



# TR1: TRANSITION REPORT

This document is provided as useful and general guidance in the assistance of engineers who wish to transition from a GCT product that is undergoing obsolescence to a current GCT product.

Date of Report: (DD/MM/YYYY)	20/09/2024	Report Version:	1.01
Product Identifiers: FROM	USB4055 rev B	TO:	USB4230 rev A

## SUMMARY

USB4230 is footprint compatible with USB4055 having a longer body length, durability performance is improved from 10,000 cycles to 20,000 cycles. Voltage rating is also improved from 20Vdc to 48Vdc.

## TRANSITION DETAILS

### Description of Transitional Issues by Category:

**FORM & DIMENSIONS:** Some differences on dimensions and appearance, please see below drawings for comparison

**FOOTPRINT/LAYOUT:** Please see below comparisons of footprints. Footprint of USB4055 is applicable for USB4230.

**FIT/MATING ISSUES:** NO CHANGE

**FUNCTION:** NO CHANGE

**ELECTRICAL ISSUES:** Voltage rating is improved from 20Vdc to 48Vdc

**PLATING ISSUES:** The standard contact gold plating thickness for USB4065 is 30u", whereas it is 3u" for USB4230. For most applications, 3u" will suffice. However, if 30u" is required, it is possible to offer this plating thickness, please contact GCT.

**MATERIALS:** NO CHANGE

**DURABILITY & FORCES:** Durability is improved from 10,000 cycles to 20,000 cycles.

**PACKAGING:** NO CHANGE

**PICK & PLACE ISSUES:** NO CHANGE

**AVAILABILITY/OPTIONS/VARIANTS:** NO CHANGE

**ENVIRONMENTAL/TEMPERATURE ISSUES:** The minimum operating temp of USB4065 is -40°C, whereas it is -25°C for USB4230. For most applications, -25°C will suffice. However, if -40°C is required, please contact GCT

**CERTIFICATIONS:** NO CHANGE

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TR1	Version 1.01	Prepared by: MJC	Prepared: 10/05/2017
		Reviewed by: ST	Reviewed: 10/05/2017
		Approved by: LH	Approved: 10/05/2017

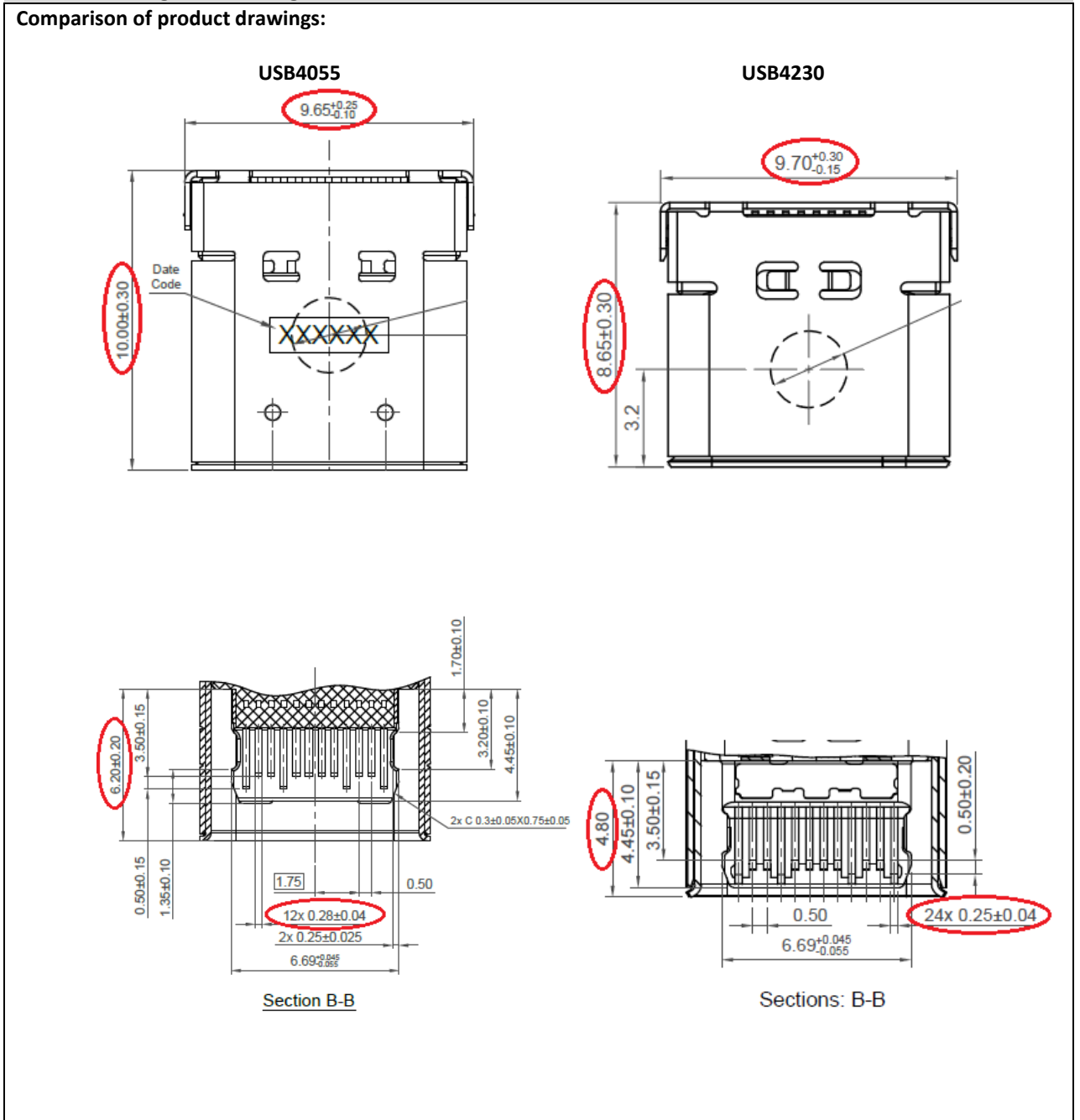
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OTHER ISSUES: None

### Transition Diagrams & Images:

#### Comparison of product drawings:

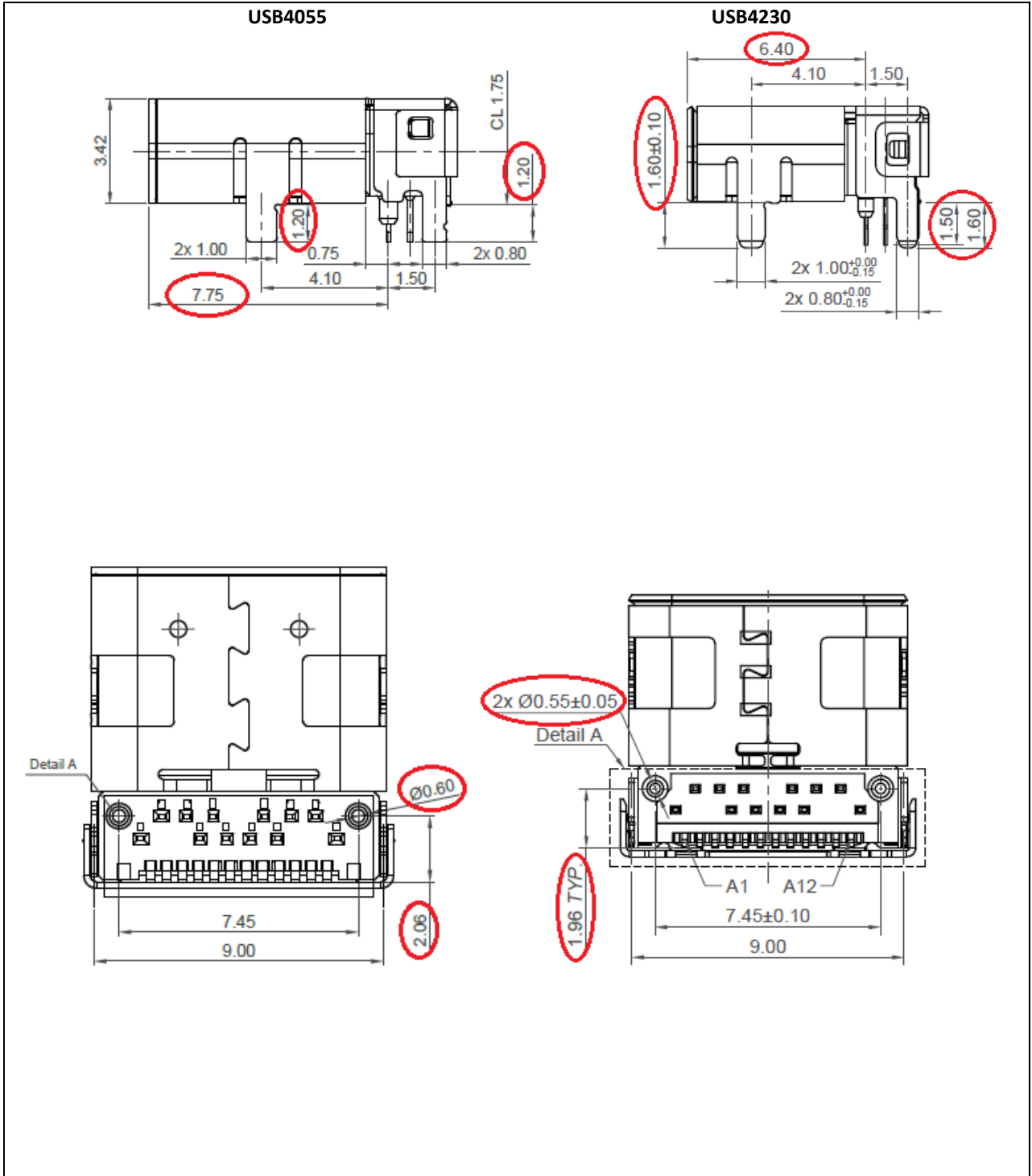


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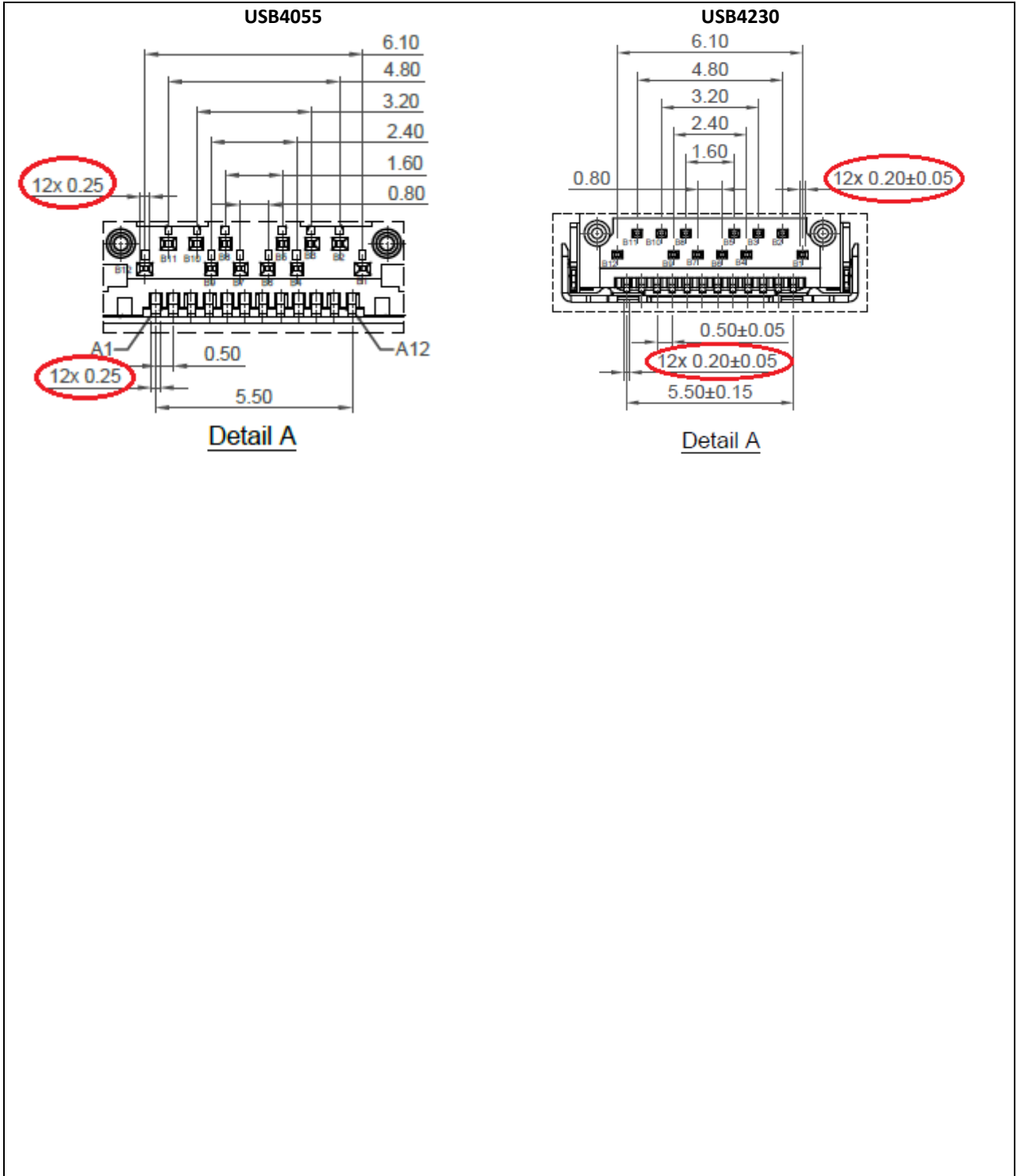


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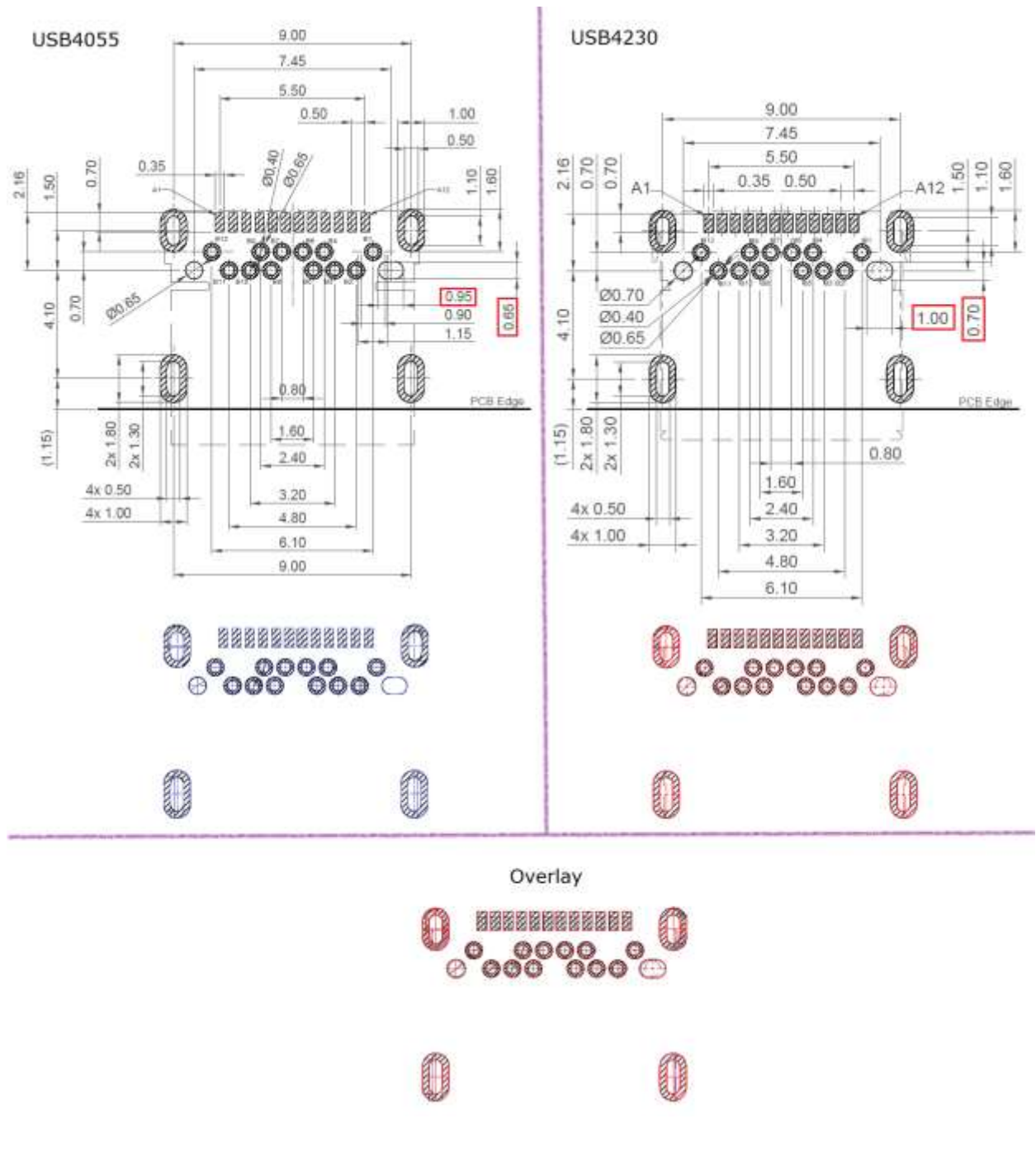
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### Comparison of product footprints



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### Additional Notes:

NONE

### Contact Information(s): (if blank, please visit [www.gct.co](http://www.gct.co) or use the regional details below).

GCT Europe (UK) +44 (0)1707 321122 sales@gct-europe.com	GCT Americas (USA) +1 978 208 1618 sales@gct-americas.com	GCT Asia-Pacific (HK) +852 2578 9030 sales@gct-apac.com

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