



开关/IPD/多路转换器/逻辑

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标准逻辑IC

模拟开关/模拟开关(单路)

Type	Package/Part No.			Function	Supply Voltage (V)	H Input Voltage (Min.)(V)	L Input Voltage (Max.)(V)	ON Resistance (Max.)(Ω)	Control-output Propagation Delay Time (Typ.)(ns)	IN-Out Propagation Delay Time (Typ.)(ns)	Max. Propagation Frequency (Typ.)(MHz)
	SOP16(14)	SSOP-B16(14)	SSOP5								
BU4066BC	BU4066BCF	BU4066BCFV	-	Quad Analog Switch	3 to 18	3.5	1.5	950	60	20	-
BU4S66	-	-	BU4S66G2	Single Analog Switch	3 to 16	3.5	1.5	950	80	15	-

多路转换器

Type	Package/Part No.			Function	Supply Voltage (V)	H Input Voltage (Min.)(V)	L Input Voltage (Max.)(V)	ON Resistance (Max.)(Ω)	Control-output Propagation Delay Time (Typ.)(ns)	IN-Out Propagation Delay Time (Typ.)(ns)	Max. Propagation Frequency (Typ.)(MHz)
	SOP16(14)	SSOP-B16(14)	SSOP5								
BU4051BC	BU4051BCF	BU4051BCFV	-	Analog Multiplexer/Demultiplexer(8→1)	3 to 18	3.5	1.5	950	170	15	20
BU4052BC	BU4052BCF	BU4052BCFV	-	Dual Analog Multiplexer/Demultiplexer(4→1)	3 to 18	3.5	1.5	950	170	15	20
BU4551B	BU4551BF	BU4551BFV	-	Quad Analog Multiplexer/Demultiplexer(2→1)	3 to 16	3.5	1.5	1,100	360	35	15

逻辑门

Type	Package/Part No.		Function	Supply Voltage (V)	H Input Voltage (Min.)(V)	L Input Voltage (Max.)(V)	Hysteresis Voltage (V)	H Output Voltage I _{out} =0mA (Min.)(V)	L Output Voltage I _{out} =0mA (Max.)(V)	Propagation Delay Time (Typ.)(ns)
	SOP14	SSOP-B14								
BU4030B	BU4030BF	-	Quad Exclusive OR Gate	3 to 16	3.5	1.5	-	4.95	0.05	90
BU4069UB	BU4069UBF	BU4069UBFV	Hex Unbuffer Inverter	3 to 16	4.0	1.0	-	4.95	0.05	90

逻辑门(单路)

Type	Package/Part No.	Function	Supply Voltage (V)	H Input Voltage (Min.)(V)	L Input Voltage (Max.)(V)	Hysteresis Voltage (V)	H Output Voltage I _{out} <1μA (Min.)(V)	L Output Voltage I _{out} <1μA (Max.)(V)	Propagation Delay Time (Typ.)(ns)
	SSOP5								
BU4S01	BU4S01G2	Single NOR Gate	3 to 16	3.5	1.5	-	4.95	0.05	85
BU4S11	BU4S11G2	Single NAND Gate	3 to 16	3.5	1.5	-	4.95	0.05	85
BU4SU69	BU4SU69G2	Single Unbuffer Inverter	3 to 16	4.0	1.0	-	4.95	0.05	55
BU4S71	BU4S71G2	Single OR Gate	3 to 16	3.5	1.5	-	4.95	0.05	90
BU4S81	BU4S81G2	Single AND Gate	3 to 16	3.5	1.5	-	4.95	0.05	90
BU4S584	BU4S584G2	Single Schmitt Trigger	3 to 16	3.5	1.5	0.15 to 0.6	4.95	0.05	125

功能逻辑

Type	Package/Part No.		Function	Supply Voltage (V)	H Input Voltage (Min.)(V)	L Input Voltage (Max.)(V)	H Output Voltage I _{out} =0mA (Min.)(V)	L Output Voltage I _{out} =0mA (Max.)(V)	Propagation Delay Time (Typ.)(ns)	Max. Clock Frequency (Typ.)(MHz)	Set up Time (Typ.)(ns)	Hold Time (Typ.)(ns)
	SOP16	SSOP-B16										
BU4094BC	BU4094BCF	BU4094BCFV	8-Stage Shift/Store Register(3-State)	3 to 18	3.5	1.5	4.95	0.05	420	2.5	20	10

串行输入/并行输出驱动器

串并2输入驱动器

Part No.	Number of Input	Number of Output	Supply Voltage (V)	Max. Output Current (mA)	Max. Output Voltage (V)	Output Type	Package
BU2098F	2	8	2.7 to 5.5	25	15	Open drain	SOP16
BU2090F	2	12	2.7 to 5.5	25	25	Open drain	SOP16
BU2090FS	2	12	2.7 to 5.5	25	25	Open drain	SSOP-A16

串并4输入驱动器

Part No.	Number of Input	Number of Output	Supply Voltage (V)	Max. Output Current (mA)	Max. Output Voltage (V)	Output Type	Package
BU2050F	4	8	4.5 to 5.5	25	5.5	CMOS	SOP14
BU2092F	4	12	2.7 to 5.5	25	25	Open drain	SOP18
BU2092FV	4	12	2.7 to 5.5	25	25	Open drain	SSOP-B20
BU2099FV	4	12	2.7 to 5.5	25	25	Open drain	SSOP-B20
BU2152FS	4	24	2.7 to 5.5	25	5.5	CMOS	SSOP-A32

串并2输入驱动器：时钟、数据的2线接口
 串并4输入驱动器：时钟、数据、锁存器、芯片启动的4线接口

USB开关IC

SP型(Single Pole)													
Part No.	Supply Voltage(V)		USB Switch	UART Switch	Circuit Current (μA)	USB Switch ON Resistance(Ω)	USB Switch ON Capacitance(pF)	Package					
	USB	UART											
BH6260MWX	2.9 to 3.7	1.7 to 3.6	1ch	1ch	0	5	10	USON016X3315					
DP型(Double Pole)													
BD11600NUX	2.5 to 5.5	-	1ch	-	18	3	6	VSON010X3020					
BD11603MWX	2.5 to 5.5	-	2ch	-	18	3	7	USON016X3315					
BD11601NUX	2.5 to 5.5	-	1ch	-	18	2.5	6	VSON008X2020					
New BD11670GWL	3.8 to 28.0	-	1ch	-	26	5	6	UCSP50L1C					
内置OVP的微型USB开关 USB2.0/MHL/Audio													
Part No.	Supply Voltage(V)			USB/MHL Switch	MIC Switch	HP Switch	VBUS Signal Path	ID-CBUS Path	OTG-VBUS Voltage Path	Stand by Current (μA)	USB/MHL Switch ON Resistance(Ω)	USB/MHL Switch ON Capacitance(pF)	Package
	VBUS	VBAT	VDDIO										
BD91411GW	3.8 to 28	2.9 to 4.6	1.7 to 3.0	2ch	1ch(mono)	1ch	1ch	1ch	1ch	6	5	6	UCSP75M3

IPD(智能功率开关)

高边开关

智能高边开关								
Part No.	Power Supply (V)	VDS (Max.)(V)	Channel (ch)	I _{oCP} (Min.)(A)	ON Resistance (Typ.)(mΩ)	Thermal Shut Down	Package	Automotive Grade AEC-Q100
New BV1HD090FJ-C	4.5 to 36.0	45.0	1	2.7	90	Self-restart	SOP-J8	YES
BD1HC500EFJ-C	4.0 to 18.0	44.5	1	0.8	500	Off-latch	HTSOP-J8	YES
BD1HC500FVM-C	4.0 to 18.0	44.5	1	0.8	500	Off-latch	MSOP-8	YES
BD1HC500HFN-C	4.0 to 18.0	44.5	1	0.8	500	Off-latch	HSOP-8	YES
BD1HD500EFJ-C	4.0 to 18.0	44.5	1	0.8	500	Self-restart	HTSOP-J8	YES
BD1HD500FVM-C	4.0 to 18.0	44.5	1	0.8	500	Self-restart	MSOP-8	YES
BD1HD500HFN-C	4.0 to 18.0	44.5	1	0.8	500	Self-restart	HSOP-8	YES

低边开关

智能低边开关								
Part No.	Power Supply (V)	VDS (Max.)(V)	Channel (ch)	I _{oCP} (Min.)(A)	ON Resistance (Typ.)(mΩ)	Thermal Shut Down	Package	Automotive Grade AEC-Q100
New BV1LB028FPJ-C	3.0 to 5.5	42	1	30	28	Self-restart	TO252-J3	YES
New BV1LB045FPJ-C	3.0 to 5.5	42	1	18	45	Self-restart	TO252-J3	YES
BV1LB085FJ-C	3.0 to 5.5	42	1	13	85	Self-restart	SOP-J8	YES
New BV1LC105FJ-C	3.0 to 5.5	42	1	3	105	Self-restart	SOP-J8	YES
BV1LB150FJ-C	3.0 to 5.5	42	1	6.5	150	Self-restart	SOP-J8	YES
BV1LB300FJ-C	3.0 to 5.5	42	1	1.7	300	Self-restart	SOP-J8	YES
New BV1LB300HFS-C	3.0 to 5.5	42	1	1.7	300	Self-restart	HSOP-A8	YES
BD1LB500EFJ-C	3.5 to 5.5	42	1	0.8	350	Self-restart	HTSOP-J8	YES
BD1LB500FVM-C	3.5 to 5.5	42	1	0.8	350	Self-restart	MSOP8	YES
New BM2LC105FJ-C	3.0 to 5.5	42	2	3	105	Self-restart	SOP-J8	YES
BM2LB110FJ-C	3.0 to 5.5	42	2	2.5	120	Self-restart	SOP-J8	YES
BM2LB150FJ-C	3.0 to 5.5	42	2	6.5	150	Self-restart	SOP-J8	YES
BM2LB300FJ-C	3.0 to 5.5	42	2	1.7	300	Self-restart	SOP-J8	YES
BD8LB600FS-C	3.0 to 5.5(Digital)/ 4.0 to 5.5(Analog)	45	8	1	600	Self-restart	SSOP-A24	YES
BD8LA700EFV-C	3.0 to 5.5(Digital)/ 4.0 to 5.5(Analog)	45	8	0.5	700	Off-latch	HTSSOP-B24	YES

