



FSUSB73

3:1 High-Speed USB Multiplexer and Hub Routing Switch

Features

Switch Type	3:1 MUX + Isolation Switch
USB	USB 2.0 High-Speed & Full-Speed Compliant
R _{ON}	6.5Ω
C _{ON}	6pF
ESD (IEC61000-4-2)	15kV (Air), 8kV (Contact)
V _{CC}	2.5 to 4.4V
I _{CCSLP}	<1μA
I _{CCACT}	9μA
Package	16-Lead UMLP 1.8 x 2.6 x 0.55mm, 0.40mm Pitch
Ordering Information	FSUSB73UMX (UMLP)

Description

The FSUSB73 is a bi-directional, low-power, high-speed USB 2.0 3:1 MUX plus one isolation switch. It is optimized for switching three high-speed (480Mbps) or full / low-speed USB / UART sources to one USB 2.0 connector. In addition, the FSUSB73 has an integrated routing USB switch to allow communication between a USB hub and another processor without re-enumeration.

Related Resources

- For samples and questions, please contact: Analog.Switch@fairchildsemi.com.
- FSUSB73 Demonstration Board
- FSUSB73 Evaluation Board

Applications

- MP3 Portable Media Players
- Cellular Phones, Smartphones
- Netbook, Mobile Internet Device (MID)
- Enables USB Hub Switching

Typical Application

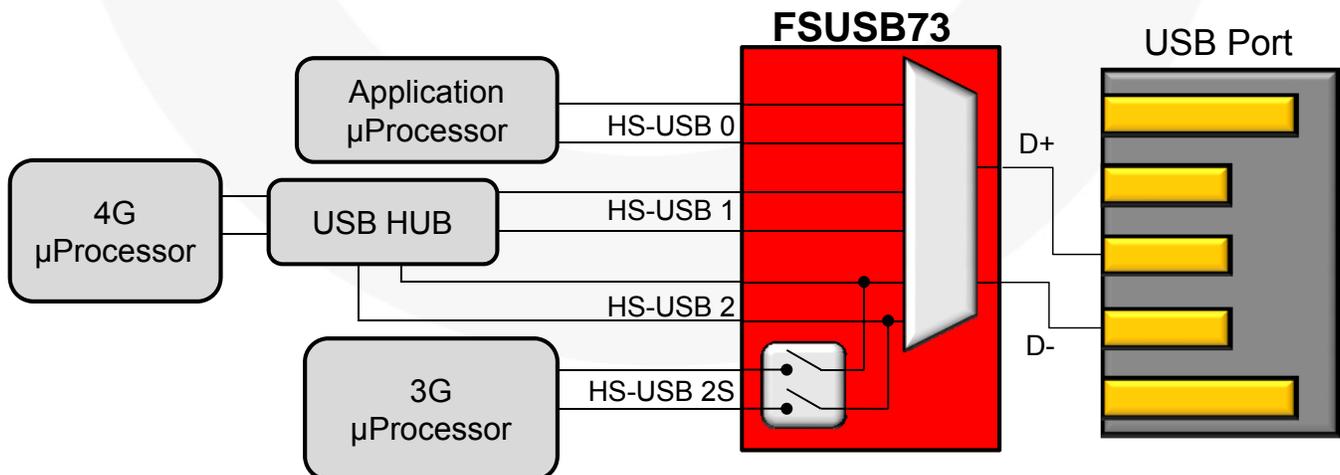


Figure 1. Mobile Phone Example

Physical Dimensions

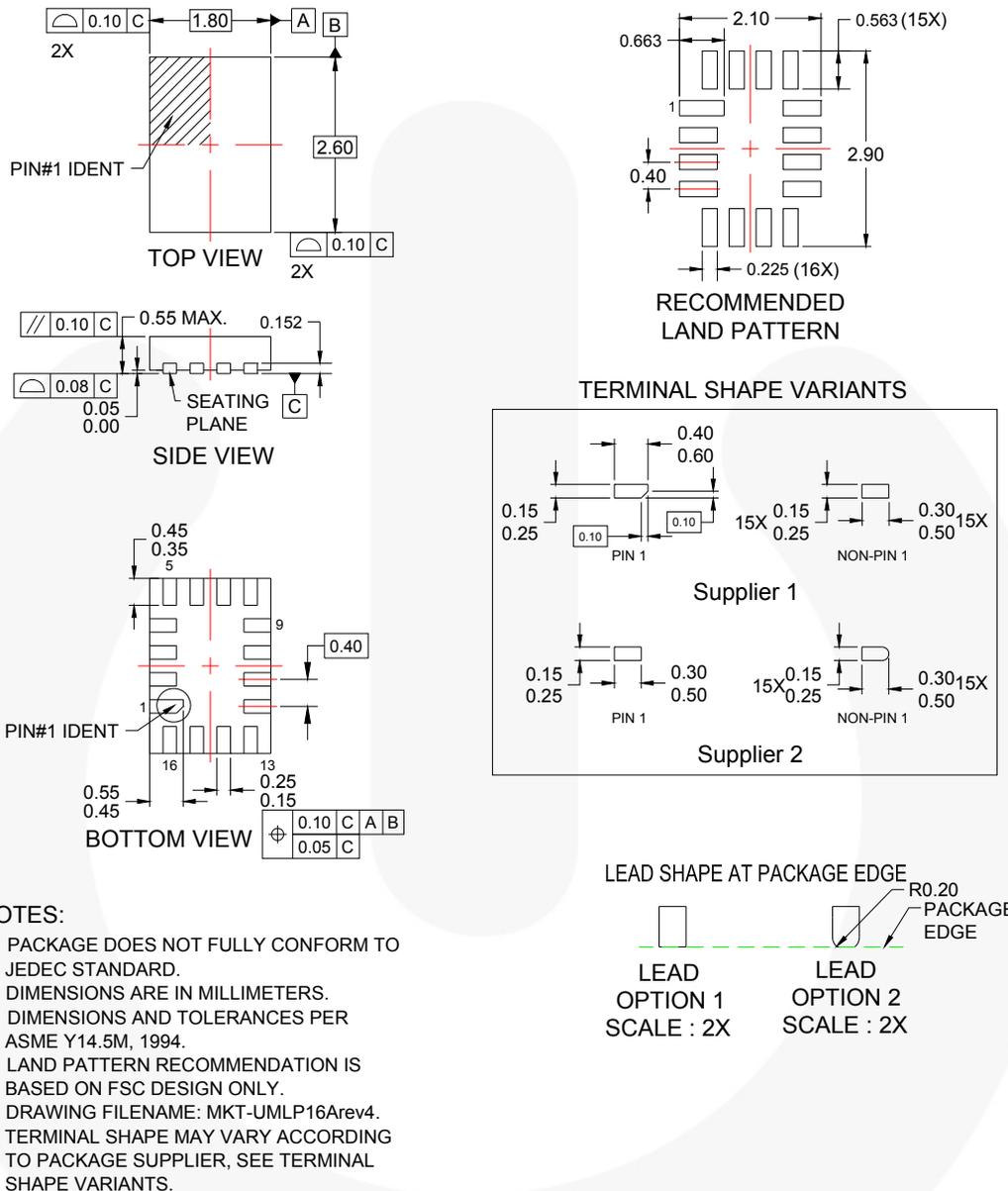


Figure 20. 16-Pin Ultrathin Molded Leadless Package (UMLP)

Order Number	Operating Temperature Range	Package Description	Packing Method
FSUSB73UMX	-40 to 85°C	16-Terminal Ultrathin Molded Leadless Package (UMLP)	Tape & Reel

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