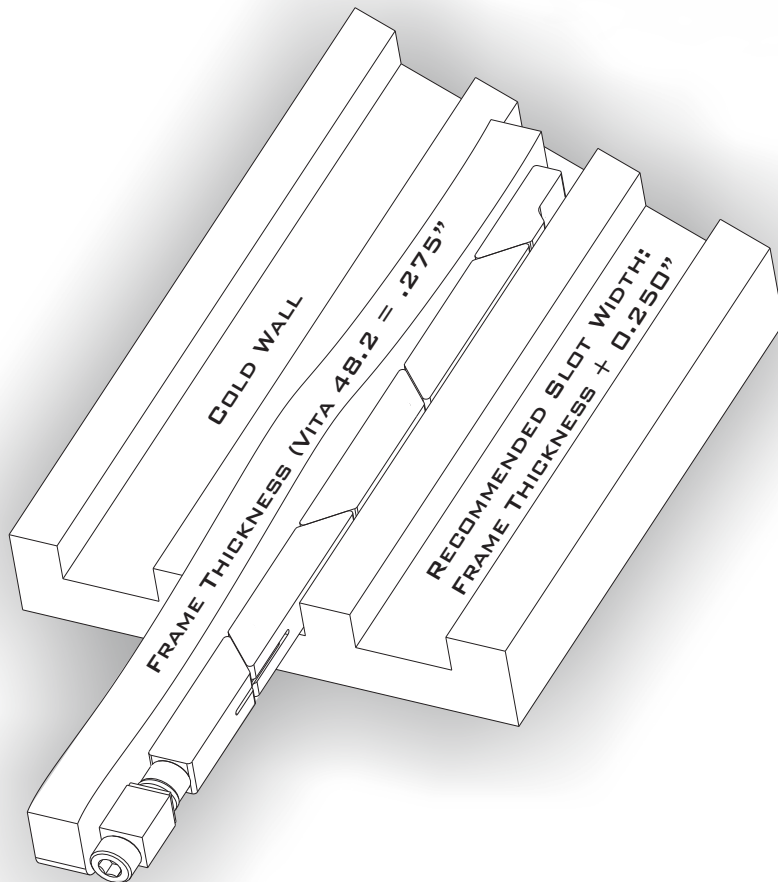
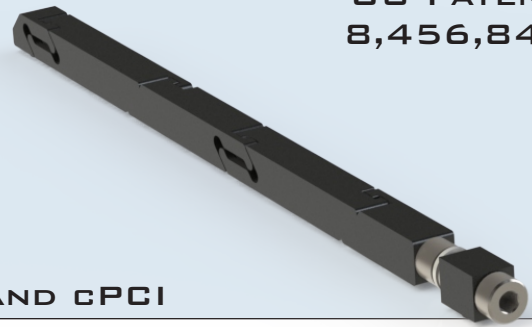


THE SOLID WEDGE SERIES REPRESENTS AN INNOVATIVE APPROACH TO CREATE A SIGNIFICANTLY HIGHER THERMAL PERFORMANCE FOR PRINTED CIRCUIT BOARDS WITH LARGE THERMAL LOADS IN CONDUCTION COOLED APPLICATIONS.

OPTIMIZED FOR VITA 48.2 AND cPCI

US PATENT  
8,456,846



**THERMAL RESISTANCE:**

SW5-48-225-225 = 0.18°C/W  
(RESISTANCE PER WEDGE LOCK)

**FEATURES:**

- SUPERIOR CLAMPING FORCE
- ZERO INSERTION FORCE
- LOW PROFILE DESIGN
- SELF RETRACTING SEGMENTS
- POSITIVE DRIVE SYSTEM
- LARGEST DRIVE SCREW AVAILABLE
- SUPERIOR PLATING ENDURANCE
- OPTIMIZED FOR VITA 48.2
- MODELS AVAILABLE FOR DOWNLOAD
- TORQUE TO 6-10 IN-LBS

**MATERIALS:**

**ALUMINUM ALLOYS:**

- ACTIVE WEDGE SEGMENTS 6061-T6
- FRONT MOUNTING BLOCK 7075-T6

**300 SERIES STAINLESS STEEL:**

(PASSIVATED PER AMS - 2700)

- WASHERS
- ROUND NUT
- HEX DRIVE SCREW

THE SOLIDWEDGE DESIGN PROVIDES THREE TIMES THE THERMAL CONTACT AREA OF CONVENTIONAL WEDGE LOCKS. THE DESIGN ALSO FEATURES A LARGER SCREW SIZE WHICH CREATES HIGHER CONTACT FORCES BETWEEN THE HEAT FRAME AND COLD WALL SURFACES, WHICH SIGNIFICANTLY IMPROVES THERMAL PERFORMANCE.

THE INTERCONNECTED LINKS OF THE SOLIDWEDGE ALSO PROVIDE FOR A POSITIVE

## PART NUMBER BUILDER

**SW5 - 48 - 225 - 225 - XXX - XX - YY**

<b>HEIGHT</b> 0.225"	<b>WIDTH</b> 0.225"	<b>HEX DRIVE</b>	<b>FINISH</b>	<b>OTHER OPTIONS</b>
<b>4.8" MTG HOLE SPACING - 48</b>		<b>3/32" HEX KEY - 332</b> <b>2.5MM HEX KEY - M25</b> <b>7/64" HEX KEY - 764</b>	<ul style="list-style-type: none"> <li>- <b>BV</b> - BELLEVILLE WASHERS</li> <li>- <b>NL</b> - NYLOK LOCK PATCH</li> </ul>	
<b>5 ACTIVE SEGMENTS - 5</b>				
<b>SOLIDWEDGE - SW</b>				

BLACK ANODIZE PER MIL-A-8625, TYPE II, CLASS 2 - **BA**  
 HARD BLACK ANODIZE PER MIL-A-8625, TYPE III, CLASS 3 - **BH**  
 CHEMICAL FILM PER MIL-C-5541, CLASS 1A, CLEAR - **CC**  
 CHEMICAL FILM PER MIL-C-5541, CLASS 1A, GOLD, NON-ROHS - **CG**  
 ELECTROLESS NICKEL PER MIL-C-26074, CLASS 4, GRADE B, BRIGHT - **EN**

**X - REQUIRED VARIABLE**  
**Y - OPTIONAL VARIABLE**

**EXAMPLE PART#'S:**

SW5-48-225-225-332-BH-BV  
SW5-48-225-225-764-BA-BV

## MOUNTING DETAILS

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES.

TOLERANCES:  
TWO PLACE DECIMAL: ±.01  
THREE PLACE DECIMAL: ±.005

**EXPANSION DETAILS**

NOMINAL EXPANSION: .025"

MAXIMUM EXPANSION: .050"

