

LIMITED DATASHEET

Email <u>Analog.Switch@fairchildsemi.com</u> to request the full datasheet.

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FSA9485 — USB 端口多媒体开关具有自动开关切换和检测附件功能

特性

- 检测:
 - 带 MIC 和遥控的耳机
 - USB 数据电缆
 - UART 串行链路
 - USB 充电器 (汽车、CDP、DCP)
 - 出厂模式电缆
 - 电传打字机 (TTY) 转换器
 - USB OTG
 - CEA-936-A 车载套件
 - 视频
- 音频、USB、UART、视频、充电
- 兼容全速和高速 2.0 标准
- 可以提供中断的自动开关
- 集成 FET、充电器检测、OCP (1.5 A)、OVT (28 V)、7 V OVP
- 左、右、MIC(负向摆动)
- UART: RxD & TxD
- 视频:复合
- V_{BAT}: 3 至 4.4 V
- 可编程性: I²C
- 15 kV IEC 61000-4-2 气隙

说明

FSA9485 是一款高性能多媒体开关,对 USB 端口采用自动开关和配件检测。FSA9485 允许共享常用的 USB端口以传输音频、视频、USB 数据 / 充电 / On-The-Go (OTG),并提供工厂可编程性。

此外,FSA9485 还集成了配件检测,例如使用常用的 USB 连接器连接头戴耳机、耳机(MIC/按键)、CEA-936-A 车载 套件、USB 充电器 和 UART 数据线。FSA9485 可编程为基于检测到的配件实现数据路径的手动开关或自动开关。

通过集成的 28 V 过压保护和 1.5 A 过流保护 FET, FSA9485 集成常用的 USB 保护器件用于 V_{BUS}。

应用

■ 移动电话和便携式媒体播放器

更多信息

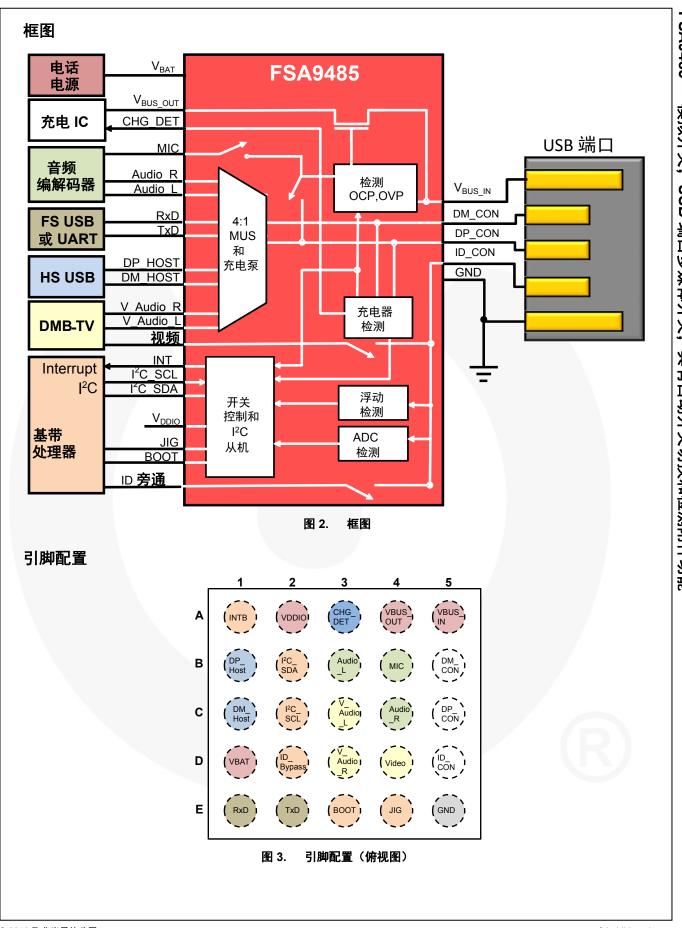
■ 如需了解更多性能信息,请联系 analogswitch@fairchildsemi.com。

订购信息

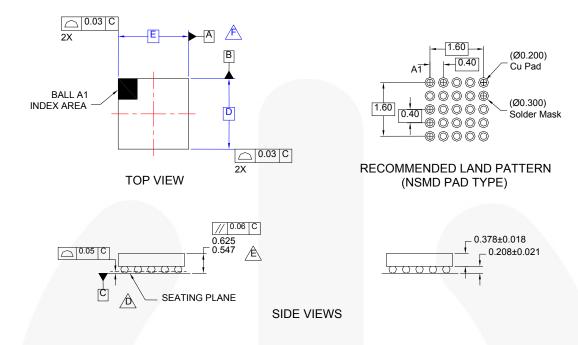
器件编号	工作温度范围	顶标	封装
FSA9485UCX ⁽¹⁾	-40 至 + 85°C	N6	25-引脚,2.1 x 2.1 x 0.625 mm WLCSP 封装

注意:

1. 含背面的保护迭片。



物理尺寸



NOTES: A. NO JEDEC REGISTRATION APPLIES. ⊕ 0.005_∭ C A B Ø0.260±0.02

- B. DIMENSIONS ARE IN MILLIMETERS.
- C. DIMENSIONS AND TOLERANCE

CROWNS OF THE BALLS.

- PER ASMEY14.5M, 1994. D. DATUM C IS DEFINED BY THE SPHERICAL
- É PACKAGE NOMINAL HEIGHT IS 586 MICRONS ±39 MICRONS (547-625 MICRONS).
- F. FOR DIMENSIONS D, E, X, AND Y SEE PRODUCT DATASHEET.
- G. DRAWING FILNAME: MKT-UC025AArev2.

图 25. 25-引脚晶圆级芯片尺寸封装 (WLCSP)

产品规格尺寸

1.60

0.40

产品	D	EXY		(R)
FSA9485UCX	2.10	2.10	0.25	0.25

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随时访问飞兆半导体在线封装网页,可以获取最新的封装图纸: http://www.fairchildsemi.com/packaging/.

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BOTTOM VIEW

1 2 3 4

25X

(X) ±0.018

(Y) ±0.018

F

Ε

D

В

如需了解现行封装容器规格,请访问 Fairchild 的在线封装网页: http://fsce132/packing_dwg/PKG-UC025AA.pdf。





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SuperSOT™.8
SuperSOT™.8
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Definition of Terms

Datasheet Identification Product Status		Definition	
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Preliminary	First Production	Datasheet contains preliminary data; supplementary data will be published at a later date. Fairchild Semiconductor reserves the right to make changes at any time without notice to improve design.	
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