

USB 3.0 ENGINEERING CHANGE NOTICE

ECR# 004

Name: Yoshiyuki Takechi Email: Yoshiyuki_takechi@hirose.co.jp
Company: Hirose Electric Co., Ltd. Mailstop: _____
Address: 3-13, Kikuna, 7 Chome, Kohoku-ku, Yokohama-shi
City: Kanagawa State/Province: _____
Country: Japan Zip/Postal Code: 222-8566
Phone: +81-45-402-7739 FAX: +81-45-402-3377

Name: _____ Email: _____
Company: _____ Mailstop: _____
Address: _____
City: _____ State/Province: _____
Country: _____ Zip/Postal Code: _____
Phone: _____

Name: _____ Email: _____
Company: _____ Mailstop: _____
Address: _____
City: _____ State/Province: _____
Country: _____ Zip/Postal Code: _____
Phone: _____

USB 3.0 ENGINEERING CHANGE NOTICE

Title: Clarification on the Chamfer on USB 3.0 Micro Connectors Applied to: USB3.0 Specification Revision 1.0 (November 12, 2008)

Brief description of the functional changes proposed:

A note "with no sharp edges" is added to the current note "Chamfer metals are optional".

Benefits as a result of the proposed changes:

USB 3.0 receptacles without chamfer will not have a sharp or blunt edge. It keeps guiding function and avoids wear out of plug shell and latches.

An assessment of the impact to the existing revision and systems that currently conform to the USB specification:

There are no USB3.0 micro connectors released in the market yet.

An analysis of the hardware implications:

None.

An analysis of the software implications:

None.

An analysis of the compliance testing implications:

Prohibiting sharp edges improves the mechanical performance such as insertion force, so it is not necessary to change the compliance testing document.

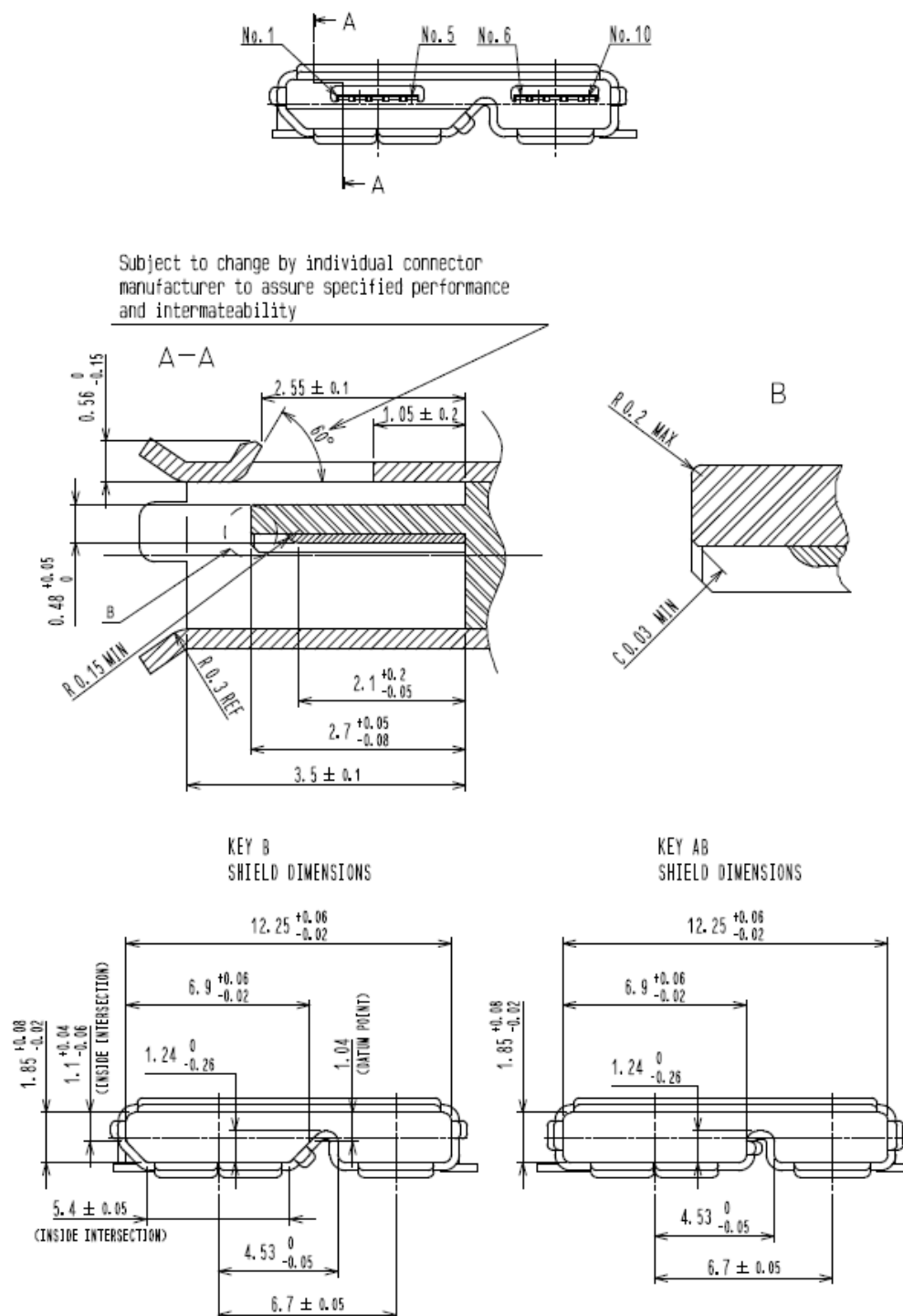
USB 3.0 ENGINEERING CHANGE NOTICE

Actual Change Requested

Universal Serial Bus 3.0 Specification Revision 1.0

The ECR proposes to add a note “with no sharp edges” to the current note “Chamfer metals are optional” to **Figure5-12. USB 3.0 Micro-B and-AB Receptacles Interface Dimensions** on the page 5-27, and **Figure 5-14. Reference Footprint for the USB 3.0 Mirco-B or -AB Receptacle** on the page 5-31 and 5-32.

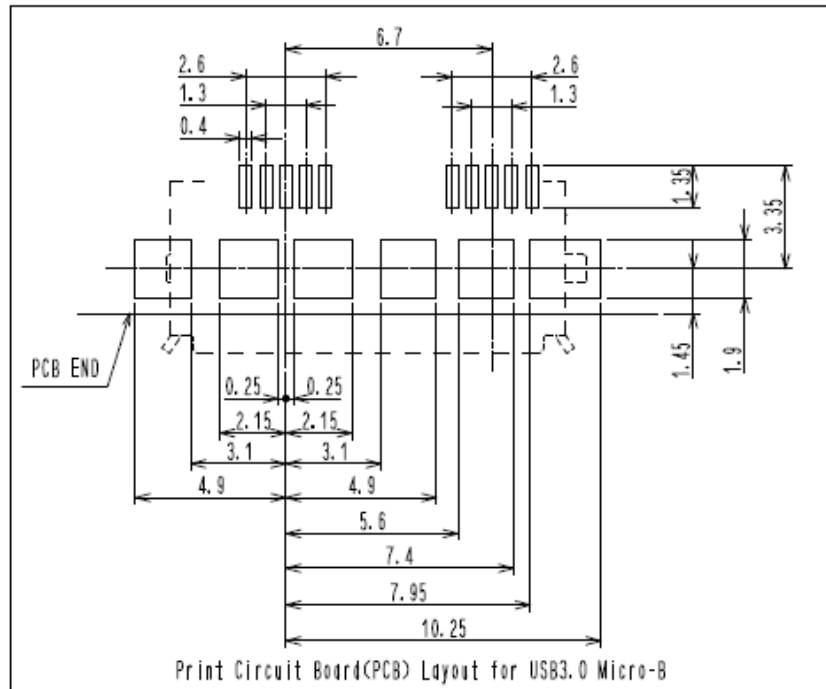
USB 3.0 ENGINEERING CHANGE NOTICE



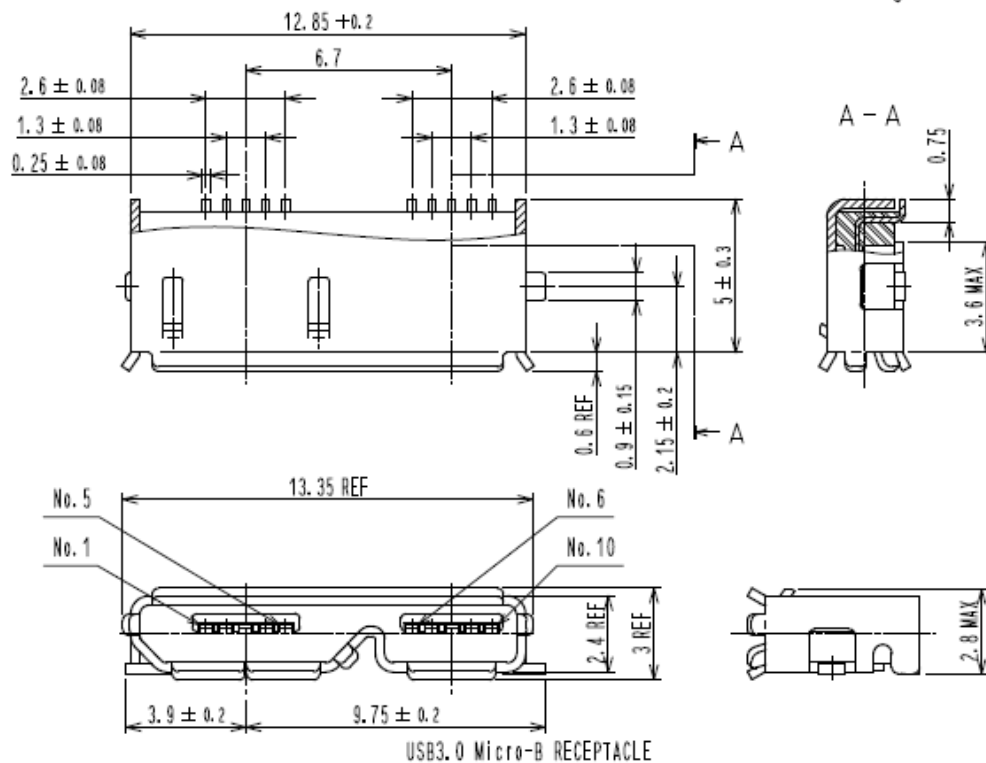
NOTES : Chamfer metals are optional. with no sharp edges.

Figure 5-12. USB 3.0 Micro-B and-AB Receptacles Interface Dimensions

USB 3.0 ENGINEERING CHANGE NOTICE



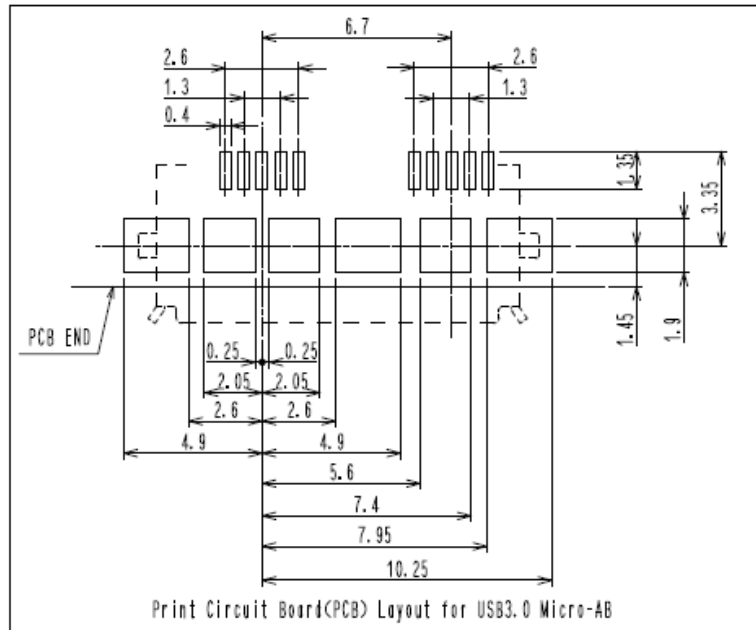
Standard-Surface Mount-Version Drawing



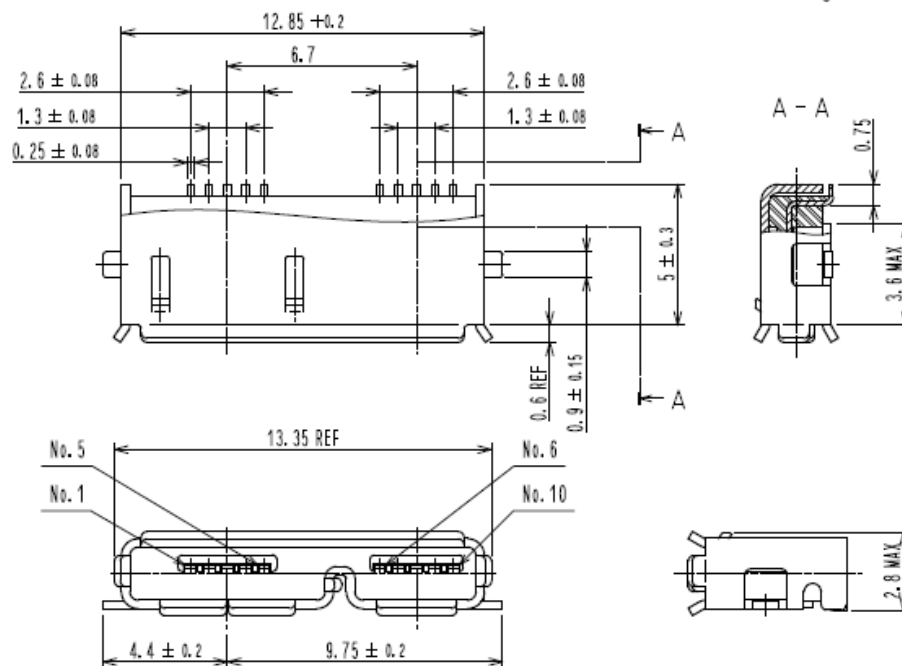
NOTES :

1. Critical Dimensions are TOLERANCED and should not be deviated.
2. Dimensions that labeled REF are typical dimensions and may vary from manufacturer to manufacturer.
3. General tolerance is ± 0.05 mm, otherwise the specified tolerances apply.
4. Chamfer metals are optional, **with no sharp edges.**

USB 3.0 ENGINEERING CHANGE NOTICE



Standard-Surface Mount-Version Drawing



USB3.0 Micro-AB RECEPTACLE

NOTES :

1. Critical Dimensions are TOLERANCED and should not be deviated.
2. Dimensions that labeled REF are typical dimensions and may vary from manufacturer to manufacturer.
3. General tolerance is +/- 0.05 mm, otherwise the specified tolerances apply.
4. Chamfer metals are optional, **with no sharp edges.**

Figure 5-14. Reference Footprint for the USB 3.0 Micro-B or -AB Receptacle