



FSUSB63 - 3选1高速USB开关 / 多路复合器

特征

开关类型	3:1 (3选1) USB转换
USB	兼容高速与全速USB 2.0
先开后合时间	126μs
R _{ON}	典型值6Ω
C _{ON}	典型值6pF
带宽	830MHz
V _{CC}	2.7V-4.4V
V _{CNTRL}	0至V _{CC}
工作温度	-40°C 至85°C
I _{CCSLP}	<1μA
I _{CCACT}	典型值7.5μA
封装	12-管脚 UMLP 1.80 x 1.80 x 0.55mm, 0.40mm 节距
顶标, 正印	KG
采购信息	FSUSB63UMX

应用场合

- 手机, 数码相机, 笔记本电脑
- 液晶显示器、电视和机顶盒
- 上网本, 移动互联网设备(MID)

典型应用

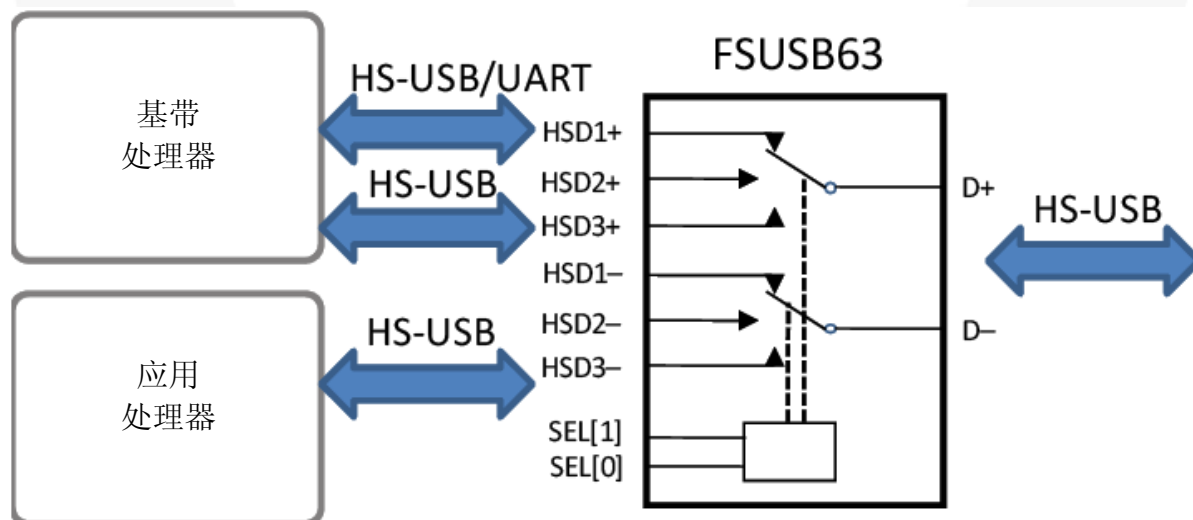


图 1 模拟符号

说明

FSUSB63是一种双向、低功耗、高速(HS)USB 2.0 3:1 (3选1)的多路复合器(MUX)。其专门针对3路高速(480Mbps)USB信号源到一个USB2.0连接器,或任何高速与全速(12Mbps)USB信号源的组合,例如包括应用处理器的USB各种信号源到一个USB2.0连接器。

FSUSB63存在一个“先开后合”时间,当在不同HS USB 2.0控制器之间切换时,可由主机强制发生一次再列举,这样需要软件变动最小。

FSUSB63满足USB 2.0的要求,具有极低的导通电容(C_{ON})特征。较宽的带宽超过了通过3次谐波的要求,这样可使信号边缘和相位最小。先进的通道间防串扰设计也可以大大削弱干扰。

参考资料

- 有关样品、疑问请联系: Analog.Switch@fairchildsemi.com.
- FSUSB63 演示板

物理尺寸

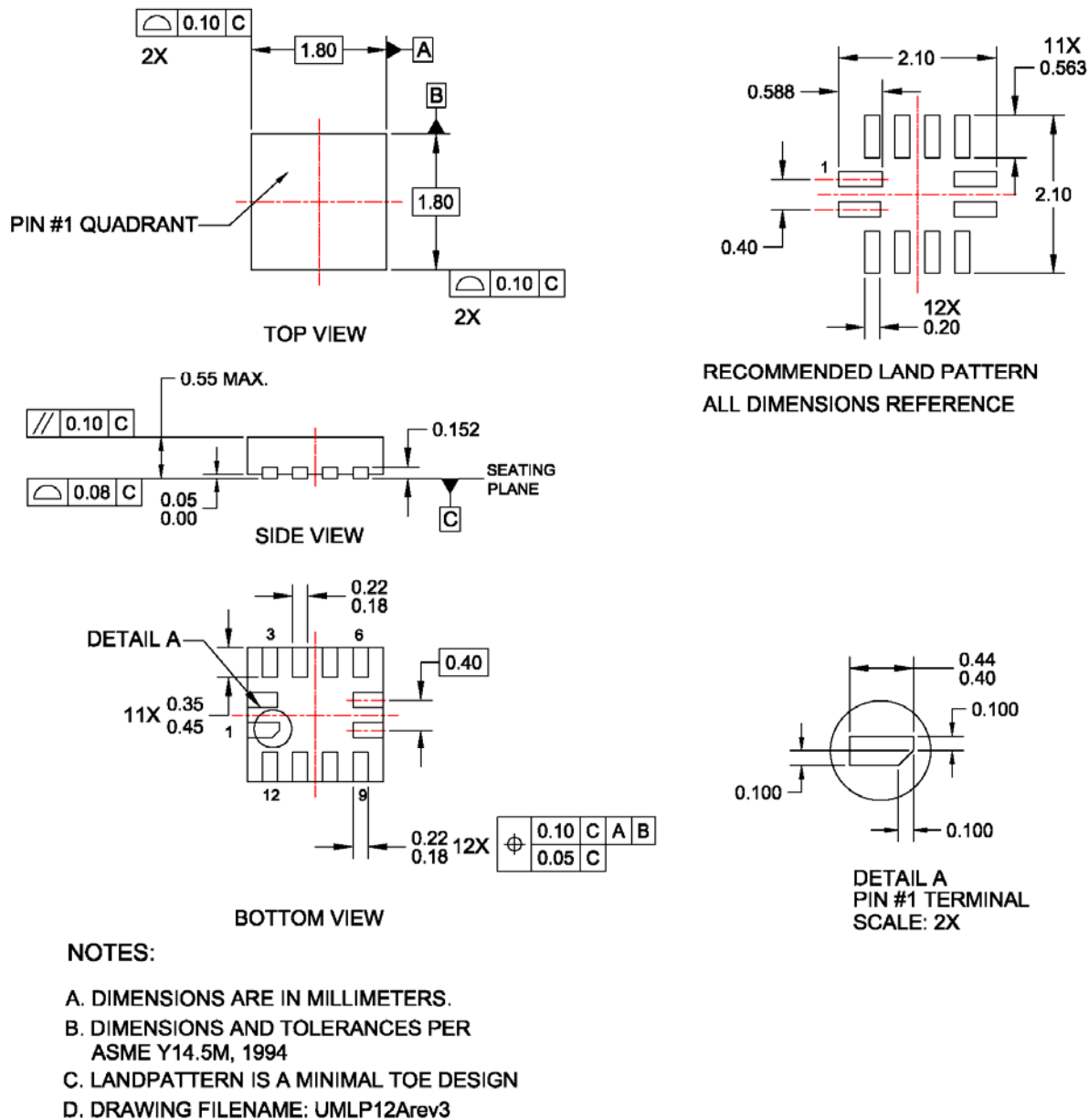


图17. 12-管脚超薄模塑无铅封装(UMLP)

采购信息

订货号	顶标, 正印	工作温度范围	封装
FSUSB63UMX	KG	-40至+85°C	12-管脚, 方形, 超薄模塑无铅封装(UMLP), 1.8mm x 1.8mm x 0.55mm, 0.4mm 节距

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