CEA Standard

OTG Transceiver Specification

CEA-2011

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(Formulated under the cognizance of the CEA's **R6 Mobile Electronics Committee**.)

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FOREWORD

This standard was developed under the auspices of the Consumer Electronics Association (CEA) R6 Mobile Electronics Committee.

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1 Scope

CEA-2011 specifies the requirements for an OTG transceiver.

2 References

2.1 Informative References

- On-The-Go Supplement to the USB 2.0 Specification (www.usb.org/developers/onthego)
- USB 2.0 Specification (http://www.usb.org/developers/docs/)
- Pull-up/pull-down Resistors Engineering Change Notice (http://www.usb.org/developers/docs/)

3 Acronyms

HNP	Host Negotiation Protocol
I2C	Inter IC Bus
IC	Integrated Circuit
OTG	On-The-Go
SE0	Single Ended Zero
SOF	Start of Frame
SRP	Session Request Protocol
TBC	To Be Confirmed
TTL	Transistor-Transistor Logic
USB	Universal Serial Bus
USB-IF	USB Implementers Forum

4 Block Diagram

A block diagram of the OTG transceiver is shown in Figure 1 . The subsections that follow describe each block.