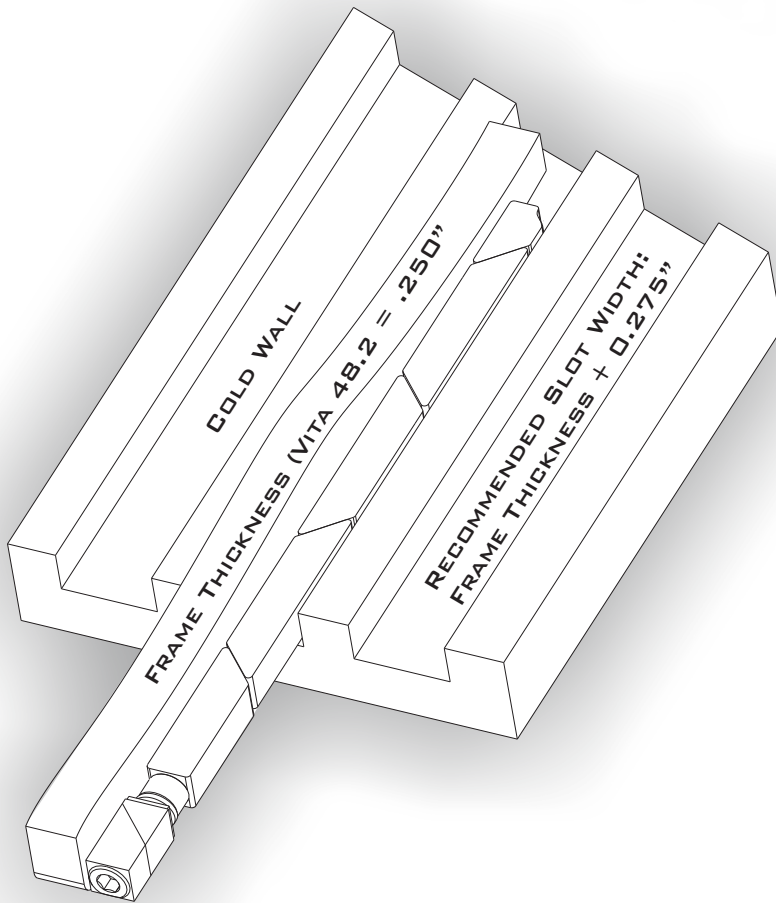
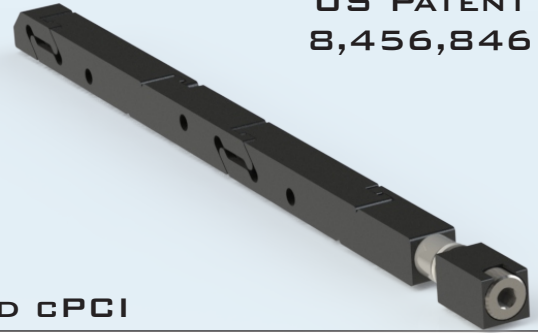


THE SOLID WEDGE SERIES REPRESENTS AN INNOVATIVE APPROACH TO CREATE A SIGNIFICANTLY HIGHER THERMAL PERFORMANCE FOR PRINTED CIRCUIT BOARDS WITH LARGE THERMAL LOADS IN CONDUCTION COOLED APPLICATIONS.

OPTIMIZED FOR VITA 48.2 AND GPCI

US PATENT  
8,456,846



**THERMAL RESISTANCE:**

SW5-475-250-300 = 0.09°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

**300 SERIES STAINLESS STEEL:**

(PASSIVATED PER AMS - 2700)

- WASHERS
- ROUND NUT
- HEX DRIVE SCREW

**HELICOIL WIRE INSERT**

- NITRONIC 60

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 RETRACTION OF ALL SEGMENTS WITHOUT THE USE OF SPRINGS OR OTHER MECHANISMS.

## PART NUMBER BUILDER

SW5 - 475 - 250 - 300 - XXX - XX - YY

<p>4.75" MTG HOLE SPACING - <u>475</u></p> <p>5 ACTIVE SEGMENTS - <u>5</u></p> <p><b>SOLIDWEDGE - <u>SW</u></b></p>	<p>HEIGHT 0.250"</p>	<p>WIDTH 0.300"</p>	<p>HEX DRIVE</p>	<p>FINISH</p>	<p>OTHER OPTIONS</p>
	<p>3/32" HEX KEY - <u>332</u> 2.5MM HEX KEY - <u>M25</u> 7/64" HEX KEY - <u>764</u></p>		<p>- <u>BV</u> - BELLEVILLE WASHERS - <u>NL</u> - NYLOK LOCK PATCH - <u>HC</u> - HELICOIL INSERTION</p>		
	<p>BLACK ANODIZE PER MIL-A-8625, TYPE II, CLASS 2 - <u>BA</u> HARD BLACK ANODIZE PER MIL-A-8625, TYPE III, CLASS 3 - <u>BH</u> CHEMICAL FILM PER MIL-C-5541, CLASS 1A, CLEAR - <u>CC</u> CHEMICAL FILM PER MIL-C-5541, CLASS 1A, GOLD, NON-ROHS - <u>CG</u> ELECTROLESS NICKEL PER MIL-C-26074, CLASS 4, GRADE B, BRIGHT - <u>EN</u></p>				

X - REQUIRED VARIABLE  
Y - OPTIONAL VARIABLE

EXAMPLE PART#'S:

SW5-475-250-300-332-BH  
SW5-475-250-300-764-BA-BV

## MOUNTING DETAILS

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES.  
TOLERANCES:  
TWO PLACE DECIMAL: ±.01  
THREE PLACE DECIMAL: ±.005

