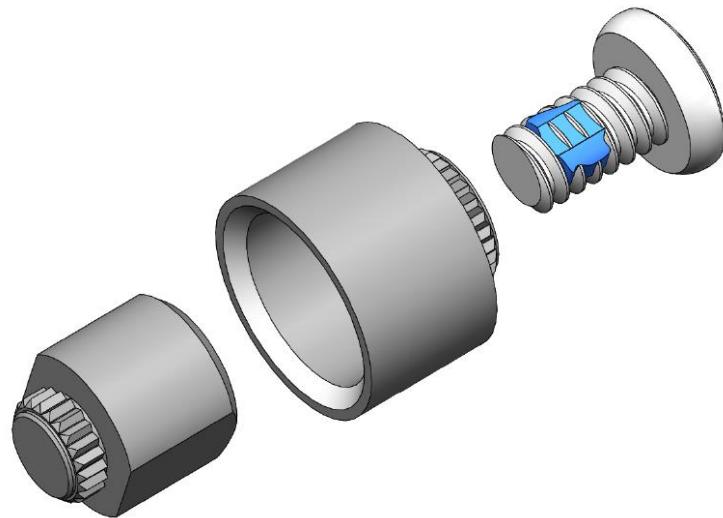
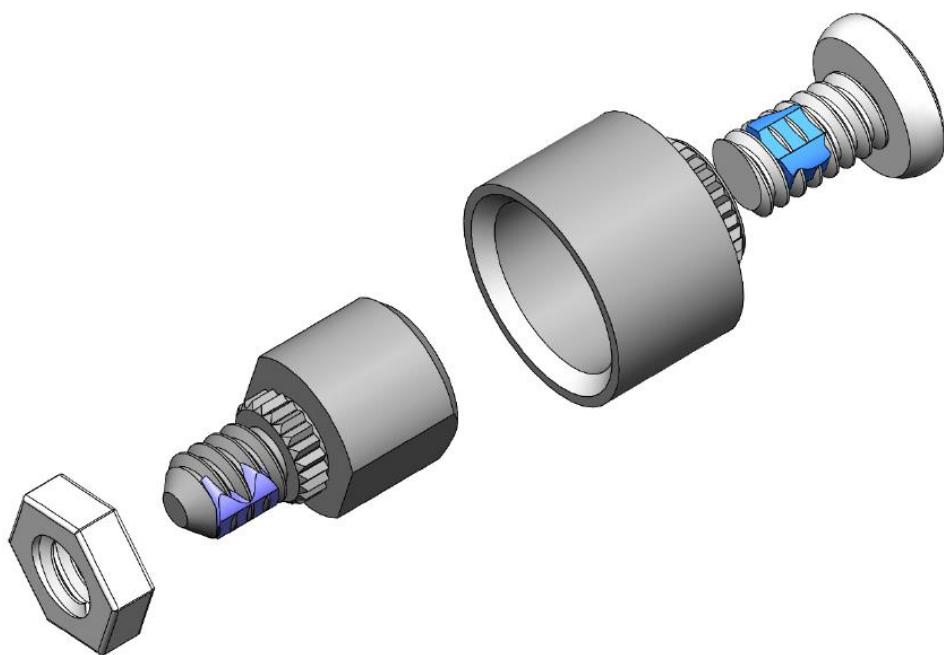


**Series:** GPSO Guide Post Standoff

Press-In Lead Style



Press-In with Nut Lead Style



See [www.samtec.com](http://www.samtec.com) for more information.

**Series:** GPSO Guide Post Standoff

## 1.0 SCOPE

1.1 This specification covers performance, testing and quality requirements for Samtec's GPSO Guide Post Standoff.

## 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/gpso>.

2.2 GPSO assists with initial misalignment when blind mating board stacking connectors. Reference JSO and JSOM standoffs to assist with high mating/unmating force applications. GPSO controls macro-alignment from board to board; float in the GPSO guidance allows connector to control micro-alignment.

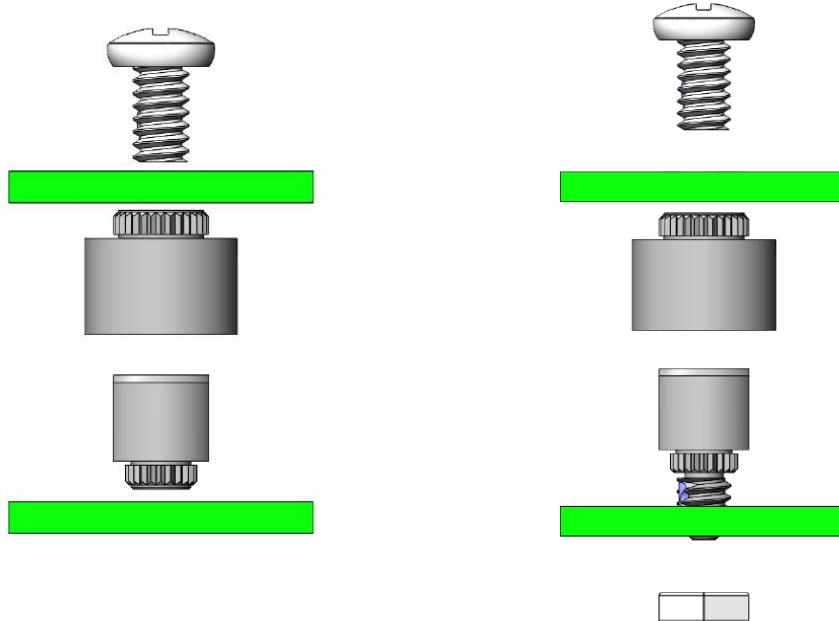
## 3.0 TESTING

### 3.1 Mechanical:

ITEM	REQUIREMENT	STATUS
Pullout Force	40 Lbs minimum	Pass
Torque Force	10 in-lbs minimum	Pass

## 4.0 Application

### 4.1 GPSO Exploded View

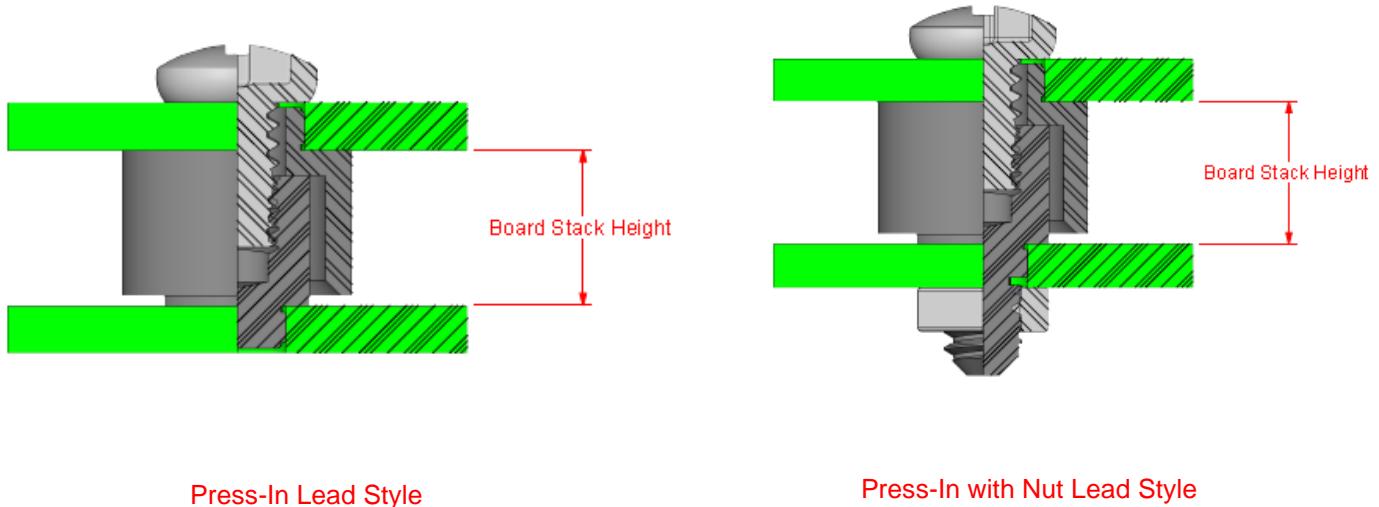


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#### 4.2 Fully Mated View



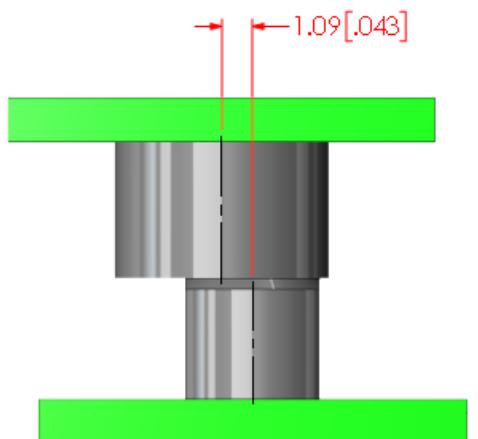
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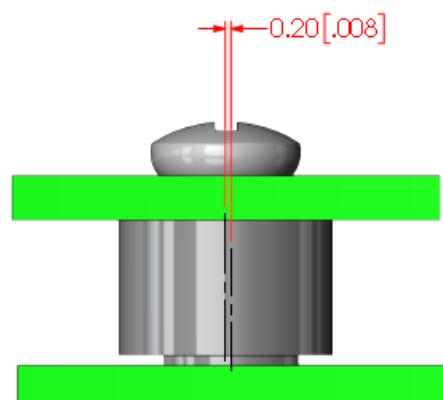
**NOTE:** Standoffs are designed .15mm longer than fully mated connector stack heights to allow for processing variables. If fully mated stack height is 5 mm, select a 5.15mm GPSO stack height.

#### 4.3 Mating Alignment Requirements:

##### 4.3.1 Allowable Radial Linear misalignment



INITIAL RADIAL LINEAR MISALIGNMENT



FINAL RADIAL LINEAR MISALIGNMENT

**Series:** GPSO Guide Post Standoff

**4.3.2 Allowable Angular misalignment:** Reference Max connector initial angular misalignment. Use worst case angular misalignment in system design to prevent stubbing/crashing.



## 5.0 ADDITIONAL RESOURCES

**5.1** For additional mechanical testing or product information, contact our Customer Engineering Support Group at [CES@samtec.com](mailto:CES@samtec.com)

### 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.**