Embedded Protocol MUIC for Accessory Detection

The SM5508A is a cost-effective IC for multi-roles as host and device, protocol detectable and managing all kinds of alert signals between applications and its accessory through a 5-pin Mini or Micro-USB connector. The SM5508A is capable of identifying the type of the external power sources (SDP, DCP, HVDCP and CDP).
The SM5508A is available in a 16-bump, 1.7mmx1.7mm WLCSP package.

Applications

- PowerBank
- Docking system
- Portable Devices

Ordering Information

Part	Temp. Range	Pb-Free	Package
SM5508A	-40°C to +85°C	Yes	16-Bump WLCSP 0.4mm pitch

Features

- The embedded protocol Detection algorism for both Host and Device side
- Automatically identify the power source and type of accessory
- Smart Charger Detection based on BC1.2
- I^2C Interface with independent Interrupts to MCU
- 400kHz Full-Speed I^2C Interface
- 16-Bump, 1.7mm x 1.7mm WLCSP Package

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