



## Product Selector

### 24 V, 5 V Line Driver ICs • Silicon for Motion®

	24 V						3 V - 5 V	
	<u>iC-DL</u>	<u>iC-HX</u>	<u>iC-VX</u>	<u>iC-WE</u>	<u>iC-HD2</u>	<u>iC-HD7</u>	<u>iC-HE</u>	
<b>Package</b>	QFN28 5x5	QFN28 5x5	SO16W	SO16W SO20W TSSOP20tp	TSSOP20	SO16N	SO14N	QFN32 5x5
<b>Channels</b>	6x1 / 3x2	6x1 / 3x2	3x2	3x1	4x2	4x2	3x2	(3+3)x2
<b>Supply Voltages</b> VB VCC	4 V to 32 V 4 V to 5.5 V	4 V to 40 V 4 V to 5.5 V	4.5 V to 30 V 4.5 V to 5.5 V	4.5 V to 30 V 4.5 V to 5.5 V	4.5 V to 35 V	4.5 V to 35 V	4.5 V to 35 V	3 V to 5.5 V
<b>Inputs:</b> TTL/CMOS Hysteresis Pull Up/Down Source Enable Input	•/• • -/ •	•/• • -/ •	•/• • •/ •	•/• • •/ •	•/• • -/ •	•/• • -/ •	•/• • -/ •	•/• • -/ •
<b>Push-Pull Outputs</b>  Frequency @ Line Length RS422A Line Adaptation Error Message	30 mAdc, typ. 0.2 Apeak 200 kHz @ 100 m	30 mAdc, typ. 0.2 Apeak 200 kHz @ 100 m	30/100 mAdc, typ. 0.17 Apeak 200 kHz @ 10 m 20 kHz @ 100 m limited	30 mAdc, typ. 0.3 Apeak 1 MHz @ 100 m	40 mAdc, typ. 0.2 Apeak 2 MHz @ 10 m	40 mAdc, typ. 0.2 Apeak 2 MHz @ 10 m	40 mAdc, typ. 0.2 Apeak 2 MHz @ 10 m	20 mAdc, typ. 0.04 Apeak 10 MHz @ 10 m
<b>Protective Circuits</b> Burst/Transient Clamp Overcurrent Thermal Shutdown Rev. Polarity Protection Undervoltage Lockout	• • • •	• • • •	• • • •	• • • •	• • • •	• • • •	• • • •	• • • •
<b>OTR °C</b>	-25(-40)..125	-40..125	-25(-40)..85	-25(-40)..130	-25(-40)..125	-25(-40)..125	-25(-40)..125	-40..125
<b>Competitor Products</b>					OL2068	ET7272, OL7272	ET9600	
<b>Special Features</b>		power recycling mode	Selectable drive current, input level shifting		5 V (5 mA) outp. xx2068 footprint	26LS31 footprint	LED drive, ET9600 footprint	BiSS/SSI transceiver, analog bypass (Encoder Link), 3x RS422 receiver

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[Applications Industrial I/O and 24 V, 5 V Line Driver](#)