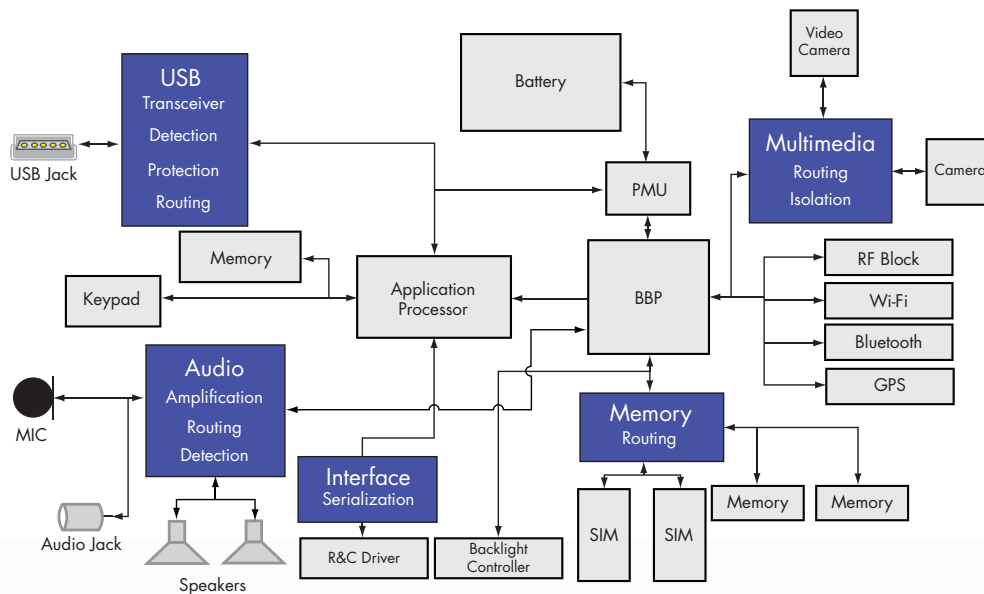


Fairchild's Offering

Fairchild Semiconductor offers extensive signal path expertise with a particular focus on USB, audio, video and signal routing applications. Fairchild's analog switch and interface products provide innovative detection and routing capabilities to meet your design needs.



*Mobile Graphic Guide:
All Fairchild products are highlighted in blue*

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USB SWITCHES

USB Switches											
Product Number	Type	Path Type	Port	Signal Range	R _{ON} (Ω)	C _{ON} (pF)	Bandwidth (MHz)	V _{CC} (V)	I _{CC} (A)	ESD HBM (kV)	Package
FSUSB104	DPDT (1x)	1 USB (HS / FS)	D+ / D-	0 to 4.3V	3.9	3.7	720	3.0 to 4.3	1μ	8	UMLP (UMX) (10-lead, 1.4x1.8mm, 0.4mm pitch)
		1 USB (HS / FS)									
FSUSB11	DPDT (1x)	1 USB (FS)	D+ / D-	0 to V _{CC}	2.7	40	350	1.65 to 5.50	1μ	8	UMLP (UMX) (10-lead, 1.4x1.8mm, 0.4mm pitch) TSSOP (MTCX) (14-lead, 5x6.4mm, 0.65mm pitch)
		1 USB (FS)									
FSUSB20	DPDT (1x)	1 USB (HS / FS)	D+ / D-	0 to V _{CC}	5	12	750	3.0 to 3.6	1μ	7	MicroPak™ (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch) MSOP (MUX) (10-lead, 3x4.9mm, 0.5mm pitch) DQFN (BQX) (14-lead, 3.0x2.5mm, 0.5mm pitch)
		1 USB (HS / FS)									
FSUSB22	DPDT (1x)	1 USB (HS / FS)	D+ / D-	0 to V _{CC}	5	12	750	3.0 to 3.6	1μ	4	DQFN (BQX) (16-lead, 3.5x2.5mm, 0.5mm pitch) TSSOP (MTCX) (16-lead, 6.4x5mm, 0.65mm pitch) QSOP (QSCX) (16-lead, 3.9x5mm, 0.65mm pitch)
		1 USB (HS / FS)									
	DPDT (1x)	1 USB (HS / FS)	D+ / D-								
		1 USB (HS / FS)									
FSUSB23	DPDT (1x)	1 USB (HS / FS)	D+ / D-	0 to V _{CC}	6	9	720	3.0 to 3.6	1μ	7	DQFN (BQX) (16-lead, 3.5x2.5mm, 0.5mm pitch) MicroPak (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch)
		1 USB (HS / FS)									
FSUSB30	DPDT (1x)	1 USB (HS / FS)	D+ / D-	0 to V _{CC}	6.5	3.7	720	3.0 to 4.3	1μ	8	MicroPak (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch) DQFN (BQX) (14-lead, 3.0x2.5mm, 0.5mm pitch) MSOP (MUX) (10-lead, 3x4.9mm, 0.5mm pitch) UMLP (UMX) (10-lead, 1.4x1.8mm, 0.4mm pitch)
		1 USB (HS / FS)									
FSUSB31	SPST (2x)	1 USB (HS / FS)	D+ / D-	0 to V _{CC}	6.5	3.7	720	3.0 to 4.3	1μ	7.5	MicroPak (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch) DQFN (BQX) (14-lead, 3.0x2.5mm, 0.5mm pitch) MSOP (MUX) (10-lead, 3x4.9mm, 0.5mm pitch) UMLP (UMX) (10-lead, 1.4x1.8mm, 0.4mm pitch)
FSUSB40	DPDT (1x)	1 USB (HS / FS)	D+ / D-	0 to V _{CC}	3.9	5.9	720	3.0 to 4.3	1μ	7	MicroPak (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch) UMLP (UMX) (10-lead, 1.4x1.8mm, 0.4mm pitch)
		1 USB (HS / FS)									

USB & MULTIMEDIA SWITCHES

USB Switches (Continued)											
Product Number	Type	Path Type	Port	Signal Range	R _{ON} (Ω)	C _{ON} (pF)	Bandwidth (MHz)	V _{CC} (V)	I _{CC} (A)	ESD HBM (kV)	Package
FSUSB42	DPDT (1x)	1 USB (HS / FS)	D+ / D-	0 to V _{CC}	3.9	3.7	720	3.0 to 4.3	1μ	7	MicroPak (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch)
		1 USB (HS / FS)									MSOP (MUX) (10-lead, 3x4.9mm, 0.5mm pitch)
FSUSB43	DPDT (1x)	1 USB (HS / FS)	D+ / D-	0 to V _{CC}	3.9	3.7	720	3.0 to 4.3	1μ	8	MicroPak (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch)
		1 USB (HS / FS)									
FSUSB45	DPDT (1x)	1 USB (HS / FS)	D+ / D-	0 to V _{CC}	3.9	7	720	3.0 to 4.3	1μ	7	MicroPak (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch)
		1 USB (HS / FS)									UMLP (UMX) (10-lead, 1.4x1.8, 0.4mm pitch)
FSUSB46	SPST (1x)	1 USB (HS / FS)	D+ / D-	0 to V _{CC}	3.9	7	720	3.0 to 4.3	1μ	7	MicroPak (L8X) (8-lead, 1.6x1.6mm, 0.5mm pitch) US8 (K8X) (8-lead, 3.1x2, 0.5mm pitch) UMLP (UMX) (8-lead, 1.2x1.4, 0.4mm pitch)
FSUSB63	3:1 SPDT (1x)	1 USB (HS/FS)	D+ / D-	0 to V _{CC}	6	5	830	2.7 to 4.3	1μA (sleep) 10μA (active)	5	UMLP (UMX) (12-lead, 1.8x1.8, 0.4mm pitch)
		1 USB (HS/FS)									
		1 USB (HS/FS)									

Note: All products have Low I_{CCT} and Power-off protection

Multimedia Switches											
Product Number	Type	Path Type	Port	Signal Range	R _{ON} (Ω)	C _{ON} (pF)	Bandwidth (MHz)	V _{CC} (V)	ESD HBM (kV)	Package	
FSA110	DPST (2x)	USB	D+ / R D- / L	0 to 4.3V (USB)	-	-	-	2.7 to 4.3	2	UMLP (UMX) (10-lead, 1.4x1.8mm, 0.4mm pitch)	
		Audio (Neg. Swing)		(V _{AUDIO} - 4.3) to V _{AUDIO}	1.5	-	-	2.7 to 4.3		US8 (K8X) (8-lead, 3.1x2mm, 0.5mm pitch)	
FSA201	DPDT (1x)	1 USB (HS / FS)	D+ / R D- / L	0 to 3.6V (USB)	3	25	400	V _{BUS}	8	MicroPak (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch)	
		1 Audio Path (Neg. Swing)		(V _{AUDIO} - 6.5) to V _{AUDIO}	0.5	29	-	V _{AUDIO} = 2.7 to 3.6		MSOP (MUX) (10-lead, 3x4.9mm, 0.5mm pitch)	
FSA203	DPDT (1x) Video Filter SPDT (1x)	1 USB (HS / FS)	D+ / R D- / L	0 to 3.6V (USB)	4	7.6	780	V _{BUS}	6.5	DQFN (BQX) (20-lead, 2.5x4.5mm, 0.5mm pitch) TSSOP (MTCX) (20-lead, 6.5x6.4mm, 0.65mm pitch)	
		1 Audio Path (Neg. Swing)		(V _{AV} - 5.5) to V _{AV}	3.5	9.7	-	V _{AV} = 3.0 to 3.6			
		ID	Vid / Mic	(V _{AV} - 5.5) to V _{AV}	3	10	615	V _{AV} = 3.0 to 3.6			
		1 Microphone		(V _{AV} - 5.5) to V _{AV}							
1 Video Filter	Video Out	1.2 V _{PP}	2.5k	-	8	V _{AV} = 3.0 to 3.6					
FSA221	DPDT (1x)	1 USB (HS / FS)	D+ / R D- / L	0 to 3.6V (USB)	4	4.5	720	V _{BUS}	7.5	MicroPak (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch)	
		1 Audio Path (Neg. Swing)		(V _{AV} - 5.5) to V _{AV}	3	9	-	V _{AUDIO} = 3.0 to 4.2		MSOP (MUX) (10-lead, 3x4.9mm, 0.5mm pitch) UMLP (UMX) (10-lead, 1.4x1.8, 0.4mm pitch)	

Note: All products have Low I_{CCT} and Power-off protection

MULTIMEDIA SWITCHES

Multimedia Switches (Continued)										
Product Number	Type	Path Type	Port	Signal Range	R _{ON} (Ω)	C _{ON} (pF)	Bandwidth (MHz)	V _{CC} (V)	ESD HBM (kV)	Package
FSA223	DPDT (1x)	1 USB (HS / FS)	D+ / R D- / L	0 to 3.6V (USB)	4	4.5	720	V _{BUS} = 2.7 to 5.5	3	MicroPak (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch) MSOP (MUX) (10-lead, 3x4.9mm, 0.5mm pitch) UMLP (UMX) (10-lead, 1.4x1.8mm, 0.4mm pitch)
		1 Audio Path (Neg. Swing)		(V _{AUDIO} - 5.5) to V _{AUDIO}	3	9	-	V _{AUDIO} = 2.7 to 5.5		
FSA321	DPDT (1x)	1 USB (HS / FS)	D+ / R D- / L	0 to 4.3V (USB)	8	5.4	720	V _{BUS}	8	UMLP (UMX) (10-lead, 1.4x1.8mm, 0.4mm pitch)
		1 Audio Path (Neg. Swing)		(V _{CC} - 4.3) to V _{CC}	1.8	5.4	-	1.8 to 4.3		
FSA800	3:1 Mux SPDT (1x) Charger Detect	1 USB (HS / FS)	D+ / R D- / L	0 to 3.6V (USB)	6	7	720	2.7 to 4.4	4.5	UMLP (UMX) (16-lead, 2.6x1.8mm, 0.4mm pitch)
		1 USB (FS) / UART		0 to V _{CC} (USB or UART)	25	-	-			
		1 Audio Path (Neg. Swing)		-0.8 to 0.8	3	-	-			
		1 Microphone	V _{BUS} or D+	0 to V _{CC} - 1	15	-	-			
FSA801	3:1 Mux DPDT (1x) Charger Detect	1 USB (HS / FS)	D+ / R D- / L	0 to 4.4V (USB)	6	7.6	720	2.7 to 4.4	3	UMLP (UMX) (16-lead, 1.8x2.6x0.55mm, 0.4mm pitch)
		1 Audio Path (Neg. Swing)		V _{CC} - 7 to 2	3	-	-			
		1 Microphone	V _{BUS} or D+	0 to V _{CC} - 1	15	-	-			
FSA805	3:1 Mux SPDT (1x)	1 USB (HS / FS)	D+ / R D- / L	0 to 3.6V (USB)	6	7	1150	2.7 to 4.4	4.5	UMLP (UMX) (12-lead, 1.8x1.8mm, 0.4mm pitch)
		1 USB (FS) / UART		0 to V _{CC} (USB or UART)	25	-	-			
		1 Audio Path (Neg. Swing)		-0.8 to 0.8	3	-	-			
FSA806	3:1 Mux DPDT (1x)	1 USB (HS / FS) / UART	D+ / R D- / L	0 to 4.4V (USB)	6	6.8	-	2.7 to 4.4	3	UMLP (UMX) (12-lead, 1.8x1.8x0.55mm, 0.4mm pitch)
		1 Audio Path (Neg. Swing)		V _{CC} - 7 to 2	3	-	-			
	2:1 Mux DPDT (1x)	1 USB (HS / FS) / UART		3.0 to 4.4V (USB)	8	6	-	3.0 to 4.4V	4	UMLP (UMX) (16-lead, 1.8x2.6x0.55mm, 0.4mm pitch)
		1 USB (FS) / UART		0 to 3.6V (USB or UART)	-	-	-			
FSA2000	DPDT (1x)	1 USB (HS / FS)	D+ / R D- / L	0 to 3.6V (USB)	4	8.8	720	V _{BUS}	2	UMLP (UMX) (16-lead, 2.6x1.8mm, 0.4mm pitch)
		1 Audio Path (Integrated 40mW Headphone Amplifier)		(2.5) to 2.5V	-	-	-	2.7 to 4.3		
FSA9280A (6.8V OVP)	3:1 MUX Charger Detect, ID Detect Integrated FET OCP/OVP	1 USB (HS/FS)	D+ / R D- / L	0 to 3.6V	8	8	-	V _{BAT} = 3.0 to 4.4	4	UMLP (UMX) (20-lead, 3x4mm, 0.5mm pitch)
		1 USB (FS) / UART		0 to 3.6V	25	-	-	V _{BUS_IN} = 4 to 5 V _{DDIO} = 1.8 to 3.6		
FSA9288A (8V OVP)	3:1 MUX Charger Detect, ID Detect Integrated FET OCP/OVP	1 Audio Path (Neg. Swing)	D+ / R D- / L	-0.8 to 3.0V	3	-	-	V _{BAT} = 3.0 to 4.4 V _{BUS_IN} = 4 to 5	3.5	UMLP (UMX) (20-lead, 3x4mm, 0.5mm pitch)
		V _{BUS_OUT} or MIC		V _{BUS_IN} or MIC	0 to 5V	40	-	-		

Note: All products have Low I_{CCT} and Power-off protection.



AUDIO ANALOG SWITCHES

Audio Analog Switches											
Product Number	Type	Signal Range	R _{ON} (Ω)	V _{CC} (V)	Bandwidth (MHz)	C _{ON} (pF)	C _{OFF} (pF)	ESD HBM (kV)	Low I _{ctt}	Power-off Protection	Package
FSA2257	SPDT (Con.) (2x)	0 to V _{CC}	0.95	1.65 to 5.5	200	40	12	8	-	-	MicroPak™ (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch) TSSOP (MTCX) (14-lead, 5x6.4mm, 0.65mm pitch) MSOP (MUX) (10-lead, 3x4.9mm, 0.5mm pitch)
FSA2258	SPDT (Con.) (2x)	0 to V _{CC}	0.8	1.65 to 4.3	200	120	30	16	Yes	Yes	MicroPak (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch)
FSA2259	SPDT (Con.) (2x)	0 to V _{CC}	0.8	1.65 to 4.3	200	120	30	16	Yes	Yes	UMLP (UMX) (10-lead, 1.4x1.8mm, 0.4mm pitch)
FSA2267	SPDT (Con.) (2x)	0 to V _{CC}	0.35	1.65 to 3.6	45	126	30	7.5	-	-	MicroPak (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch) MSOP (MUX) (10-lead, 3x4.9mm, 0.5mm pitch)
FSA2267A	SPDT (Con.) (2x)	0 to V _{CC}	0.35	2.3 to 4.3	45	126	30	7	Yes	-	MicroPak (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch) MSOP (MUX) (10-lead, 3x4.9mm, 0.5mm pitch)
FSA2268	SPDT (Con.) (2x)	0 to V _{CC}	0.4	1.65 to 4.3	>50	120	30	16	Yes	Yes	UMLP (UMX) (10-lead, 1.4x1.8mm, 0.4mm pitch) MicroPak (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch)
FSA2268T	SPDT (Con.) (2x)	0 to V _{CC}	0.4	1.65 to 4.3	>50	120	30	16	Yes	Yes	UMLP (UMX) (10-lead, 1.4x1.8mm, 0.4mm pitch) MicroPak (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch)
FSA2357	DP3T (Con.)	0 to V _{CC}	0.55	2.6 to 4.5	>120	70	42	8	Yes	Yes	DQFN (BQX) (14-lead, 2.5x3mm, 0.5mm pitch) TSSOP (MTCX) (14-lead, 5x6.4mm, 0.65mm pitch)
FSA2467	DPDT (Con.) (2x)	0 to V _{CC}	0.4	1.65 to 4.3	85	118	32	5.5	Yes	-	UMLP (UMX) (10-lead, 1.4x1.8mm, 0.4mm pitch) MicroPak (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch) MLP (MPX) (16-lead, 3x3mm, 0.5mm pitch)
FSA2859	SPDT (2x)	0 to V _{CC}	0.8	1.65 to 5.5	50-60	150	50	8	Yes	Yes	WLCSP (UCX) (12-ball, 1.91x1.41mm, 0.5mm pitch)
NEGATIVE SWING											
FSA2147	DPST (NO) (1x)	V _{CC} - 4.3 to V _{CC}	2.5	2.7 to 4.3	-	-	6	12	Yes	Yes	US8 (K8X) (8-lead, 2x3.1mm, 0.5 pitch)
FSA2269	SPDT (Con.) (2x)	V _{CC} - 4.6 to V _{CC}	0.4	1.65 to 4.3	>50	120	30	12	Yes	Yes	UMLP (UMX) (10-lead, 1.4x1.8mm, 0.4mm pitch) WLCSP (UCX) (12-ball, 1.2mm x 1.6mm, 0.4mm pitch) MicroPak (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch)
FSA2269TS	SPDT (Con.) (2x)	V _{CC} - 4.6 to V _{CC}	0.4	1.65 to 4.3	>50	120	30	12	Yes	Yes	UMLP (UMX) (10-lead, 1.4x1.8mm, 0.4mm pitch) MicroPak (L10X) (10-lead, 1.6x2.1mm, 0.5mm pitch)
FSA2270T	SPDT (Con.) (2x)	V _{CC} - 4.3 to V _{CC}	0.4	1.65 to 4.3	>50	120	30	11	Yes	Yes	UMLP (UMX) (10-lead, 1.4x1.8mm, 0.4mm pitch)
FSA2271T	SPDT (Con.) (2x)	V _{CC} - 4.3 to V _{CC}	0.4	1.65 to 4.3	>50	120	30	10	Yes	Yes	UMLP (UMX) (10-lead, 1.4x1.8mm, 0.4mm pitch)
FSA2367	SPDT (Con.) (3x)	V _{CC} - 5.5 to V _{CC} - 0.3	0.75	2.6 to 4.3	>150	55	20	8	Yes	Yes	DQFN (BQX) (14-lead, 2.5x3mm, 0.5mm pitch) TSSOP (MTCX) (14-lead, 5x6.4mm, 0.65mm pitch)
FSA2380	DP3T (Con.)	V _{CC} - 5.5 to V _{CC} - 0.3	0.75	2.6 to 4.3	>120	70	42	8	Yes	Yes	DQFN (BQX) (14-lead, 2.5x3mm, 0.5mm pitch) TSSOP (MTCX) (14-lead, 5x6.4mm, 0.65mm pitch)
FSA6157	SPDT (Con.) (1x)	V _{CC} - 4.3 to V _{CC}	0.8	1.65 to 4.3	50	150	30	16	Yes	Yes	MicroPak (L6X) (6-lead, 1.45x1mm, 0.5mm pitch)


Note: T-Termination, S-Slow turn-on available

AUDIO ANALOG SWITCHES & GENERAL ANALOG SWITCHES

Audio Jack Detection and Configuration Switches

Product Number	Detection	Switch Type	V _{DD} (V)	V _{IO} (V)	THD (MIC)	ESD (Air Gap) (kV)	Operating Temperature (°C)	Package
FSA8008	Accessory Plug-In, 3- or 4- Pole Audio Jack, Send/End Key Pressed	MIC	2.7 to 4.4	1.6 to V _{DD}	0.01% Typical	15	-40 to 85	UMLP (UMX) (10-lead, 1.4x1.8x0.55mm, 0.4mm pitch)
 FSA8009	3 or 4 pole Audio Jack Send/End (N/O)	MIC / Video	2.5 to 4.3	0 to V _{DD}	0.003	5	-40 to 85	UMLP (UMX) (10-lead, 1.4x1.8x0.55mm, 0.4mm pitch)
 FSA8029	3 or 4 pole Audio Jack, Send/End (N/O & N/C)	MIC / Video	2.5 to 4.3	0 to V _{DD}	0.003	5	-40 to 85	UMLP (UMX) (10-lead, 1.4x1.8x0.55mm, 0.4mm pitch)

Mobile High-Definition Link (MHL) Switch

Product Number	Standard	Switch Type	V _{DD} (V)	Bandwidth (MHz)	ESD (Air Gap) (kV)	Package
 FSA3200	MHL Switch w/ID	DPDT (1x) + SPDT (1x)	2.7 to 4.3	1.9GHz (MHL)	3.5	UMLP (UMX) (16-lead, 1.8x2.6x0.55mm, 0.4mm pitch)

General Analog Switches

Product Number	Type	Signal Range	R _{ON} (Ω)	V _{CC} (V)	Bandwidth (MHz)	C _{ON} (pF)	C _{OFF} (pF)	ESD HBM (kV)	Low I _{CTT}	Power-off Protection	Package
FSA1156	SPST (NO) (1x)	0 to V _{CC}	0.75	1.65 to 5.5	300	65	20	8	-	-	MicroPak™ (L6X) (6-lead, 1.45x1mm, 0.5mm pitch) SC70 (P6X) (6-lead, 2x1.25mm, 0.65mm pitch)
FSA1157	SPST (NC) (1x)	0 to V _{CC}	0.75	1.65 to 5.5	300	65	20	8	-	-	MicroPak (L6X) (6-lead, 1.45x1mm, 0.5mm pitch) SC70 (P6X) (6-lead, 2x1.25mm, 0.65mm pitch)
FSA1256	SPST (NO) (2x)	0 to V _{CC}	0.95	1.65 to 5.5	300	27	11.5	5.5	-	-	MicroPak (L8X) (8-lead, 1.6x1.6mm, 0.5mm pitch)
FSA1256A	SPST (NO) (2x)	0 to V _{CC}	0.95	2.7 to 5.5	300	27	11.5	4.5	Yes	-	MicroPak (L8X) (8-lead, 1.6x1.6mm, 0.5mm pitch)
FSA1257	SPST (NC) (2x)	0 to V _{CC}	0.95	1.65 to 5.5	300	27	11.5	5.5	-	-	MicroPak (L8X) (8-lead, 1.6x1.6mm, 0.5mm pitch)
FSA1257A	SPST (NC) (2x)	0 to V _{CC}	0.95	2.7 to 5.5	300	27	11.5	4.5	Yes	-	MicroPak (L8X) (8-lead, 1.6x1.6mm, 0.5mm pitch)
FSA1258	SPST (NO/NC) (2x)	0 to V _{CC}	0.95	1.65 to 5.5	300	27	11.5	5.5	-	-	MicroPak (L8X) (8-lead, 1.6x1.6mm, 0.5mm pitch)
FSA1258A	SPST (NO/NC) (2x)	0 to V _{CC}	0.95	2.7 to 5.5	300	27	11.5	4.5	Yes	-	MicroPak (L8X) (8-lead, 1.6x1.6mm, 0.5mm pitch)
FSA1259	SPST (NO) (2x)	0 to V _{CC}	1	1.65 to 5.5	240	47	21	8	-	Yes	US8 (K8X) (8-lead, 2x3.1mm, 0.5mm pitch)
FSA1259A	SPST (NO) (2x)	0 to V _{CC}	1	1.65 to 5.5	240	47	21	8	Yes	Yes	US8 (K8X) (8-lead, 2x3.1mm, 0.5mm pitch)
FSA2156	SPST (NO) (1x)	0 to V _{CC}	0.4	3.0 to 4.3	80	115	38	8	Yes	-	MicroPak (L6X) (6-lead, 1.45x1mm, 0.5mm pitch) SC70 (P6X) (6-lead, 2x1.25mm, 0.65mm pitch)
FSA2466	DPDT (2x)	0 to V _{CC}	2.5	1.65 to 4.3	245	16	6	8	Yes	-	UMLP (UMX) (16-lead, 1.8x2.6mm, 0.4mm pitch)
FSA266	SPST (NO) (2x)	0 to V _{CC}	6	1.65 to 5.5	300	10	5	4	-	-	MicroPak (L8X) (8-lead, 1.6x1.6mm, 0.5mm pitch) US8 (K8X) (8-lead, 2x3.1mm, 0.5mm pitch)

GENERAL ANALOG SWITCHES

General Analog Switches (Continued)											
Product Number	Type	Signal Range	R _{ON} (Ω)	V _{CC} (V)	Bandwidth (MHz)	C _{ON} (pF)	C _{OFF} (pF)	ESD HBM (kV)	Low I _{CCT}	Power-off Protection	Package
FSA3157	SPDT (Con.) (1x)	0 to V _{CC}	5	1.65 to 5.5	250	19	6.5	4	–	–	MicroPak (L6X) (6-lead, 1.45x1mm, 0.5mm pitch) SC70 (P6X) (6-lead, 2x1.25mm, 0.65mm pitch)
FSA3357	SP3T (Con.) (1x)	0 to V _{CC}	5	1.65 to 5.5	250	14.5	3.6	5.5	–	–	MicroPak (L8X) (8-lead, 1.6x1.6mm, 0.5mm pitch) US8 (K8X) (8-lead, 2x3.1mm, 0.5mm pitch)
FSA4157	SPDT (Con.) (1x)	0 to V _{CC}	0.95	1.65 to 5.5	350	40	12	7.5	–	–	MicroPak (L6X) (6-lead, 1.45x1mm, 0.5mm pitch) SC70 (P6X) (6-lead, 2x1.25mm, 0.65mm pitch)
FSA4157A	SPDT (Con.) (1x)	0 to V _{CC}	0.95	2.7 to 5.5	350	40	12	7.5	Yes	–	MicroPak (L6X) (6-lead, 1.45x1mm, 0.5mm pitch) SC70 (P6X) (6-lead, 2x1.25mm, 0.65mm pitch)
FSA4159	SPDT (Con.) (1x)	0 to V _{CC}	1	1.65 to 5.5	180	41	12	4	Yes	Yes	MicroPak (L6X) (6-lead, 1.45x1mm, 0.5mm pitch) SC70 (P6X) (6-lead, 2x1.25mm, 0.65mm pitch)
FSA5157	SPDT (Con.) (1x)	0 to V _{CC}	0.35	1.65 to 3.6	45	90	21	8	Yes	–	MicroPak (L6X) (6-lead, 1.45x1mm, 0.5mm pitch) SC70 (P6X) (6-lead, 2x1.25mm, 0.65mm pitch)
FSA66	SPST (NO) (1x)	0 to V _{CC}	5	1.65 to 5.5	250	6	–	4	Yes	–	MicroPak (L6X) (6-lead, 1.45x1mm, 0.5mm pitch) SC70 (P5X) (5-lead, 2x1.25mm, 0.65mm pitch) SOT23 (M5X) (5-lead, 3x3mm, 0.95mm pitch)
FSA839	SPDT (Con.) (1x)	0 to V _{CC}	0.8	1.65 to 5.5	50-60	150	50	8	Yes	Yes	WL-CSP (UCX) (6-ball, 1.6x0.76mm, 0.4mm pitch)
FSA859	SPDT (Con.) (1x)	0 to V _{CC}	0.8	1.65 to 5.5	50-60	150	50	8	Yes	Yes	WL-CSP (UCX) (8-ball, 1.91x0.91mm, 0.5mm pitch)
FSAU3157	SPDT (Con.) (1x)	0 to V _{CC}	5	1.65 to 5.5	250	18.5	6.5	4.5	–	–	SC70 (P6X) (6-lead, 2x1.25mm, 0.65mm pitch)
NC7SB3157	SPDT (Con.) (1x)	0 to V _{CC}	5	1.65 to 5.5	250	18.5	6.5	4	–	–	MicroPak (L6X) (6-lead, 1.45x1mm, 0.5mm pitch) SC70 (P6X) (6-lead, 2x1.25mm, 0.65mm pitch)
NC7SBU3157	SPDT (Con.) (1x)	0 to V _{CC}	5	1.65 to 5.5	250	18.5	6.5	4.5	–	–	SC70 (P6X) (6-lead, 2x1.25mm, 0.65mm pitch)
NC7SZ66	SPST (NO) (1x)	0 to V _{CC}	5	1.65 to 5.5	–	–	–	2	–	–	MicroPak (L6X) (6-lead, 1.45x1mm, 0.5mm pitch) SC70 (P5X) (5-lead, 2x1.25mm, 0.65mm pitch) SOT23 (M5X) (5-lead, 3x3mm, 0.95mm pitch)
NC7WB66	SPST (NO) (2x)	0 to V _{CC}	6	1.65 to 5.5	300	10	5	4	–	–	MicroPak (L8X) (8-lead, 1.6x1.6mm, 0.5mm pitch) US8 (K8X) (8-lead, 2x3.1mm, 0.5mm pitch)

SIGNAL ROUTING & BUS SWITCHES

Signal Routing Switches											
Product Number	Type	Applications	R _{ON} (Ω)	V _{CC} (V)	Bandwidth (MHz)	C _{ON} (pF)	C _{OFF} (pF)	ESD HBM (kV)	Low I _{CC}	Power-off Protection	Package
FSA1211	12PST (NC)	Camera	9	3 to 4.3	>720	6	2	5.5	Yes	-	UMLP (UMX) (28-lead, 3.5x4mm, 0.4mm pitch) UMLP (UDMX) Dual Row (28-lead, 3.6x2.9mm, 0.3mm pitch)
FSA1208	SPST (NC) (8x)	Memory	15	2.3 to 4.3	>400	6	2.5	7.5	Yes	-	MLP (BGX) (20-lead, 2.5x4.5mm, 0.5mm pitch)
NEW! FSA641	2:1 MUX	MIPI	7	2.65 to 4.3	720	8	2.5	6.5	Yes	-	UMLP (UMX) (20-lead, 3x3x0.55mm, 0.4mm pitch)
FSA642	TPDT (Con.) (1x)	MIPI	7	2.65 to 4.3	720	7	2.5	16	Yes	-	UMLP (UMX) (20-lead, 3x3x0.55mm, 0.4mm pitch)
NEW! FSA644	2:1 MUX 4-Data & 1-CLK	MIPI	8	1.65 to 4.3	600	6	2	5.5	Yes	-	MCSP (MCSX), (40-lead, 2.97x3.47x0.66mm, 0.5mm pitch)
FSA2457	DPDT (Con.) (2x)	SIM/SD/MMC	5	2.7 to 3.6	>160	12	6	8	Yes	-	UMLP (UMX) (16-lead, 1.8x2.6mm, 0.4mm pitch)
FSA2567	4PDT (Con.) (2x)	SIM/SD/MMC	6	2.7 to 4.3	>160	110	40	12	Yes	-	UMLP (UMX) (16-lead, 1.8x2.6mm, 0.4mm pitch) MLP (MPX) (16-lead, 3x3mm, 0.5mm pitch)
FSSD06	6PDT (Con.) (1x)	SIM/SD/MMC	4	1.65 to 3.6; V _{DDH} to 3.6	120	9	4	8	Yes	-	MLP (BGX) (24-lead, 3.5x4.5mm, 0.5mm pitch) UMLP (UMX) (24-lead, 2.5x3.4mm, 0.4mm pitch)
FSSD07	6PDT (Con.) (1x)	SIM/SD/MMC	4	1.65 to 3.6; V _{DDH} to 3.6	75	9	4	8	Yes	-	MLP (BGX) (24-lead, 3.5x4.5mm, 0.5mm pitch) UMLP (UMX) (24-lead, 2.5x3.4mm, 0.4mm pitch)
FSA3259	SP3T (Con.) (2x)	UART	5	1.65 to 5.5	250	14.5	3.6	5.5	-	-	DQFN (BGX) (14-lead, 2.5x3mm, 0.5mm pitch)

Bus Switches						
Product Number	Number of Bits	Configuration	Control State	R _{ON} (Ω)	V _{CC} (V)	Package
FSLV16211	24	2x12	Low	5	2.3 to 3.6	TSSOP (MTD), (56-lead, 8.1x14mm, 0.5mm pitch)
FST3125	4	4x1	Low	4	4 to 5.5	TSSOP (MTCX), (14-lead, 5x6.4mm, 0.65mm pitch) SOIC (MX), (14-lead, 6x8.75mm, 1.27mm pitch)
FST3126	4	4x1	High	4	4 to 5.5	TSSOP (MTCX), (14-lead, 5x6.4mm, 0.65mm pitch) SOIC (MX), (14-lead, 6x8.75mm, 1.27mm pitch)
FST3244	8	4x2	Low	4	4 to 5.5	TSSOP (MTCX), (20-lead, 6.4x6.5mm, 0.65mm pitch) SOIC (MX), (20-lead, 10.65x13mm, 1.27mm pitch)
FST3257	8	4x2:1	Low	4	4 to 5.5	TSSOP (MTCX), (16-lead, 5x6.4mm, 0.65mm pitch) SOIC (MX), (16-lead, 6x10mm, 1.27mm pitch)
FST3306	2	2x1	Low	3	4 to 5.5	TSSOP (MTCX), (8-lead, 6.4x3mm, 0.65mm pitch)
FSTD16211	24	2x12	Low	4	4.5 to 5.5	TSSOP (MTD), (56-lead, 8.1x14mm, 0.5mm pitch)
FSTUD16211	24	2x12	Low	4	4.5 to 5.5	TSSOP (MTD), (56-lead, 8.1x14mm, 0.5mm pitch)
NC7SZ384	1	-	Low	5	4 to 5.5	MicroPak (L6X), (6-lead, 1.45x1mm, 0.5mm pitch) SC70 (P5X), (5-lead, 2.1x2mm, 0.65mm pitch) SOT23 (M5X), (5-lead, 3x3mm, 0.95mm pitch)
NC7WB3125	2	2x1	Low	3	4 to 5.5	MicroPak (L8X), (8-lead, 1.6x1.6mm, 0.5mm pitch) US8 (K8X), (8-lead, 2x3.1mm, 0.5mm pitch)

VIDEO SWITCHES & USB TRANSCEIVERS

Video Switches											
Product Number	Type	Number of Switches	Signals	R _{ON} (Ω)	V _{CC} (V)	Leakage Current (μA)	Crosstalk (dB)	Off Isolation (dB)	ESD (kV)	Bandwidth (MHz)	Package Type
FSAV330	SPDT	4	CMOS TTL	3	4.75 to 5.25	1	-73	-56	4	300	TSSOP (MTCX) (16-lead, 5x6.4mm, 0.65mm pitch) SOIC (MX) (16-lead, 6x10mm, 1.27mm pitch)
FSAV331	4:01	2	-	3	4.75 to 5.25	1	-54	-84	2	368	TSSOP (MTCX) (16-lead, 5x6.4mm, 0.65mm pitch)
FSAV430	SPDT	4	RGB Pr/Y/Pb Composite	5	3.0 to 3.6	1	-75	-53	4	800	TSSOP (MTCX) (16-lead, 5x6.4mm, 0.65mm pitch) DQFN (BQX) (16-lead, 2.5x3.5mm, 0.5mm pitch)
FSAV433	SP3T	3	Pr/Y/Pb	12	2.3 to 3.6	1	-75	-55	4	650	TSSOP (MTCX) (20-lead, 6.4x6.5mm, 0.65mm pitch) DQFN (BQX) (20-lead, 2.5x4.5mm, 0.5mm pitch)
FSAV450	SPDT	4	RGB Pr/Y/Pb Composite	5	4.5 to 5.5	1	-75	-60	2	800	TSSOP (MTCX) (16-lead, 5x6.4mm, 0.65mm pitch) DQFN (BQX) (16-lead, 2.5x3.5mm, 0.5mm pitch)
FSHDMI04	2:1	8	HDMI	15	3.0 to 3.6	1	-26	-25	8	825	TSSOP (MTDX) (48-lead, 8.1x12.5mm, 0.5mm pitch)
FSHDMI08	2:1	12	HDMI DDC CEC	19	3.0 to 4.3	1	-25	-30	8	-	TSSOP (MTDX) (56-lead, 8.1x14mm, 0.5mm pitch)

USB Transceivers								
Product Number	Speed	USB Spec	Driver Input Mode	Driver I/O (I/O or separate inputs and outputs)	V _{BUS} Regulator	Voltage Translation	Features	Package
USB1T11A	LS, FS	1.1	Differential or SE	Separate	No	No	-	SOIC (MX) (14-lead, 8.75x6mm, 1.27mm pitch) TSSOP (MTCX) (14-lead, 5x6.4mm, 0.65mm pitch)
USB1T20	LS, FS	2	Differential or SE	Separate	No	No	-	TSSOP (MTCX) (14-lead, 5x6.4mm, 0.65mm pitch)
USB1T1103	FS	2	Differential	I/O	Yes	Yes	Functional Equivalent to ISP1102	MLP (MPX) (14-lead, 2.5x2.5mm, 0.5mm pitch) MLP (MHX) (16-lead, 3x3mm, 0.5mm pitch)
USB1T1105A	FS	2	Differential or SE	Separate	Yes	Yes	-	MLP (MHX) (16-lead, 3x3mm, 0.5mm pitch)
FUSB1500	LS, FS	2	SE	Separate	No	Yes	Charger detect (resistive)	MLP (MHX) (16-lead, 3x3mm, 0.5mm pitch)
FUSB2500	HS	2	SE	Separate	No	Yes	Charger detect (resistive)	BGA (GFX) (36-ball, 3.5x3.5mm, 0.5mm pitch)
FUSB2805	HS	2	SE	Separate	No	Yes	-	MLP (MLX) (32-lead, 5x5x0.8mm, 0.5mm pitch)



μSerDes					
Product Number	Number of Bits	Serial IO	Speed (MHz)	ESD (kV)	Package
FIN210AC	10	CTL	48	15	MLP (MLX), (32-lead, 5x5mm, 0.5mm pitch) BGA (GFX), (42-ball, 4.5x3.5mm, 0.5mm pitch)
FIN212AC	12	CTL	40	14	MLP (MLX), (32-lead, 5x5mm, 0.5mm pitch) BGA (GFX), (42-ball, 4.5x3.5mm, 0.5mm pitch)
FIN224C	24	CTL	20	15	MLP (MLX), (40-lead, 6x6mm, 0.5mm pitch)
FIN224AC	22	CTL	20	15	MLP (MLX), (40-lead, 6x6mm, 0.5mm pitch) BGA (GFX), (42-ball, 4.5x3.5mm, 0.5mm pitch)
FIN324C	24	CTL	15	14.5	MLP (MLX), (40-lead, 6x6mm, 0.5mm pitch) BGA (GFX), (42-ball, 4.5x3.5mm, 0.5mm pitch)
FIN424C	20	CTL	10	15	MLP (MLX), (32-lead, 5x5mm, 0.5mm pitch)
FIN425C	20	CTL	10	15	MLP (MLX), (32-lead, 5x5mm, 0.5mm pitch)

LVDS					
Product Number	Function	Number of Bits	Max Speed (Mbps)	V _{CC} (V)	Package
FIN1001	Line Driver	1	600	3.3	SOT23 (M5X), (5-lead, 3x3mm, 0.95mm pitch)
FIN1002	Receiver	1	400	3.3	SOT23 (M5X), (5-lead, 3x3mm, 0.95mm pitch)
FIN1017	Line Driver	1	600	3.3	SOIC (MX), (8-lead, 6.2x5mm, 1.27mm pitch) US8 (K8X), (8-lead, 3.1x2mm, 0.5mm pitch)
FIN1018	Receiver	1	400	3.3	SOIC (MX), (8-lead, 6.2x5mm, 1.27mm pitch) US8 (K8X), (8-lead, 3.1x2mm, 0.5mm pitch)
FIN1019	Transceiver	1+1	400	3.3	TSSOP (MTCX), (14-lead, 5x6.4mm, 0.65mm pitch) SOIC (MX), (14-lead, 6x8.75mm, 1.27mm pitch)
FIN1022	Crosspoint Switch	2x2	800	3.3	TSSOP (MTCX), (16-lead, 5x6.4mm, 0.65mm pitch) SOIC (MX), (16-lead, 6x10mm, 1.27mm pitch)
FIN1027	Line Driver	2	600	3.3	SOIC (MX), (8-lead, 6.2x5mm, 1.27mm pitch) US8 (K8X), (8-lead, 3.1x2mm, 0.5mm pitch)
FIN1027A	Line Driver	2	600	3.3	SOIC (MX), (8-lead, 6.2x5mm, 1.27mm pitch)
FIN1028	Receiver	2	400	3.3	SOIC (MX), (8-lead, 6.2x5mm, 1.27mm pitch)
FIN1031	Line Driver	4	400	3.3	TSSOP (MTCX), (16-lead, 5x6.4mm, 0.65mm pitch) SOIC (MX), (16-lead, 6x10mm, 1.27mm pitch)
FIN1032	Receiver	4	400	3.3	TSSOP (MTCX), (16-lead, 5x6.4mm, 0.65mm pitch) SOIC (MX), (16-lead, 6x10mm, 1.27mm pitch)
FIN1047	Line Driver	4	400	3.3	TSSOP (MTCX), (16-lead, 5x6.4mm, 0.65mm pitch) SOIC (MX), (16-lead, 6x10mm, 1.27mm pitch)

LVDS (Continued)					
Product Number	Function	Number of Bits	Max Speed (Mbps)	V _{CC} (V)	Package
FIN1048	Receiver	4	400	3.3	TSSOP (MTCX), (16-lead, 5x6.4mm, 0.65mm pitch) SOIC (MX), (16-lead, 6x10mm, 1.27mm pitch)
FIN1049	Transceiver	2+2	400	3.3	TSSOP (MTCX), (16-lead, 5x6.4mm, 0.65mm pitch)
FIN1101	Repeater	1	1600	3.3	SOIC (MX), (8-lead, 6.2x5mm, 1.27mm pitch) US8 (K8X), (8-lead, 3.1x2mm, 0.5mm pitch)
FIN1104	Repeater	4	1600	3.3	TSSOP (MTCX), (24-lead, 6.4x7.8mm, 0.65mm pitch)
FIN1108	Repeater	8	1600	3.3	TSSOP (MTDX), (48-lead, 8.1x12.5mm, 0.5mm pitch)
FIN1215	Serializer	21 to 3	462	3.3	TSSOP (MTDX), (48-lead, 8.1x12.5mm, 0.5mm pitch)
FIN1216	Deserializer	3 to 21	462	3.3	TSSOP (MTDX), (48-lead, 8.1x12.5mm, 0.5mm pitch)
FIN1217	Serializer	21 to 3	595	3.3	TSSOP (MTDX), (48-lead, 8.1x12.5mm, 0.5mm pitch)
FIN1218	Deserializer	3 to 21	595	3.3	TSSOP (MTDX), (48-lead, 8.1x12.5mm, 0.5mm pitch)
FIN1531	Line Driver	4	400	5	TSSOP (MTCX), (16-lead, 5x6.4mm, 0.65mm pitch) SOIC (MX), (16-lead, 6x10mm, 1.27mm pitch)
FIN1532	Receiver	4	400	5	TSSOP (MTCX), (16-lead, 5x6.4mm, 0.65mm pitch) SOIC (MX), (16-lead, 6x10mm, 1.27mm pitch)
FIN3383	Serializer	28 to 4	462	3.3	TSSOP (MTDX), (56-lead, 8.1x14mm, 0.5mm pitch)
FIN3384	Deserializer	4 to 28	462	3.3	TSSOP (MTDX), (56-lead, 8.1x14mm, 0.5mm pitch)
FIN3385	Serializer	28 to 4	595	3.3	TSSOP (MTDX), (56-lead, 8.1x14mm, 0.5mm pitch)
FIN3386	Deserializer	4 to 28	595	3.3	TSSOP (MTDX), (56-lead, 8.1x14mm, 0.5mm pitch)

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- Continuous Conduction Mode (CCM) PFC Controllers
- Critical/Boundary Conduction Mode (CrCM/BCM) PFC Controllers
- Interleaved PFC Controllers
- PFC + PWM Combination (Combo) Controllers

Off-line and Isolated DC-DC

- Flyback & Forward PWM Controllers
- Flyback & Forward PWM Controllers with Integrated MOSFET
- LLC Resonant & Asymmetric Half Bridge PWM Controllers
- LLC Resonant & Asymmetric Half Bridge PWM Controllers with Integrated MOSFETs
- Primary-Side Regulation CV/CC Controllers
- Primary-Side Regulation CV/CC Controllers with Integrated MOSFET
- Standard PWM Controllers
- Supervisory/Monitor ICs
- Synchronous Rectifier Controllers

Non-Isolated DC-DC

- Charge-Pump Converters
- DrMOS FET plus Driver Multi-Chip Modules
- Multi-Phase Controllers
- Step-Down Controllers (External Switch)
- Step-Down Regulators, Non-Synchronous (Integrated Switch)
- Step-Down Regulators, Synchronous (Integrated Switch)
- Step-Up Regulators (Integrated Switch)
- Synchronous Rectifier Controllers

MOSFET & IGBT Gate Drivers

- 3-Phase Drivers
- Half-Bridge Drivers
- High- & Low-Side Drivers
- High-Side Drivers
- Low-Side Drivers
- Synchronous Rectifier Drivers

Voltage Regulators

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- Positive Voltage Linear Regulators
- Negative Voltage Linear Regulators
- Shunt Regulators

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- Motion-SPM™ (Smart Power Modules)
- PFC SPM® (Smart Power Modules)

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- Bridge Rectifiers
- Circuit Protection & Transient Voltage Suppressors (TVS)
- Rectifiers
- Schottky Diodes & Rectifiers
- Small Signal Diodes
- Zener Diodes

IGBTs

- Discrete IGBTs
- Ignition IGBTs

MOSFETs

- Discrete MOSFETs
- Level-Shifted Load Switches
- MOSFET/Schottky Combos

Transistors

- BJTs
- Darlingtons
- Digital/Bias-Resistor Transistors
- JFETs
- RF Transistors
- Small Signal Transistors

Advanced Load Switches

- Advanced Current Limited Load Switches
- Slow Rate Controlled Load Switches

Battery Management

- Battery Charger ICs
- Current Sensing

Ground Fault Interrupt (GFI) Controllers**SIGNAL PATH ICs****Amplifiers & Comparators**

- Comparators
- Current Sensing
- Operational Amplifiers

Battery Protection ICs**Interface**

- LVDS
- Serializers/Deserializers
- USB Transceivers

Signal Conditioning

- Video Filter Drivers
- Video Switch Matrix/Multiplexers

Signaling, Sensing & Timing**Switches**

- Analog/Audio Switches
- Bus Switches
- Camera Switches
- Multimedia Switches
- USB Switches
- Video Switches

OPTOELECTRONICS**High Performance Optocouplers**

- Low Voltage, High Performance
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- High Performance Transistor
- IGBT/MOSFET Gate Drivers
- Specific Functions

Infrared

- Emitting Diodes
- Photo Sensors
- Reflective Sensors
- Optical Interrupt Switches

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- Isolated Error Amplifier
- Phototransistor Output - DC Sensing Input
- Phototransistor Output - AC Sensing Input
- Photo Darlington Output

Solid State Relay Optocouplers**TRIAC Driver Optocouplers**

- Random Phase TRIAC Driver
- Zero Crossing TRIAC Driver

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- IGBTs
- Ignition IGBTs
- N-Channel MOSFETs
- P-Channel MOSFETs
- Rectifiers

Automotive High Voltage Gate Drivers (HVICs)