

TEXAS INSTRUMENTS Analog ICs



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INTERFACE (CONT.)

Ethernet Controller

MOUSER STOCK NO.	Texas Instruments Part No.	Package	MAC	PHY	Ram Buffer (bytes)		LEDs	Interrupt Pin	Max. Speed (Mbps)	Interface	Pre-Prog MAC Address	Security Engines	Price Each			
					Tx	Rx							1	10	100	500
926-DP83816AVNG/NOBP	DP83816AVNG/NOBP	LQFP-144	Yes	Yes	2K	2K	Yes	Yes	100	PCI Bus	No	No	9.98	9.01	7.46	6.50

DockPort Controller

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Supply Voltage (Max.) (V)	Supply Voltage (Min.) (V)	No. of Switches	Bandwidth (GHz)	Insertion Loss (Typ.) (dB)	Propagation Delay Time (ps)	Supply Current (mA)	Operating Temperature (°C)	Price Each			
											1	10	100	500
595-HD3SS2521RHUR	HD3SS2521RHUR	WQFN-56	3.6	3	1	6	-1.5	85	13	0 to 70	4.41	3.96	3.24	2.76

AISG On and Off Keying Coax Modem Transceiver

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Supply Voltage (Max.) (V)	Supply Current (Max.) (mA)	Data Rate (kb/s)	Output Type	Interface	Operating Temperature (°C)	Price Each			
									1	10	100	500
595-SN65HVD63RGTT	SN65HVD63RGTT	QFN-16	5.5	28	115	Open Drain	RS-485	-40 to 105	6.17	5.54	4.54	3.86

Retimer

MOUSER STOCK NO.	Texas Instruments Part No.	Package	No. of Channels	Supply Voltage (Max.) (V)	Propagation Delay Time (ps)	Power Dissipation (mW)	ICC (Max.) (mA)	Speed (Max.) (Gbps)	Operating Temperature (°C)	Price Each			
										1	10	100	500
595-TMDS171RGZT	TMDS171RGZT	WQFN-48	1	3.3	3.6	875	286	3.4	0 to 70	6.17	5.54	4.54	3.86
595-SN65DP149RSBT	SN65DP149RSBT	WQFN-40	1	3.3	600	390	300	3.4	-40 to 85	5.42	4.87	3.99	3.40
595-DS125DF111SQE	DS125DF111SQE	WQFN-24	2	2.5	-	220	333	12.5	-40 to 85	17.27	15.87	13.40	10.28
595-SN65DP159RGZT	SN65DP159RGZT	WQFN-48	2	3.3	3.6	435	50	6	-40 to 85	9.88	8.93	7.39	6.43
595-SN65DP159RSBT	SN65DP159RSBT	WQFN-48	2	3.3	3.6	435	50	6	-40 to 85	9.88	8.93	7.39	6.43
595-SN75DP149RSBT	SN75DP149RSBT	WQFN-40	2	3.3	600	390	10	3.4	0 to 85	4.80	4.31	3.53	3.00
595-SN75DP159RGZT	SN75DP159RGZT	WQFN-40	2	3.6	3.6	435	50	6	0 to 70	8.74	7.90	6.54	5.69
595-SN75DP159RSBT	SN75DP159RSBT	WQFN-40	2	3.6	3.6	435	50	6	0 to 70	8.74	7.90	6.54	5.69
595-HD3SS2521RHUR	HD3SS2521RHUR	WQFN-56	2	3.6	85	-	4.5	5.4	0 to 70	4.41	3.96	3.24	2.08
595-TMDS181RGZT	TMDS181RGZT	WQFN-48	4	3.3	600	900	332	6	0 to 70	8.74	7.90	6.54	5.69
595-DS250DF810ABVT	DS250DF810ABVT	fcBGA-135	8	2.5	-	-	-	25.8	-10 to 85	50.49	47.43	42.53	39.78

Description: DP159, DisplayPort to TMDS Retimer Evaluation Module; DP149, DP++ to HDMI Retimer Evaluation Module; 9.8-12.5 Gbps Retimer Evaluation Module

										Price Each			
										299.00			
										299.00			
										499.00			

Equalizer/Redrivers

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Inputs	Outputs	V _{CC} (Min./Max.) (V)	Max. Speed (Gbps)	Total Throughput (Mbps)	Power Consumption (mW)	Input Level	Output Level	Price Each			
											1	10	100	500
926-DS10BR150TSDNOPB	DS10BR150TSDNOPB	LLP-8	1	1	3.0/3.3	1	1000	53	LVDS, LVPECL, CML	LVDS	2.98	2.67	2.19	1.86
926-DS15BA101SD/NOPB	DS15BA101SD/NOPB	LLP-8	1	1	3.0/3.3	1.5	1500	149	LVDS, LVPECL, CML	CML, LVDS	4.53	4.07	3.33	2.83
926-DS15EA101SQ/NOPB	DS15EA101SQ/NOPB	LLP-16	1	1	3.0/3.3	1.5	1500	207.9	800mVp-p Swing	CML, LVDS	10.39	9.38	7.77	6.76
595-SN75LVP601RTJT	SN75LVP601RTJT	QFN-20	4	4	-0.5/3.3	6	6000	5	CML	VML	5.18	4.40	3.82	3.23
926-AN90004TVS/NOPB	SCAN90004TVS/NOPB	TQFP-48	4	4	3.15/3.45	1.5	6000	385	LVDS, LVPECL, CML	LVDS	8.05	7.27	6.02	5.24

Description: TVB1440 4-Ch, TV Redriver with Equalization Evaluation Module; SN75LVP601 2-Ch, SATA, 6-Gbps, Redriver/Equalizer Evaluation Module

										Price Each			
										399.00			
										199.00			

Peripheral Driver and Actuator

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Drivers per Package	Switching Voltage (Max.) (V)	Peak Output Current (mA)	Delay Time (Typ.) (ns)	Output Voltage (Max.) (V)	Input Compatibility	I _{out} per Channel (Max.) (mA)	I _{out} off (Typ.) (µA)	Operating Temp. Range (°C)	Price Each			
												1	10	100	500
595-TPL7407LDR	TPL7407LDR	SOIC-16	7	40	500	250	40	CMOS, TTL	600	0.01	-40 to 125	.67	.594	.455	.225
595-TPL7407LPWR	TPL7407LPWR	TSSOP-16	7	40	500	250	40	CMOS, TTL	600	0.01	-40 to 125	.67	.594	.455	.225
926-LM3046M/NOPB	LM3046M/NOPB	SOIC-14	5	60	50	-	60	-	50	0.5	-40 to 85	.98	.843	.647	.452

UARTS

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Channels	Data Xfer Rate (Max.) (Mbps)	Supply Voltage (V)	FIFO (byte/s)	I _{CC} (mA)	Additional Features	Operating Temperature Range (°C)	Price Each			
										1	10	100	500
926-PC16550DN/NOPB	PC16550DN/NOPB	DIP-40	1	1.5Mb/s	5	16	15	16-bit Baud Counter	0 to +70	8.01	7.24	5.99	5.19
926-PC16550DV/NOPB	PC16550DV/NOPB	PLCC-44	1	1.5Mb/s	5	16	15	16-bit Baud Counter	0 to +70	8.53	7.71	6.39	5.53
926-PC16552DV/NOPB	PC16552DV/NOPB	PLCC-44	2	1.5Mb/s	5	16	30	16-bit Baud Counter	0 to +70	10.37	9.37	7.76	6.72
595-TL16C752CIPFBRQ1	TL16C752CIPFBRQ1	TQFP-48	2	3MB/s	5.5	64	40	16-Bit Baud Counter	-40 to +85	8.97	8.11	6.71	5.84

ANALOG SWITCHES

MOUSER STOCK NO.	Texas Instruments Part No.	Package	R _{ON} (Max.) (Ω)	I _L OFF (Max.) (mA)	OFF Time (Max.) (ns)	ON Time (Max.) (ns)	Voltage Nodes	R _{ON} Flatness (Typ.) (Ω)	V _{CC}		I _{CC} (µA)	Price Each				
									Max.	Min.		1	10	100	1000	
1 x SPST																
595-TS5A3166QDCKRQ1	TS5A3166QDCKRQ1	SOT-70-5	0.9	-	11.5	7	5, 3.3, 2.5, 1.8	0.09	1.65	5.5	0.01	.83	.694	.448	.358	
595-TS5A3166DBVR	TS5A3166DBVR	SOT-23-5	0.9	±5000	11.5	7	5, 3.3, 2.5, 1.8	0.15	5.5	1.65	0.1	.52	.433	.264	.204	
595-TS5A3166DCKR	TS5A3166DCKR	SC70-5	0.9	±5000	11.5	7	5, 3.3, 2.5, 1.8	0.15	5.5	1.65	0.1	.52	.433	.264	.204	
595-TS5A3166YZPR	TS5A3166YZPR	WCSP-5	0.9	±5000	11.5	7	5, 3.3, 2.5, 1.8	0.15	5.5	1.65	0.1	.59	.495	.301	.233	
595-TS5A3167DBVR	TS5A3167DBVR	SOT-23-5	0.9	±5000	11.5	7	5, 3.3, 2.5, 1.8	0.15	5.5	1.65	0.1	.52	.433	.264	.204	
595-TS5A3167DCKR	TS5A3167DCKR	SC70-5	0.9	±5000	11.5	7	5, 3.3, 2.5, 1.8	0.15	5.5	1.65	0.1	.52	.433	.264	.204	
1 X SPDT																
595-TS5A3159DBVR	TS5A3159DBVR	SOT-23-6	1.1	±1000	15	20	5, 3.3, 2.5, 1.8	0.15	5.5	1.65	0.1	.82	.70	.538	.375	
595-TS5A3159DBVT	TS5A3159DBVT	SOT-23-6	1.1	±1000	15	20	5, 3.3, 2.5, 1.8	0.15	5.5	1.65	0.1	1.31	1.12	.86	.60	
595-TS5A3159DCKR	TS5A3159DCKR	SC70-6	1.1	±1000	15	20	5, 3.3, 2.5, 1.8	0.15	5.5	1.65	0.1	.82	.70	.538	.375	
595-TS5A3159DCKT	TS5A3159DCKT	SC70-6	1.1	±1000	15	20	5, 3.3, 2.5, 1.8	0.15	5.5	1.65	0.1	1.31	1.12	.86	.60	
595-TS5A2053DCTR	TS5A2053DCTR	SM8-8	7.5	±10	4.1	6.8	5, 3.3, 2.5, 1.8	1.7	5.5	1.65	0.1	.55	.465	.30	.24	
595-TS5A2053DCUR	TS5A2053DCUR	US8-8	7.5	±10	4.1	6.8	5, 3.3, 2.5, 1.8	1.7	5.5	1.65	0.1	.55	.465	.30	.24	
595-TS12A1251DCNR	TS12A1251DCNR	SOT-23	8	50	56	115	3.3, 5, 12	2.2	12	2.7	-	1.39	1.19	.914	.638	
1 X SP3T																
595-TS5A3359DCUR	TS5A3359DCUR	US8-8	0.9	-	10.5	21	5, 3.3, 2.5, 1.8	0.25	5.5	1.65	2	.93	.795	.611	.426	
2 X SPST																
595-TS5A23166DCUR	TS5A23166DCUR	US8-8	0.9	±10000	13	9	5, 3.3, 2.5, 1.8	0.25	5.5	1.65	0.15	.89	.744	.48	.384	
595-TS5A23157QDGSRQ1	TS5A23157QDGSRQ1	SSOP-10	10	±1000	3.8	5.7	1.8, 2.5, 3.3, 5.0	4	1.65	5.5	10	.86	.742	.57	.398	
2 X SPDT																
595-TS3A225EYFFR	TS3A225EYFFR	DSBGA-16	0.1	1000	-	-	1.8	0.1	4.5	2.7	-	.94	.849	.662	.36	
595-TS3A4741DCNR	TS3A4741DCNR	SOT-23	0.9	-	10	14	1.8, 2.5, 3, 3.3	0.4	3.6	1.65	0.75	.88	.796	.621	.338	
595-TS5A22366YFCR	TS5A22366YFCR	DSBGA-12	1.8	-	325	374	2.5, 3, 3.3, 5	0.37	5.5	2.25	7	1.27	1.14	.89	.484	
595-TS5A23157DGSR	TS5A23157DGSR	MSOP-10	10	±1000	3.8	5.7	5, 3.3, 2.5, 1.8	4	5.5	1.65	10	.85	.713	.46	.368	
595-TS3A225ERTER	TS3A225ERTER	WQFN-16	10	1000	1	1	1.8	0.1	2.7	4.5	5	.94	.849	.662	.36	