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This standard includes the English version of the European Standard.

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**Universal serial bus interfaces for data and power -
Part 2: Universal serial bus -
Micro-USB cables and connectors specification, revision 1.01
(IEC 62680-2:2013)**

Interfaces de bus universel en série pour
les données et l'alimentation électrique -
Partie 2: Bus universel en série -
Spécification des câbles et connecteurs
micro-USB, révision 1.01
(CEI 62680-2:2013)

Schnittstellen des Universellen Seriellen
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The text of document 100/2153/FDIS, future edition 1 of IEC 62680-2, prepared by IEC/TC 100, "Audio, video and multimedia systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62680-2:2013.

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**Universal serial bus interfaces for data and power –
Part 2: Universal serial bus – Micro-USB cables and connectors specification,
revision 1.01**

**Interfaces de bus universel en série pour les données et l'alimentation électrique –
Partie 2: Bus universel en série – Spécification des câbles et connecteurs micro-
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IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
Fax: +41 22 919 03 00
info@iec.ch
www.iec.ch

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INTERNATIONAL STANDARD

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Micro-USB cables and connectors specification, revision 1.01**

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FDIS	Report on voting
100/2153/FDIS	100/2184/RVD

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– 3 –

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IEC 62680-1, *Universal Serial Bus interfaces for data and power – Part 1: Universal Serial Bus Specification, Revision 2.0*

IEC 62680-2, *Universal Serial Bus interfaces for data and power – Part 2: USB Micro-USB Cables and Connectors Specification, Revision 1.01*

IEC 62680-3, *Universal Serial Bus interfaces for data and power – Part 3: USB Battery Charging Specification, Revision 1.2*

IEC 62680-4, *Universal Serial Bus interfaces for data and power – Part 4: Universal Serial Bus Cables and Connectors Class Document Revision. 2.0*

This part of the IEC 62680 series consists of several distinct parts:

- the main body of the text, which consists of the original specification and all ECN and Errata developed by the USB-IF.

CONTENTS

1	Introduction	10
1.1	General	10
1.2	Objective of the Specification	10
1.3	Intended Audience/Scope	10
1.4	Related Documents	10
2	Acronyms and Terms	10
3	Significant Features	11
3.1	USB 2.0 Specification Compliance	11
3.2	On-The-Go Device	11
3.3	Connectors	11
3.4	Compliant Cable Assemblies	12
3.5	Plug Overmolds	12
4	Cables and Connectors	12
4.1	Introduction	12
4.2	Micro-Connector Mating	12
4.3	Color Coding	13
4.4	Device, Cable and Adapter Delays	13
4.5	Compliant Usage of Connectors and Cables	14
4.5.1	Cables	14
4.5.2	Overmolds	14
4.5.3	Mechanical Interfaces	14
4.5.4	Surface mount standard version drawings	14
4.5.5	DIP-type and Midmount-type receptacles	14
4.5.6	Connector Keying	15
4.5.7	Right Angle Plugs	15
4.5.8	Adapters	15
4.6	Drawings	15
5	Electrical Compliance Requirements	34
5.1	Data Rates Beyond USB 2.0 (480Mb/s -->)	35
5.2	Low Level Contact Resistance	35
5.3	Contact Current Rating	35
5.3.1	Signal Contacts Only (2, 3, and 4)	35
5.3.2	With Power Applied Contacts (1 and 5)	35
6	Mechanical Compliance Requirements	35
6.1	Operating Temperature Range	35
6.1.1	Option I	35
	Option II	35
6.2	Insertion Force	35
6.3	Extraction Force	35
6.4	Plating	35
6.4.1	Option I	36
6.4.2	Option II	36
6.5	Solderability	36
6.6	Peel Strength (Reference Only)	36
6.7	Wrenching Strength (Reference Only)	36
6.8	Lead Co-Planarity	36
6.9	RoHS Compliance	36

6.10 Shell & Latch Materials..... 36

Note: All Engineering Change Notice's (ECN) and Errata documents as of September 01, 2012 that pertain to this core specification follow the last page of the specification starting on page 37.

Universal Serial Bus Micro-USB Cables and Connectors Specification

Revision 1.01
April 4, 2007

Revision History

Revision	Issue Date	Comment
0.6	1/30/2006	Revisions to all sections
0.7	3/24/2006	Added revised Micro-USB drawings to Rev.0.8
0.8	4/19/2006	Editorial changes and additions by Jan Fahlund (Nokia)
0.8b	4/26/2006	Corrections to the 0.8 version (based by comments from contributors)
0.9	6/7/2006	Corrections based on comments from the 0.8b version
1.0RC	8/2/2006	Added lubricant recommendation, LLRC delta change specified
1.01RC	11/10/2006	Editorial changes and addition based on Oct-06 USB-IF CCWG meeting.
1.02RC	12/10/2006	Shell material thickness tolerances changed so that material can be 0.25 mm or 0.3 mm; edited three pictures (Figure 4-10, 4-11 and 4-12).
1.03RC	12/11/2006	Two pictures edited (Figure 4-8 and 4-9). In fig 4-8 max height to be 2.8mm MAX. In fig 4-9 R0.25mm MAX to be R0.30mm MAX.
1.0RC3	12/19/2006	For BoD approval
1.0	1/12/2007	Approved
1.0	1/22/2007	Cosmetic edits for publication
1.01	4/4/2007	Editorial corrections and additions to contributor list. Reinserted shell and plug material requirements as section 6.10. Clarified wording on Plating Recommendations.

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– 9 –

Contributors

Mark Rodda, (editor) Motorola	Yoichi Nakazawa, JST
Jan Fahllund, (editor) Nokia	Kevin Fang, Longwell Electronics
Jim Koser, (CCWG Chairman), Foxconn	Morgan Jair, Main Super Co.
Ed Beeman, 2010 Tech	Tom Kawaguchi, Matsushita Electric Works
Glen Chandler, Advanced-Connectek (Acon)	Ron Ward, Matsushita Electric Works
Charles Wang, Advanced-Connectek (Acon)	Satoshi Yamamoto, Matsushita Electric Works
Toshinori Sasaki, Across Techno	Yasuhiko Shinohara, Mitsumi
Minoru Ohara, Allion	Atsushi Nishio, Mitsumi
Brad Brown, ATL	Hitoshi Kawamura, Mitsumi
Christopher Mattson, ATL	Scott Sommers, Molex
Marcus Darrington, ATL	Kevin Delaney, Molex
Jaremy Flake, ATL Technology	Kieran Wright, Molex
George Olear, Contech Research	Padraig McDaid, Molex
Roy Ting, Elka	Mikko Poikselka, Molex
Sophia Liu, ETC	Sam Liu, Newnex Technology Corp.
Bill Northey, FCI	Richard Petrie, Nokia
Tsuneki Watanabe, Foxconn	Kai Silvennoinen, Nokia
Jim Zhao, Foxconn	Panu Ylihaavisto, Nokia
David Ko, Foxconn	Arthur Zarnowitz, Palm
Jong Tseng, Foxconn	Douglas Riemer, SMK
Jack Lu, Foxlink	Eric Yagi, SMK
Tim Chang, Foxlink	Abid Hussain, Summit Microelectronics
Sathid Inthon, Fujikura	Kaz Osada, Tyco
Toshi Mimura, Fujijura	Masaru Ueno, Tyco
Alan Berkema, Hewlett-Packard	Yoshikazu Hirata, Tyco
Karl Kwiat, Hirose	Mark Paxson, VTM Inc.
Shinya Tono, Hirose	
Kazu Ichikawa, Hirose	
Ryozo Koyama, Hirose	
Yousuke Takeuchi, Hirose	
Tsuyoshi Kitagawa, Hosiden	
Jim Eilers, Hosiden	
Kazuhiro Saito, JAE	
Ron Muir, JAE	
Mark Saubert, JAE	
Yasuhira Miya, JST	
Takahiro Diguchi, JST	

1 Introduction

1.1 General

USB has become a popular interface for exchanging data between cell phone and portable devices. Many of these devices have become so small it is impossible to use standard USB components as defined in the USB 2.0 specification. In addition the durability requirements of the Cell Phone and Portable Devices market exceed the specifications of the current interconnects. Since Cell Phones and other small Portable Devices are the largest market potential for USB, this specification is addressing this very large market while meeting all the requirements for electrical performance within the USB 2.0 specification.

1.2 Objective of the Specification

The purpose of this document is to define the requirements and features of a Micro-USB connector that will meet the current and future needs of the Cell Phone and Portable Devices markets, while conforming to the USB 2.0 specification for performance, physical size and shape of the Micro-USB interconnect.

This is not a stand-alone document. Any aspects of USB that are not specifically changed by this specification are governed by the USB 2.0 Specification and USB On-The-Go Supplement.

1.3 Intended Audience/Scope

Cell phone and Portable Devices have become so thin that the current Mini-USB does not fit well within the constraints of future designs. Additional requirements for a more rugged connector that will have durability past 10,000 cycles and still meet the USB 2.0 specification for mechanical and electrical performance was also a consideration. The Mini-USB could not be modified and remain backward compatible to the existing connector as defined in the USB OTG specification.

1.4 Related Documents

USB 2.0

USB OTG Supplement

koniec náhľadu – text ďalej pokračuje v platenej verzii STN