

# EXAR Interface Transceivers and UARTS



A New Direction in Mixed-Signal



This product is RoHS compliant.

Analog ICs

## EXAR PCIE UARTS

Exar's new UART series, the industry's fastest PCIe 2.0 Gen 1 UARTs with up to 25Mbps serial data rate. The series is composed of three devices: XR17V352/354/358 which offers distinguishing features customers require for next generation applications. These features include an on-chip PCIe PHY and PCIe digital controller, support for large FIFO sizes (256 bytes), optimized software drivers, and a complete single-chip endpoint solution eliminating the requirement for external PCIe-PCI bridge devices. The XR17V352/354/358 series is ideal for remote access servers, storage network management, factory automation, and Point-of-Sales (POS) systems.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Exar Part No.	Package Type	No. of Channels	CPU Interface	Data Rate 5/3.3/2.5V	Tx/Rx FIFO (Bytes)	Tx/Rx FIFO Ctrs	Tx/Rx FIFO INT Trig	Auto RTS/CTS	IrDa Supply	Auto RS-485	Supply Voltage (V)	Price Each		
													1	25	100
701-XR17V352IB113-F	XR17V352IB113-F	BGA-113	2	PCIe Bus	-25/-	256/256	Yes	Program	Yes	Yes	Yes	3.3	11.75	10.16	8.57
701-XR17V354IB176-F	XR17V354IB176-F	BGA-176	4	PCIe Bus	-25/-	256/256	Yes	Program	Yes	Yes	Yes	3.3	15.11	13.07	11.02
701-XR17V358IB176-F	XR17V358IB176-F	BGA-176	8	PCIe Bus	-25/-	256/256	Yes	Program	Yes	Yes	Yes	3.3	20.41	17.80	15.14

## EXAR USB 2.0 BUS INTERFACE UARTS

The XR21V141x series is the industry's fastest Universal Asynchronous Receiver Transmitter (UART) series with USB 2.0 compliant bus interface. The XR21V1410/V1412/V1414 have differentiated features which include the industry's smallest packaging options, up to 12Mbps, optimized software drivers, and support large FIFO sizes delivering flexible and proven design options to system architects.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Exar Part No.	Package Type	No. of Channels	CPU Interface	Data Rate 5/3.3/2.5V	Auto RTS/CTS	Auto RS-485	Tx/Rx FIFO (Bytes)	Supply Voltage (V)	Temp. Range	Price Each		
											1	25	100
701-XR21V1410IL16-F	XR21V1410IL16-F	QFN-16	1	USB 2.0	NA/12/NA	Yes	Yes	128/384	2.97 - 3.63	-40 to 85°C	4.40	3.87	3.34
701-XR21B1411IL16-F	XR21B1411IL16-F	QFN-16	1	USB 2.0	12/NA/NA	Yes	Yes	128/384	4.4-5.25	-45 to 85°C	4.88	4.29	3.71
701-XR21V1412IL32-F	XR21V1412IL32-F	QFN-32	2	USB 2.0	NA/12/NA	Yes	Yes	128/384	2.97 - 3.63	-40 to 85°C	6.45	5.57	4.70
701-XR21V1414IM48-F	XR21V1414IM48-F	TQFP-48	4	USB 2.0	NA/12/NA	Yes	Yes	128/384	2.97 - 3.63	-40 to 85°C	8.89	7.47	6.80

## EXAR PCI UARTS



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MOUSER STOCK NO.	Exar Part No.	Package Type	No. of Channels	CPU Interface	Data Rate 5/3.3/2.5V	Tx/Rx FIFO (Bytes)	Tx/Rx FIFO Ctrs	Tx/Rx FIFO INT Trig	Auto RTS/CTS	IrDa Supply	Auto RS-485	Supply Voltage (V)	Price Each		
													1	25	100
701-XR17D152CM-F	XR17D152CM-F	TQFP-100	2	PCI Bus	6.2/4.0/-	64/64	Yes	Program	Yes	Yes	Yes	3.3/5	20.28	15.50	13.95
701-XR17C158CV-F	XR17C158CV-F	LQFP-144	8	PCI Bus	6.2/-/-	64/64	Yes	Program	Yes	Yes	Yes	5	38.06	29.18	26.98
701-XR17C158IV-F	XR17C158IV-F	LQFP-144	8	PCI Bus 2.2	8	64/64	Yes	Prog./Prog.	-	Yes	Yes	3-3.6	34.81	-	-

## EXAR MULTI-PROTOCOL TRANSCEIVERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Exar Part No.	Package Type	No. of Tx	No. of Rx	Data Rate (Kbps)	Vcc (V)	ESD (KV)	Term	Supported Protocols	Temperature Range	Price Each		
											1	5	10
701-SP336ECT-L	SP336ECT-L	SOIC-W	4	4	250/100/10000	3.3 or 5	15	n/a	RS-232, V.28, RS-485, RS-422, V.24	-65°C to 150°C	12.20	10.84	10.09
701-SP336ECY-L	SP336ECY-L	TSSOP	4	4	250/100/10000	3.3 or 5	15	n/a	RS-232, V.28, RS-485, RS-422, V.24	-65°C to 150°C	12.20	10.84	10.09
701-SP336EET-L	SP336EET-L	SOIC-W	4	4	250/100/10000	3.3 or 5	15	n/a	RS-232, V.28, RS-485, RS-422, V.24	-65°C to 150°C	12.45	11.40	10.20
701-SP336EEY-L	SP336EEY-L	TSSOP	4	4	250/100/10000	3.3 or 5	15	n/a	RS-232, V.28, RS-485, RS-422, V.24	-65°C to 150°C	12.45	11.40	10.20
701-SP3508EF-L	SP3508EF-L	LQFP-100	8	8	20000	3.3	4	Complete	RS232, RS449, EIA530, EIA530A, V.10, V.11, V.28, V.35, V.36, X.21	-40°C to 85°C	33.50	30.99	28.48
701-SP505ACM-L	SP505ACM-L	LQFP-80	7	7	10000	5	2	V.35, V.11	RS232, RS449, EIA530, V.10, V.11, V.28, V.35, V.36, X.21	0°C to 70°C	22.00	20.35	18.70
701-SP508CF-L	SP508CF-L	LQFP-100	8	8	20000	5	15	Complete	RS232, RS449, EIA530, EIA530A, V.10, V.11, V.28, V.35, V.36, X.21	0°C to 70°C	27.50	25.44	23.38
701-SP508EF-L	SP508EF-L	LQFP-100	8	8	20000	5	15	Complete	RS232, RS449, EIA530, EIA530A, V.10, V.11, V.28, V.35, V.36, X.21	-40°C to 85°C	28.88	26.71	24.55
701-SP331ET-L	SP331ET-L	SOIC2-28	4	4	10000	5	2	n/a	RS232, V.28, RS485, RS422, V.24	-40°C to 85°C	10.00	8.80	7.60
701-SP337EBCT-L	SP337EBCT-L	SOICW-28	3/2	5/2	250/15M	3.3 to 5	15	No	RS-232, V.28, RS-485, RS-422, V.24	0°C to 70°C	12.08	10.74	9.67
701-SP337EBCT-L/TR	SP337EBCT-L/TR	SOICW-28	3/2	5/2	250/15M	3.3 to 5	15	No	RS-232, V.28, RS-485, RS-422, V.24	0°C to 70°C	12.08	10.74	9.67
701-SP337EBCY-L	SP337EBCY-L	TSSOP-28	3/2	5/2	250/15M	3.3 to 5	15	No	RS-232, V.28, RS-485, RS-422, V.24	0°C to 70°C	12.08	10.74	9.67
701-SP337EBET-L	SP337EBET-L	SOICW-28	3/2	5/2	250/15M	3.3 to 5	15	No	RS-232, V.28, RS-485, RS-422, V.24	-40°C to 85°C	12.45	11.30	10.17
701-SP337EBEY-L	SP337EBEY-L	TSSOP-28	3/2	5/2	250/15M	3.3 to 5	15	No	RS-232, V.28, RS-485, RS-422, V.24	-40°C to 85°C	12.45	11.30	10.17
701-SP337EUCT-L	SP337EUCT-L	SOICW-28	3/2	5/2	1M/15M	3.3 to 5	15	No	RS-232, V.28, RS-485, RS-422, V.24	0°C to 70°C	12.20	10.84	9.76
701-SP337EUCY-L	SP337EUCY-L	TSSOP-28	3/2	5/2	1M/15M	3.3 to 5	15	No	RS-232, V.28, RS-485, RS-422, V.24	0°C to 70°C	12.20	10.84	9.76
701-SP337EUET-L	SP337EUET-L	SOICW-28	3/2	5/2	1M/15M	3.3 to 5	15	No	RS-232, V.28, RS-485, RS-422, V.24	-40°C to 85°C	12.45	11.40	10.20
701-SP337EUEY-L	SP337EUEY-L	TSSOP-28	3/2	5/2	1M/15M	3.3 to 5	15	No	RS-232, V.28, RS-485, RS-422, V.24	-40°C to 85°C	12.45	11.40	10.20

## EXAR BUS UARTS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Exar Part No.	Package Type	No. of Channels	CPU Interface	Data Rate 5/3.3/2.5V	Tx/Rx FIFO INT Trig	Supply Voltage (V)	Temperature Range	Price Each		
									1	25	100
701-ST16C1550CJ28-F	ST16C1550CJ28-F	PLCC-28	1	Intel	1.5/0.5/-	4 Levels/4 Levels	5.5V	0°C to 70°C	4.90	4.51	3.90
701-ST16C2550IQ48-F	ST16C2550IQ48-F	TQFP-48	2	Intel	4.0/1.8/-	No/4 Levels	5.5V	-40°C to 85°C	8.65	5.54	4.86
701-XR16C2850CM-F	XR16C2850CM-F	TQFP-48	2	Intel	6.2/4.0/-	Program/Program	5.5V	0°C to 70°C	14.21	12.29	10.03
701-XR16C2850IM-F	XR16C2850IM-F	TQFP-48	2	Intel	6.2/4.0/-	Program/Program	5.5V	-40°C to 85°C	16.27	10.85	9.76
701-XR16L2751CM-F	XR16L2751CM-F	TQFP-48	2	Intel/Motorola	6.2/4.0/3.0	Program/Program	5.5V	0°C to 70°C	9.78	6.26	5.48
701-ST16C554DIJ68-F	ST16C554DIJ68-F	PLCC-68	4	Intel/Motorola	1.5/0.5/-	No/4 Levels	5.5V	-40°C to 85°C	12.83	8.55	7.70
701-ST16C554DIQ64-F	ST16C554DIQ64-F	LQFP-64	4	Intel/Motorola	1.5/0.5/-	No/4 Levels	5.5V	-40°C to 85°C	8.92	7.75	7.50
701-ST16C654IQ64-F	ST16C654IQ64-F	LQFP-64	4	Intel/Motorola	1.5/0.5/-	4 Levels/4 Levels	5.5V	-40°C to 85°C	16.95	14.60	12.36
701-XR16C854IV-F	XR16C854IV-F	LQFP-64	4	Intel/Motorola	2.0/1.5/-	Program/Program	5.5V	-40°C to 85°C	27.54	20.66	19.10
701-XR16C864CQ-F	XR16C864CQ-F	QFP-100	4	Intel/Motorola	2.0/1.5/-	Program/Program	5.5V	0°C to 70°C	30.04	22.53	19.91
701-XR16C864IQ-F	XR16C864IQ-F	QFP-100	4	Intel/Motorola	2.0/1.5/-	Program/Program	5.5V	-40°C to 85°C	31.22	23.42	20.69
701-XR16L784IV-F	XR16L784IV-F	LQFP-64	4	Intel/Motorola	6.2/4.0/-	Program/Program	5.5V	-40°C to 85°C	24.22	20.59	18.17
701-XR16L788CQ-F	XR16L788CQ-F	QFP-100	8	Intel/Motorola	6.2/4.0/-	Program/Program	5.5V	0°C to 70°C	34.70	26.03	24.18
701-XR16L788IQ-F	XR16L788IQ-F	QFP-100	8	Intel/Motorola	6.2/4.0/-	Program/Program	5.5V	-40°C to 85°C	35.86	26.90	23.76

