE DRIVER/RECEIVER



- Applications:**
- Isolated RS-232 interface
  - High noise data communications

- Industrial communications
- Industrial/telecommunications diagnostic ports
- Medical equipment

» CONTINUED »

RS-232 LINE DRIVER/RECEIVER (CONT.)

The **ADM3252E** is a high speed, 2.5 kV, fully isolated, dual-channel RS-232V/28 transceiver device that is operational from a single 3.3 V or 5 V power supply. Because of high ESD protection on the RIN1, RIN2, TOUT1, and TOUT2 pins, the **ADM3252E** is ideally suited for operation in electrically harsh environments or where RS-232 cables are frequently plugged and unplugged. The **ADM3252E** provides four independent isolation channels using the integrated and isolated power of isoPower®. There is no requirement to use a separate isolated dc-to-dc converter. Chip scale transformer iCoupler® technology from Analog Devices, Inc., is used for both the isolation of the logic signals and the integrated dc-to-dc converter. The result is a total isolation solution.

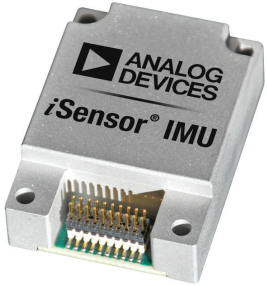
Mfg. Part No.	Case Style	Supply Voltage	No. of Drivers	Stock No.	Price Each 1-9+
<b>RS232 Transceiver</b>					
ADM3251EARWZ-REEL	SOIC-20	4.5Vto5.5V	1Drivers	24W8478	---
<b>Transceiver</b>					
ADM3252EABEZ	BGA-44	3Vto5.5V	1Drivers	93T9957	---

Accessories

Mfg. Part No.	Description	Stock No.	Price Each 1+
EVAL-ADM3252EEBZ	Evaluation Board for Isolated Dual Channel Transceiver	94T0870	---

PIM\_207460

iSENSOR MEMS INERTIAL MEASUREMENT UNITS (IMUs)



Mfg. Part No.	Stock No.	Price Each 1-4+
ADIS16405BMLZ	51P3726	---
ADIS16362BMLZ	33R2682	---
ADIS16364BMLZ	51P3724	---
ADIS16334BMLZ	31T9263	---
ADIS16365BMLZ	39Y2653	---
ADIS16375BMLZ	40Y6127	---
ADIS16460AMLZ	80Y1962	---
ADIS16488BMLZ	41X3201	---
ADIS16488CMLZ	41X3202	---

PIM\_203502

PRESSURE SENSORS



This series of silicon piezoresistive pressure sensors provide a very accurate and linear voltage output — directly proportional to the applied pressure. These standard, low-cost, uncompensated sensors permit manufacturers to design and add their own external temperature compensation and signal conditioning networks.

Mfg. Part No.	Sensitivity	Operating Pressure	Case Style	Stock No.	Price Each 1-9+
<b>Absolute</b>					
MPXM2202AS	0.2mV/kPa	0 kPa to 200 kPa	MPAK-5 Pins	26C1091	10.17
MPX2200A	0.2mV/kPa	0 kPa to 200 kPa	SIP-4 Pins	07F9866	9.83
MPX2200AP	0.2mV/kPa	0 kPa to 200 kPa	SIP-4 Pins	07F9867	15.22
MPX2202AP	0.2mV/kPa	0 kPa to 200 kPa	SIP-4 Pins	75C3933	9.71
MPXM2102AS	0.4mV/kPa	0 kPa to 100 kPa	MPAK-5 Pins	26C1089	10.17
MPXM2102A	0.4mV/kPa	0 kPa to 100 kPa	MPAK-4 Pins	26C1088	5.96
MPXM2102AST1	0.4mV/kPa	0 kPa to 100 kPa	MPAK-4 Pins	75C3879	5.81
MPX2102AP	0.4mV/kPa	0 kPa to 100 kPa	SIP-4 Pins	31C0665	9.83
MPX2100AP	0.4mV/kPa	0 kPa to 100 kPa	SIP-4 Pins	07F9849	16.74
MPX2102ASX	0.4mV/kPa	0 kPa to 100 kPa	SIP-4 Pins	75C3927	---
<b>Differential</b>					
MPX2300DT1	---	0 kPa to 40 kPa	SIP-4 Pins	66F7152	6.89
MPX2200DP	0.2mV/kPa	0 kPa to 200 kPa	SIP-4 Pins	07F9871	17.53
MPX2202DP	0.2mV/kPa	0 kPa to 200 kPa	SIP-4 Pins	75C3936	9.83
MPX2100DP	0.4mV/kPa	0 kPa to 100 kPa	SIP-4 Pins	07F9853	9.83
MPX2100D	0.4mV/kPa	0 kPa to 100 kPa	SIP-4 Pins	07F9852	9.83
MPX2102DP	0.4mV/kPa	0 kPa to 100 kPa	SIP-4 Pins	75C3928	---
MPX2050D	0.8mV/kPa	0 kPa to 50 kPa	SIP-4 Pins	07F9828	9.83
MPX2050DP	0.8mV/kPa	0 kPa to 50 kPa	SIP-4 Pins	48F6766	15.22
MPXY2053DP	0.8mV/kPa	0 kPa to 50 kPa	SOP-8 Pins	75C3890	---
MPX53D	1.2mV/kPa	0 kPa to 50 kPa	SIP-4 Pins	95B4481	7.22
MPXM2010D	2.5mV/kPa	0 kPa to 10 kPa	MPAK-4 Pins	25C4133	5.96

» CONTINUED »