Amphenol	Product Application Slim Cool Edge, 0.65m Connector,		Product Spec. # Date : S-SE-032 2024/12/31		
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Product Application Specification For 0.65pitch Gen6 Vertical Slim Cool Edge Connector					
PN: SE30XXXXXXXXXX					
REVISION RECORD					P
REV PAGE A 8	<u>DESCRIPTION</u> FIRST RELEASE		<u>DATE</u> 24.12.18	<u>Prepare</u> Nick.y	
Prepared by :	Date:	Approved by :		Date:	
(Product Engineer)		(Engineering M	anager)		

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1. OBJECTIVE

This specification provides information and requirements for customer application of the 0.65pitch Gen6 vertical Slim Cool edge connector. It is intended to provide general guidance for process development. It should be recognized that no single process will work under all customer applications and the customers should develop processes to meet individual needs. However, if the processes vary from the recommended one, Amphenol cannot guarantee acceptable results.

2. SCOPE

This specification provides information and requirements regarding application of 0.65 pitch vertical Slim Cool edge connector to printed circuit boards (PCB). The connectors are designed for mother/daughter board applications and will accept different thickness of daughter card. They are available with multiple contacts.

3. DRAWING AND APPLICABLE DOCUMENTS

- Amphenol Product Specification S-SE-022
- Application Amphenol Customer Drawings

Amphenol product drawings and specifications are available by accessing the Amphenol website or contacting the Amphenol Technical Service. In the event of a conflict between this specification and the product drawing, the drawing takes precedence. Customers should refer to the latest revision level of Amphenol product drawings for appropriate product details.

4. PC BOARD REQUIREMENTS

4.1 MATERIAL AND THICKNESS

The pc board material shall be glass epoxy (FR4 or G-10).

4.2 MOTHER BOARD COPLANARITY TOLERANCE

Maximum allowable bow (co-planarity) shall be 0.03mm across the length of the pad area in the case of 0.13mm thick solder paste

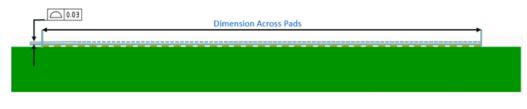
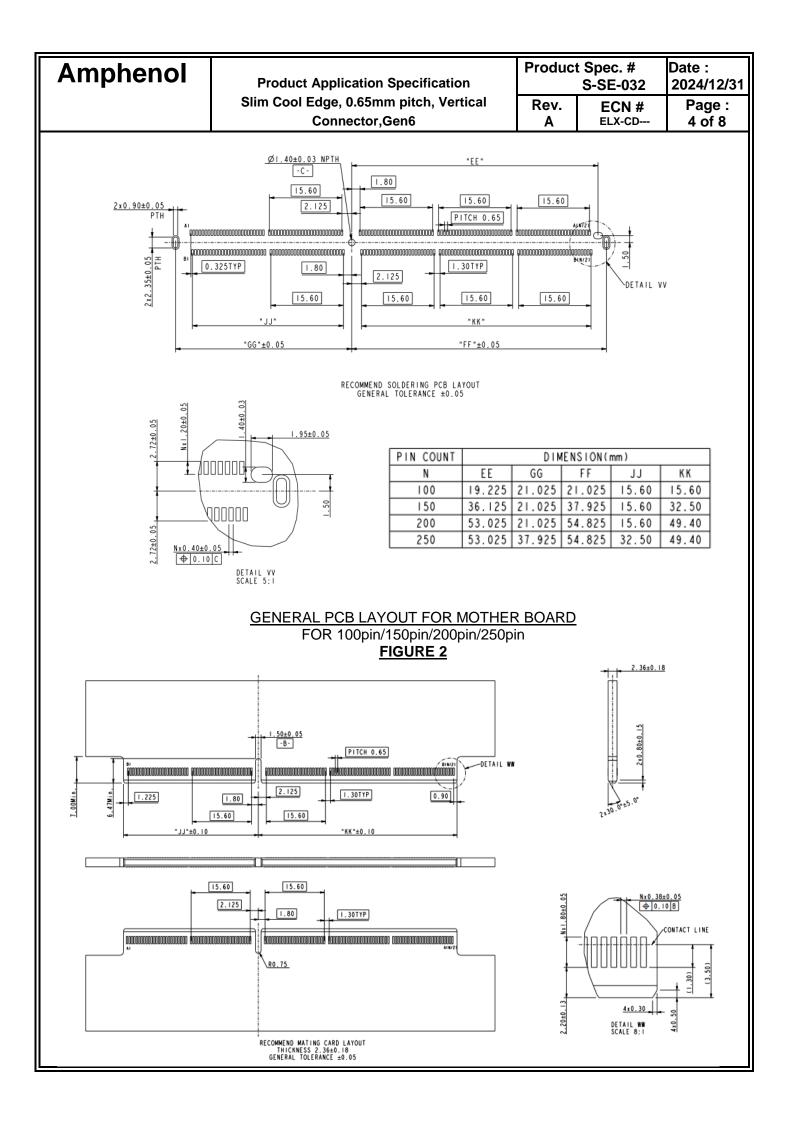
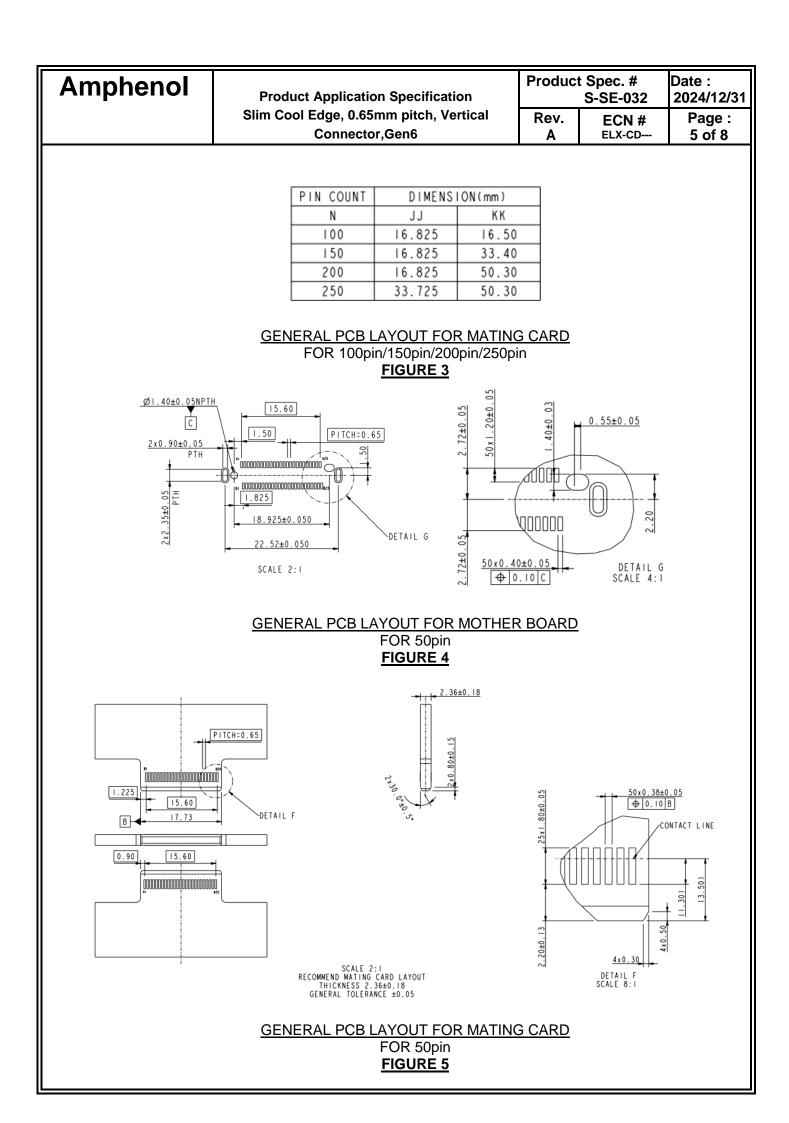


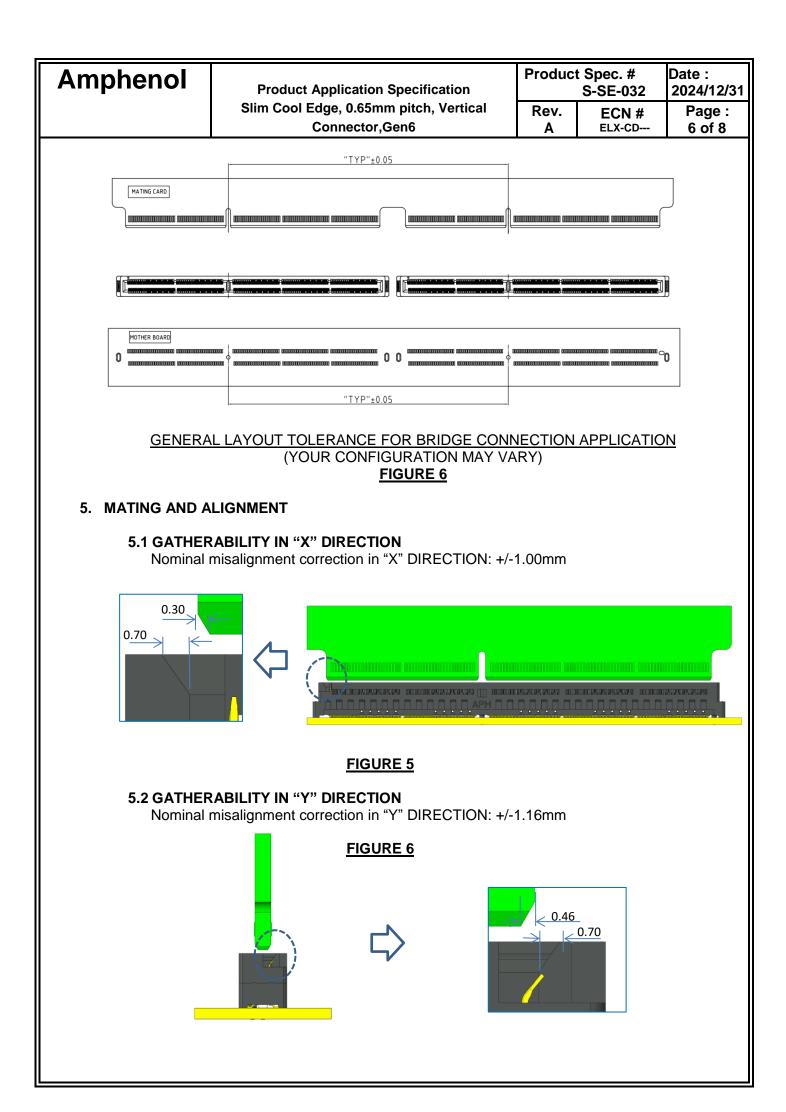
FIGURE 1

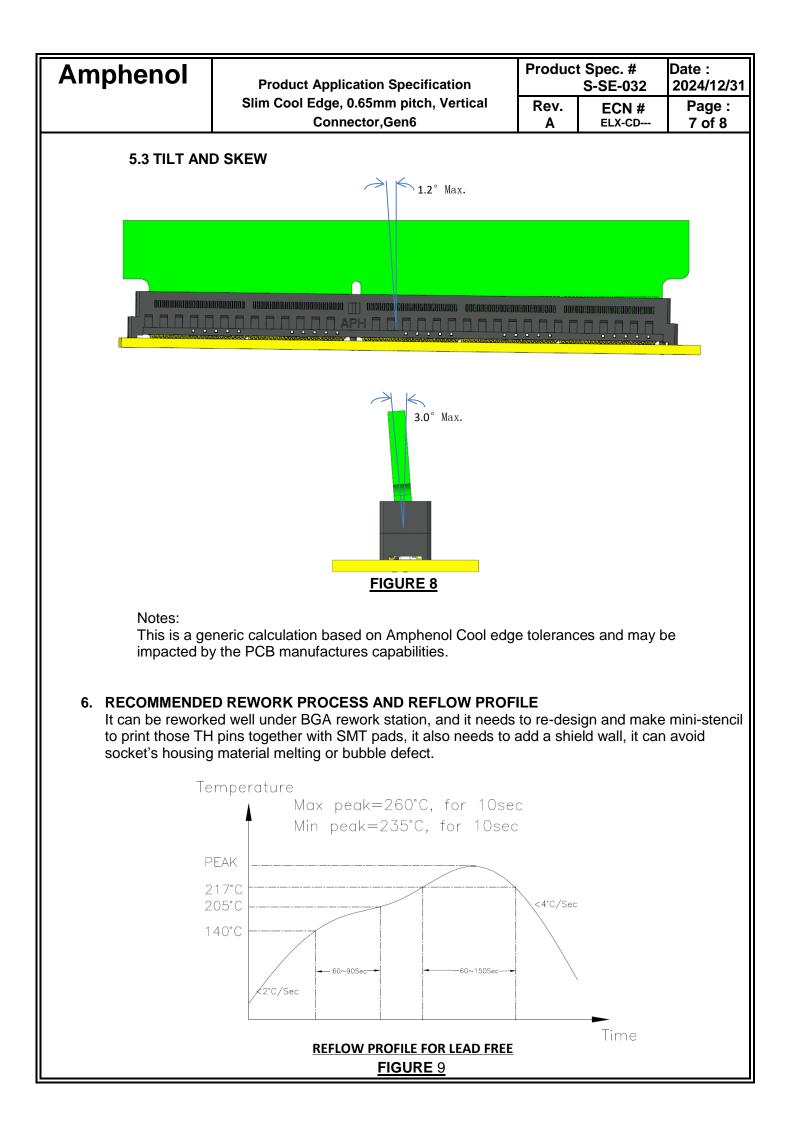
4.3LAYOUT

The holes for the connector assembly must be precisely located to ensure proper placement and optimum performance of the connector assembly. Recommended general holes, pads, dimensions, and tolerances are provided in Figure 2 to 5. It's a general layout, please refer to appropriate sales drawing for recommended PCB layout and thickness for each parts.









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7. CURRENT RATING PER SIGNAL PIN

Please refer to below table for current rating

PIN COUNT	CURRENT (A)
$\leq 10 \text{pin}$	1.0
≤ 20pin	0.8
≤ 60pin	0.6
> 60pin	0.5

8. PIN MAP

The pin map definition must conform to "GSSGSSGSSG......GSSG". The pin map and part number can be different upon different signal requirement. Please confirm the definition of pin map with Amphenol.