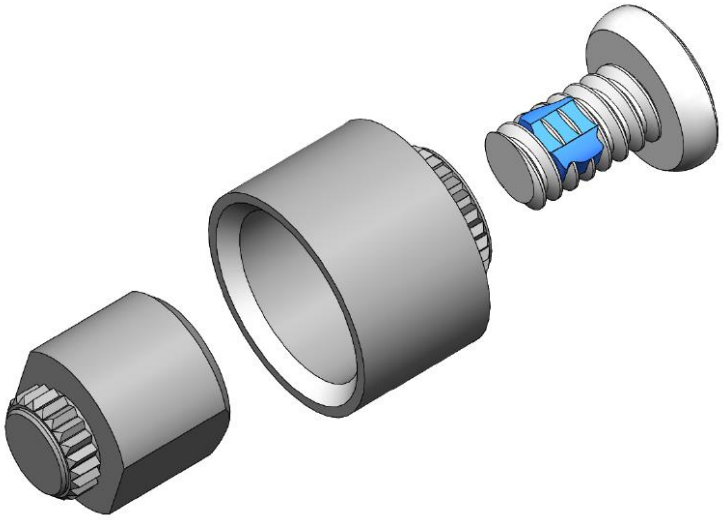
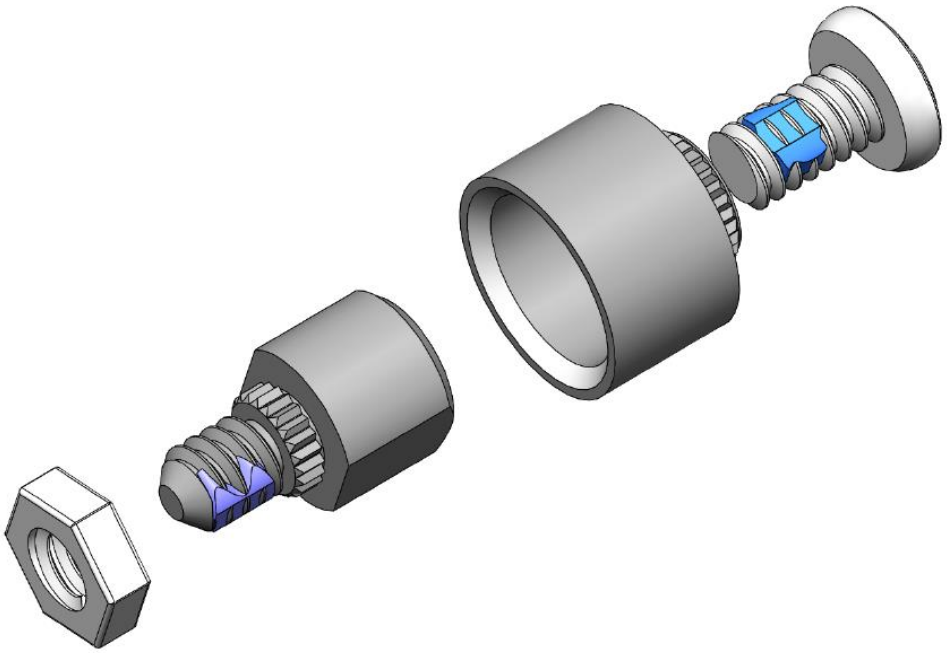
Series: GPSO Guide Post Standoff

Press-In Lead Style



Press-In with Nut Lead Style



See www.samtec.com for more information.

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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.

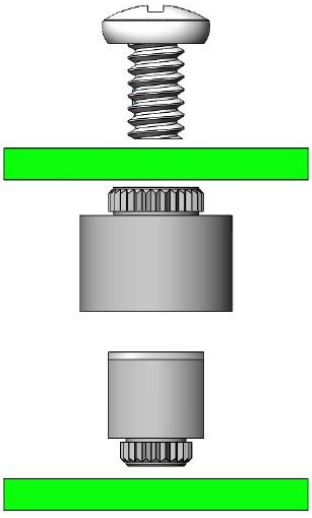
3.0 TESTING

3.1 Mechanical:

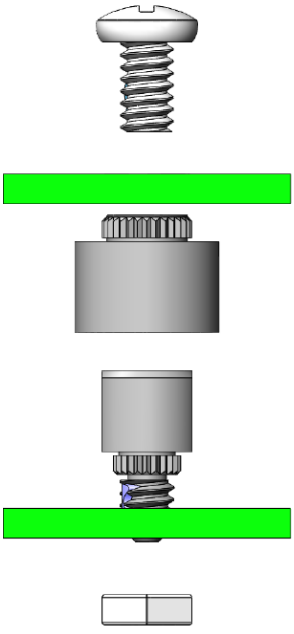
ITEM	REQUIREMENT	STATUS
Pullout Force	40 Lbs minimum	Pass
Torque Force	10 in-lbs minimum	Pass

4.0 Application

4.1 GPSO Exploded View



Press-In Lead Style



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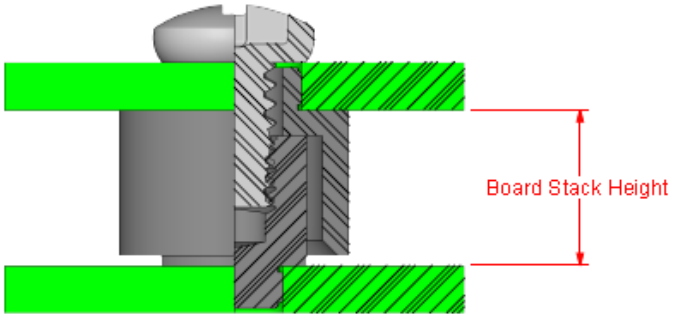
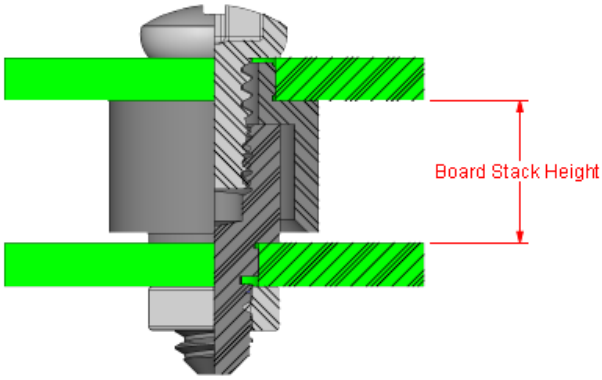
4.2 Fully Mated View



Press-In Lead Style



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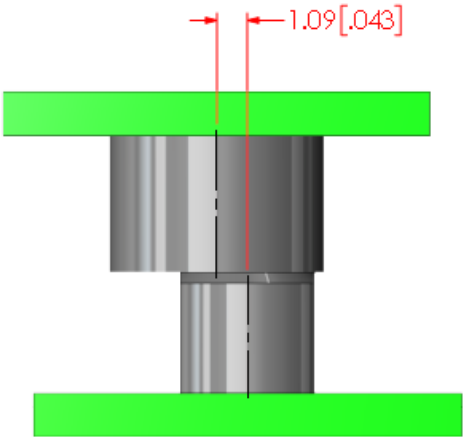
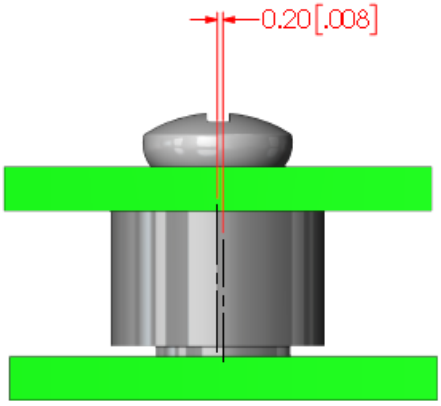
NOTE: Standoffs are designed .15mm longer than fully mated connector stack heights to allow for processing variables. If fully mated stack height is 5 mm, select a 5.15mm GPSO stack height.

4.3 Mating Alignment Requirements:

4.3.1 Allowable Radial Linear misalignment



INITIAL RADIAL LINEAR MISALIGNMENT



FINAL RADIAL LINEAR MISALIGNMENT

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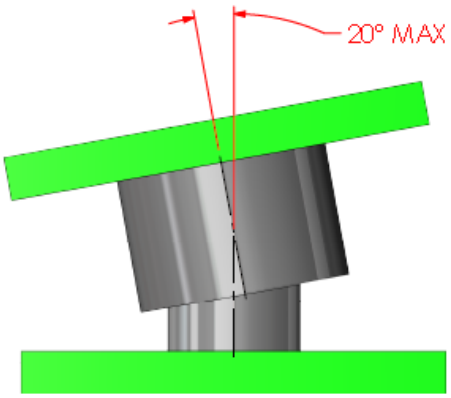
4.3.2 Allowable Angular misalignment: Reference Max connector initial angular misalignment. Use worst case angular misalignment in system design to prevent stubbing/crashing.



INITIAL ANGULAR MISALIGNMENT

NOT APPLICABLE

FINAL ANGULAR MISALIGNMENT

5.0 ADDITIONAL RESOURCES

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