

FSA880 / FSA881 – USB Port 2:1 Switch with Accessory and Charger Detection

Features

Switch Type	2:1 USB
Switch Mechanism	Automatic switching with Available Interrupt
Accessory Detection	USB Data Cable Chargers (CDP, DCP, Travel Adapter, Car Kit-CEA-936-A) Factory-Mode Cables
USB	FS and HS 2.0 Compliant
USB Charging	Battery Charging 1.1 Compliant Charger Detect, DCD, OVT (28 V)
UART	RxD and TxD
VBAT	3.0 to 4.4 V
Programmability	I ² C
ESD	15kV IEC 61000-4-2 Air Gap
Operating Temperature	-40°C to 85°C
Package	16-Lead UMLP 1.8x2.6x0.55 mm, 0.4 mm Pitch
JIG Option	FSA880 – Active LOW FSA881 – Active HIGH
Ordering Information	FSA880UMX FSA881UMX

Typical Application

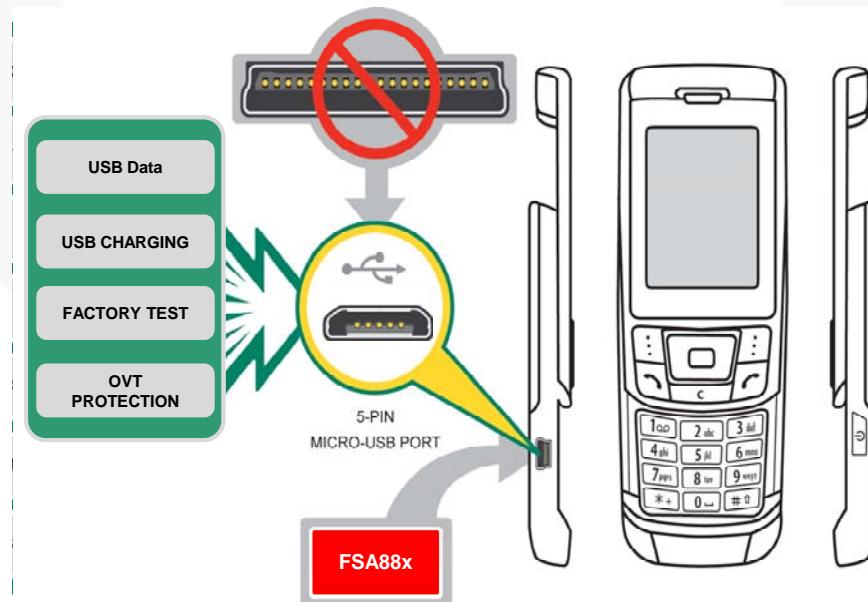


Figure 1. Mobile Phone Example

Block Diagram

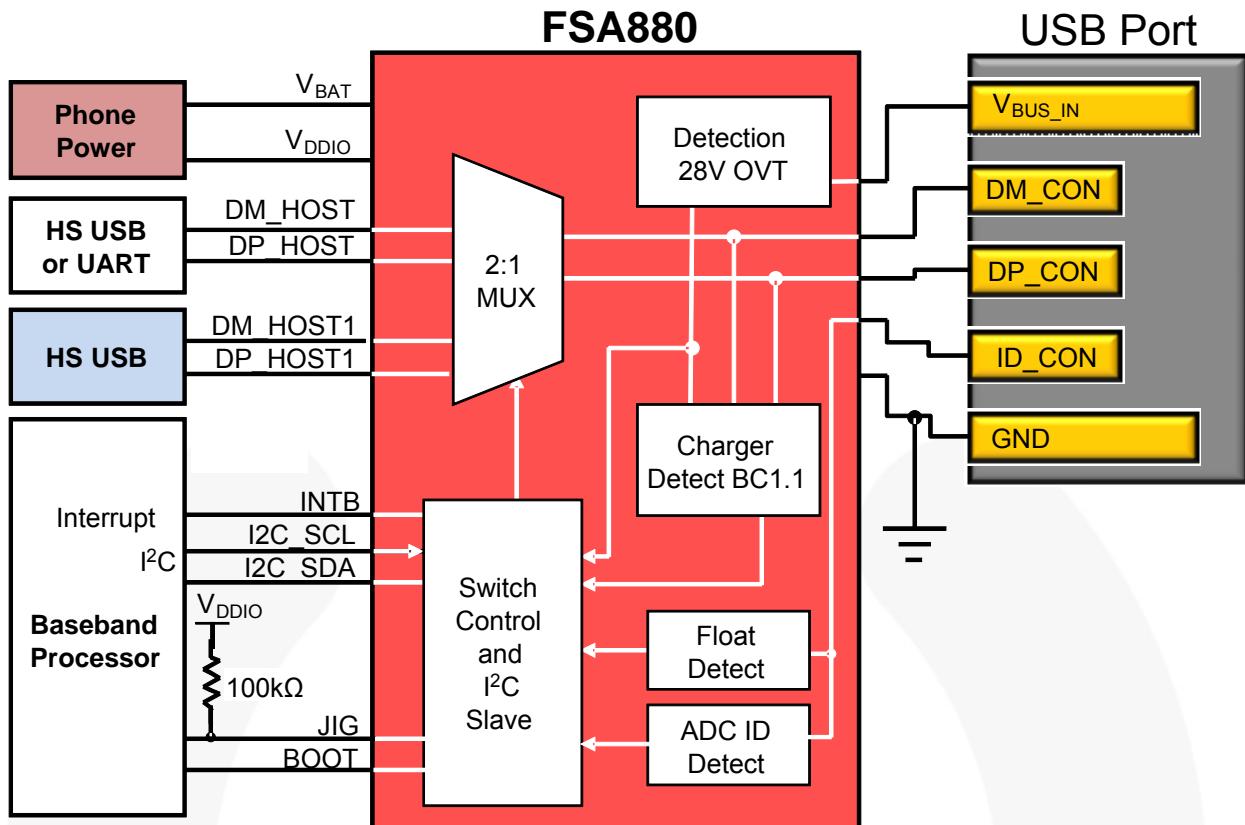


Figure 2. Block Diagram

Pin Configuration

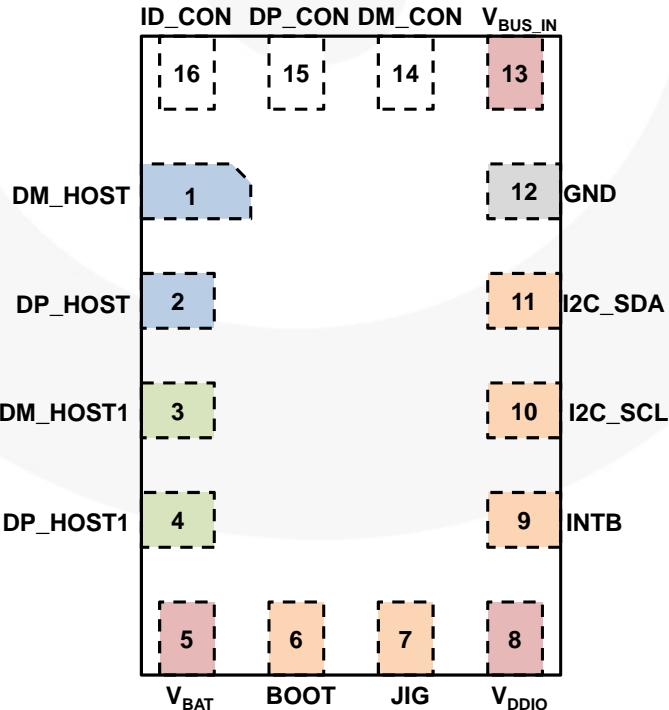
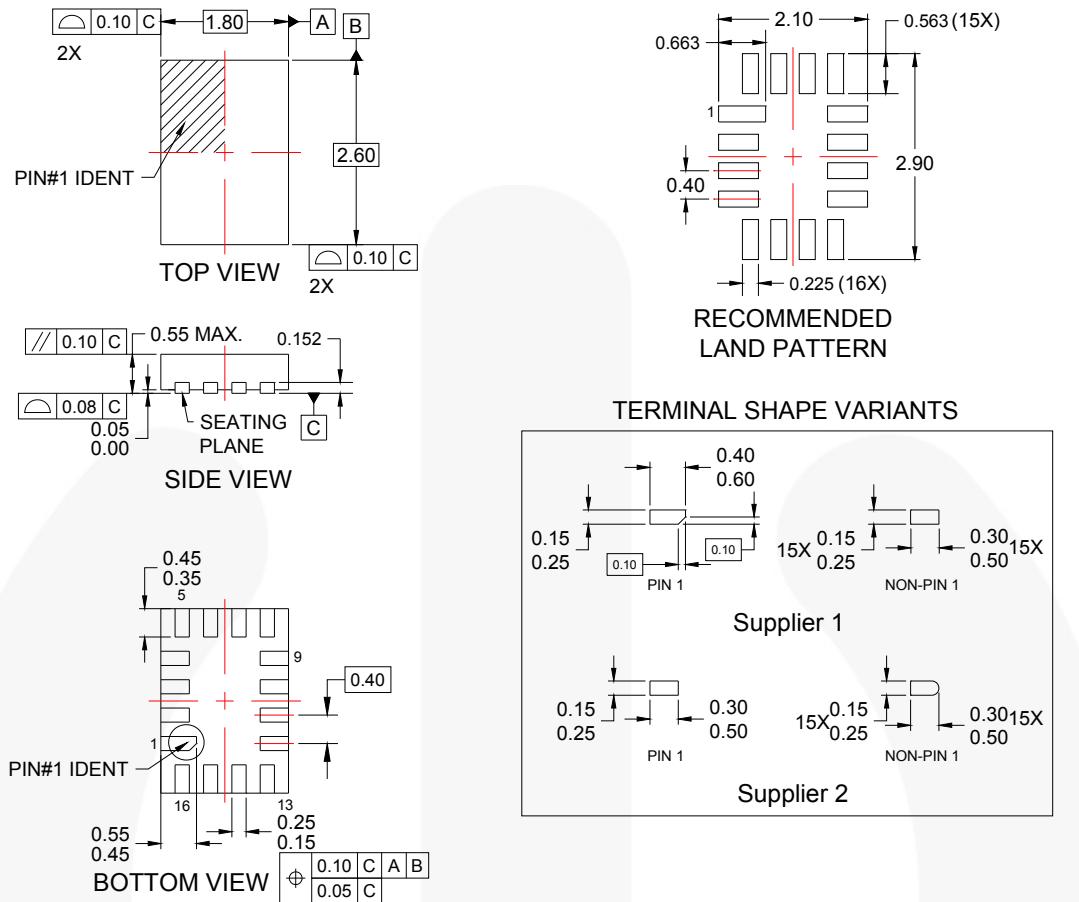


Figure 3. Pin Assignment (Through View)

Physical Dimensions



NOTES:

- A. PACKAGE DOES NOT FULLY CONFORM TO JEDEC STANDARD.
- B. DIMENSIONS ARE IN MILLIMETERS.
- C. DIMENSIONS AND TOLERANCES PER ASME Y14.5M, 1994.
- D. LAND PATTERN RECOMMENDATION IS BASED ON FSC DESIGN ONLY.
- E. DRAWING FILENAME: MKT-UMLP16Arev4.
- F. TERMINAL SHAPE MAY VARY ACCORDING TO PACKAGE SUPPLIER, SEE TERMINAL SHAPE VARIANTS.

Figure 23. 16-Lead Ultrathin Molded Leadless Package (UMLP), 1.8 mm x 2.6 mm x 0.55 mm, 0.4 mm Pitch

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Part Number	Operating Temperature Range	Top Mark	Package
FSA880UMX	-40 to +85°C	KU	16-Lead, Ultrathin Molded Leadless Package (UMLP), 1.8 mm x 2.6 mm x 0.55 mm, 0.4 mm Pitch
FSA881UMX	-40 to +85°C	KX	16-Lead, Ultrathin Molded Leadless Package (UMLP), 1.8 mm x 2.6 mm x 0.55 mm, 0.4 mm Pitch



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