samtec

Z RAY®

ZSO–0100–01

ZD–1.00–03.7

ZHSI–02–01

Z-RAY® PRESS-FIT ALIGNMENT HARDWARE

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?ZSO, www.samtec.com?ZD or www.samtec.com?ZHSI
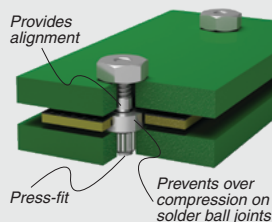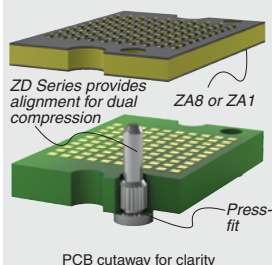
Material:
Brass
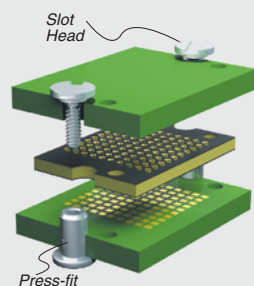**Plating:**
100 µ" (2.54 µm) Ni

APPLICATIONS

ZSO APPLICATION

Provides alignment

Press-fit

Prevents over compression on solder ball joints

ZD APPLICATION

ZD Series provides alignment for dual compression

ZA8 or ZA1

Press-fit

PCB cutaway for clarity

ZHSI APPLICATION

Slot Head

Press-fit

| ZSO | – | STACK HEIGHT | – | 01 |

| **−0100**
= 1.00 mm (.0394") |

(3.00) .118 DIA

(0.91) .036
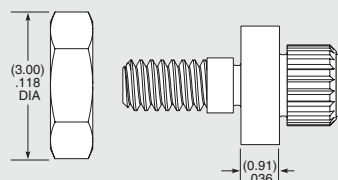
| ZD | – | DIAMETER | – | LENGTH |

| **−1.00**
= 1.00 mm (.0394") | **−03.7**
= 03.7 mm (.146") |

(1.41) .056 DIA KNURL

(1.00) .0394 DIA

(0.65) .026

(1.35) .053

(0.50) .020

(1.5) .059

(3.70) .146
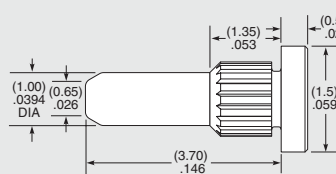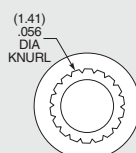
| ZHSI | – | STACK HEIGHT | – | HEAD SPECIFICATION |

| **Specify STACK HEIGHT from chart below.** | **−01**
= Slot Head |
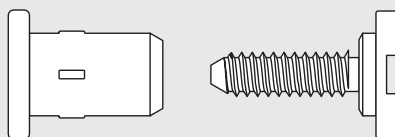
°°STACK HEIGHT	PCB 1 THICKNeSS	PCB 2 THICKNeSS	INTERPOSER HEIGHT
−01	(1.57) 0.062	(1.57) 0.062	(1.00) 0.039
−02	(2.36) 0.093	(1.57) 0.062	(1.00) 0.039
−02	(2.36) 0.093	(2.36) 0.065	(1.00) 0.039
−02	(3.18) 0.125	(1.57) 0.062	(1.00) 0.039
−03	(3.18) 0.125	(2.36) 0.093	(1.00) 0.039

Note: Overtightening may cause screw damage. Contact Samtec for specific torque details.

Due to technical progress, all designs, specifications and components are subject to change without notice.

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All parts within this catalog are built to Samtec's specifications.
irements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.