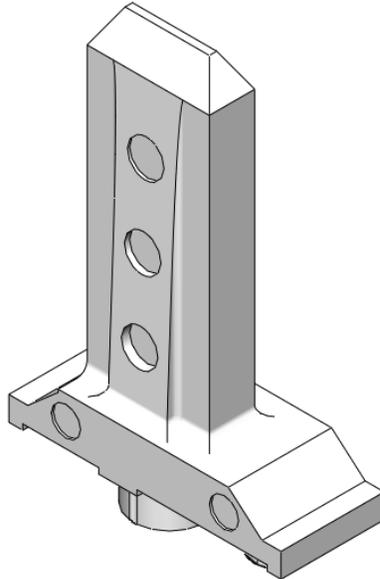
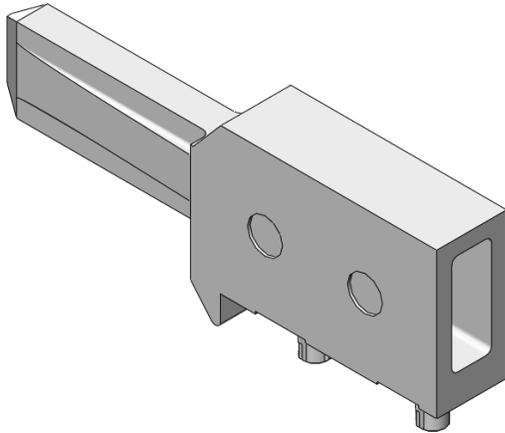


Series: SureWare™ Terminal / Socket Guide Module for ExaMAX®

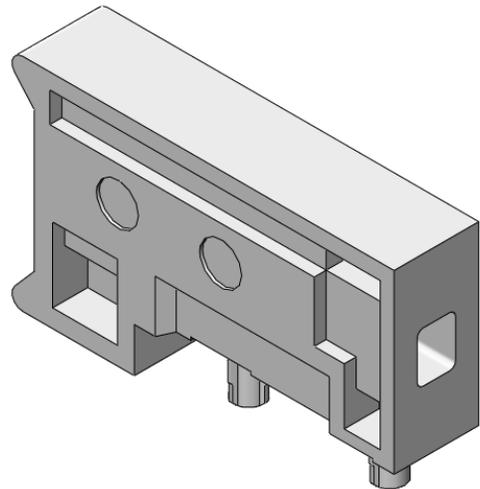
EGBM Series – Vertical Orientation



EGBM Series – Right Angle Orientation



EGBF Series – Right Angle Orientation



See www.samtec.com for more information.

Series: SureWare™ Terminal / Socket Guide Module for ExaMAX®

1.0 SCOPE

1.1 This specification covers performance, quality requirements for Samtec’s EGBM EGBF guide modules.

2.0 DETAILED INFORMATION

2.1 Product prints, footprints, catalog pages, test reports and other specific, detailed information can be found at <https://www.samtec.com/products/egbm> and <https://www.samtec.com/products/egbf>.

2.2 EGBM and EGBF assist with initial misalignment when blind mating board connectors and controls macro-alignment while allowing other connectors to control micro-alignment.

3.0 APPLICATION

3.1 Two guide modules are recommended for each daughter card positioned outside of any signal modules to maximize effectiveness. In cases where there is a very large span of signal connectors (larger than 12 inches), an extra guide module may be needed near the center of the daughter card. This would only be necessary if the expected amount of board bow is larger than the amount of initial misalignment that can be tolerated by the signal connectors used. Weight of the daughter card could also determine the quantity of guide modules needed.

3.2 EGBM and EGBF are designed to work with hard metric standard connectors and backplane systems but can also be used in other blind mate or rugged applications. In right angle perpendicular applications, the distance between the backplane and the front edge of the daughter card is 12.5mm. In right angle to right angle coplanar applications, the distance between the front edges of the daughter cards is 12.5mm.

3.3 Mated Views:

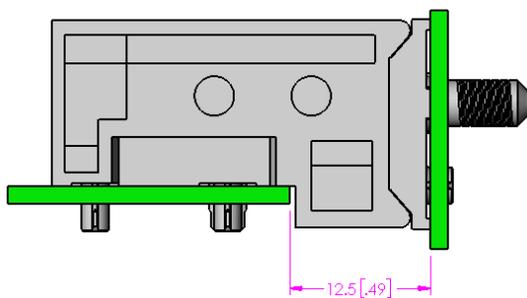


FIGURE 1
EGBM-VT MATED WITH EGBF-RA

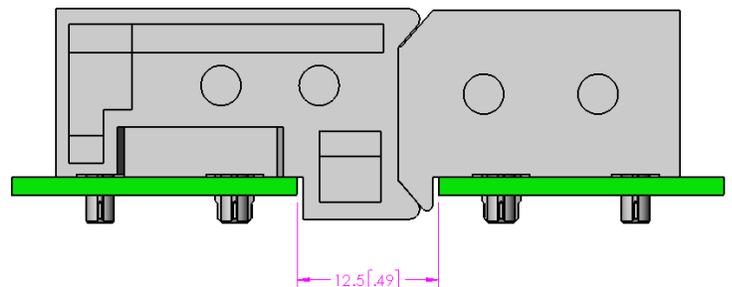
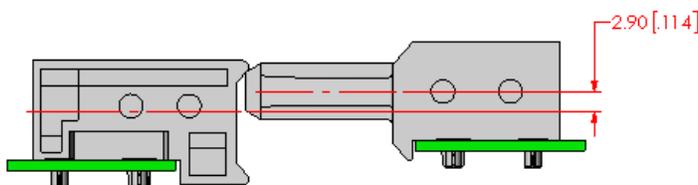
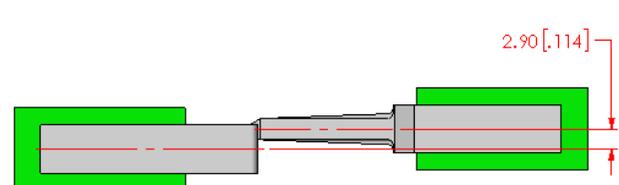


FIGURE 2
EGBM-RA MATED WITH EGBF-RA

3.4 Initial Linear Misalignment:



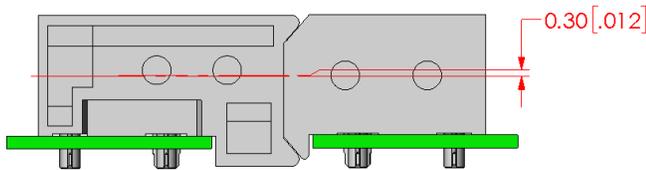
INITIAL X AXIS LINEAR MISALIGNMENT



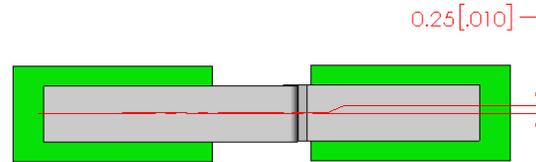
INITIAL Y AXIS LINEAR MISALIGNMENT

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3.5 Allowable Final Linear Misalignment:



FINAL X AXIS LINEAR MISALIGNMENT



FINAL Y AXIS LINEAR MISALIGNMENT

4.0 MOUNTING HARDWARE

4.1 EGBM-VT with External Threading

A commercially available M5 nut must be used to secure the EGBM-VT with External Threading. Customers should do their own torque study to determine the torque spec. However, in order to prevent damage to the guide module, the maximum recommended torque for the nut is 1.58 N-m (14 in-lbs).

4.2 EGBM-VT with Internal Threading

A commercially available M3.5 screw must be used to secure the EGBM-VT with Internal Threading. Customers should do their own torque study to determine the torque spec. However, in order to prevent damage to the guide module, the maximum recommended torque for the screw is 0.90 N-m (8 in-lbs).

4.3 EGBM-RA

A commercially available M3 screw must be used to secure the EGBM-RA. Customers should do their own torque study to determine the torque spec. However, in order to prevent damage to the guide module, the maximum recommended torque for the screw is 0.90 N-m (8 in-lbs).

4.4 EGBF

A commercially available M3 screw must be used to secure the EGBF. Customers should do their own torque study to determine the torque spec. However, in order to prevent damage to the guide module, the maximum recommended torque for the screw is 0.90 N-m (8 in-lbs).

5.0 ADDITIONAL RESOURCES

5.1 For additional product information, contact our Customer Engineering Support Group at CES@samtec.com

Series: SureWare™ Terminal / Socket Guide Module for ExaMAX®

USE OF PRODUCT SPECIFICATION SHEET

This Product Specification Sheet (“PSS”) is a brief summary of information related to the Product identified. As a summary, it should only be used for the limited purpose of considering the purchase/use of Product. For specific, detailed information, including but not limited to testing and Product footprint, refer to Section 2.0 of this document and the links there provided to test reports and prints. This PSS is the property of Samtec, Inc. (“Samtec”) and contains proprietary information of Samtec, our various licensors, or both. Samtec does not grant express or implied rights or license under any patent, copyright, trademark or other proprietary rights and the use of the PSS for building, reverse engineering or replication is strictly prohibited. By using the PSS, the user agrees to not infringe, directly or indirectly, upon any intellectual property rights of Samtec and acknowledges that Samtec, our various licensors, or both own all intellectual property therein. The PSS is presented “AS IS”. While Samtec makes every effort to present excellent information, the PSS is only provided as a guideline and does not, therefore, warrant it is without error or defect or that the PSS contains all necessary and/or relevant information about the Product. The user agrees that all access and use of the PSS is at its own risk. **NO WARRANTIES EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY KIND WHATSOEVER ARE PROVIDED.**