










Signal Switches for Various Interfaces

	Data-Rate	Signal Swing	# of Data Lines	Signal Switch Device
USB 2.0	480Mhz	Data swing 0mV to 400mV VBUS = 5V	3 Data lines +1 VBUS	TS3USB221/A/E TS3USB3x/E TS5USBA224 
USB3.0	5Gbps	Data swing 0V to 400mV VBUS = 5V	6 Data lines +1 VBUS line/ 7 Data lines +1 VBUS line	HD3SS3412* HD3SS3415* 
VGA	<50Mbps	Data line 0.7V Control line 5V	5 Line (9-pin connector)/ 9 line (15 pin connector)	TS3V712E TS3V713EL 
DVI/ HDMI/ DisplayPort	3.4Gbps	Data Swing 2.7V to 3.3V Control Lines up to 5V	12 Data Lines	TS3DV20812 TS3DV421 
Ethernet	1Gbps	3.3V	8 Lines	TS3L500AE TS3L501E 
RS-485/ 422/ 232/ CAN	>200Mbps	±5V to ±15V	2 Line or multiples	TS36A416xx* TS12A12511 
Audio	<20KHz	-5V to 5V	2 Lines, 5 Lines	TS5A22364 
eSATA	6Gbps	1V	4 Line	HD3SS3412* HD3SS3415* 
DDR2/DDR3 Memory	1066MHz	1.8V/1.5V	12 lines total	TS3DDR3812 TS2DDR2811 

*Denotes Unreleased Device