

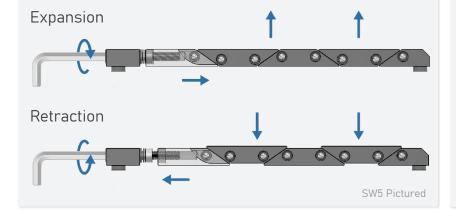
The SOLIDWEDGE $^{\text{TM}}$ is a breakthrough technology that allows conduction cooled modules to operate at higher thermal loads in higher temperature environments.

OPTIMIZED FOR VITA 48.2 AND CPCI



POSITIVE RETRACTION

Adjacent wedge segments are connected to prevent a stuck wedge lock. Turning the drive screw counterclockwise retracts the threaded drive wedge, pulling each of the connected segments down to their relaxed position.



THERMAL RESISTANCE

0.08 °C/W Resistance per Card Edge

FEATURES

1800 lb Clamping Force
Mass: 98 g
Helicoil Insert
Belleville Spring Washers
#10 Drive Screw
Zero Insertion Force
Low Profile Design
Self-Retracting Segments
Superior Plating Endurance
Optimized for VITA Specifications
Models Available for Download
Torque to 15-30 in-lbs

MATERIALS

Active Wedge Segments: 6061-T6511

Front Mounting Block: 7075-T7351

Screws, Nuts, Washers: 300 Series Stainless Steel (passivated per AMS - 2700)

Helicoil Wire Insert: Nitronic 60

3D MODEL:

https://a360.co/47Aku9R

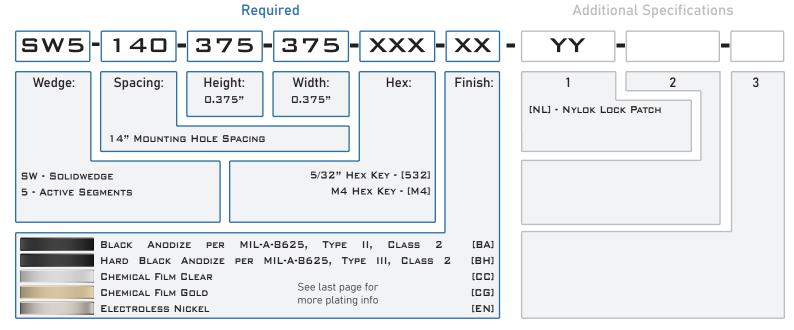
The SOLIDWEDGE[™] design provides three times the thermal contact area of conventional wedge locks. The design also features a larger screw size, which creates higher contact forces between the heat frame and cold wall surfaces, significantly improving thermal performance.

The interconnected links of the SOLIDWEDGETM feature positive retraction of all segments without the use of springs or other mechanisms.



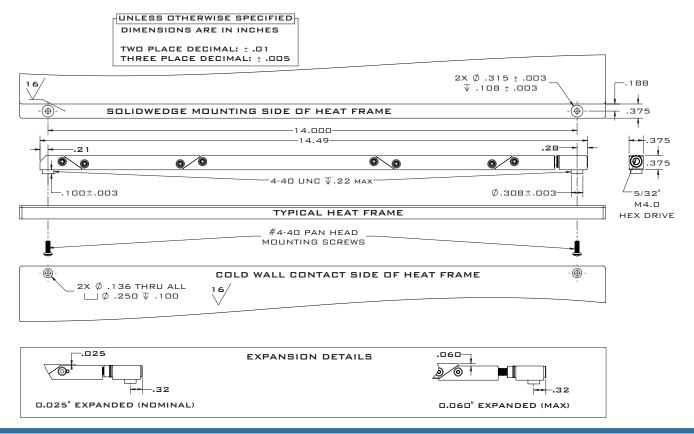


PART NUMBER BUILDER



RECOMMENDED PART NUMBER: SW5-140-375-375-532-BA

MOUNTING DETAILS







Standard material specs for WaveTherm's SOLIDWEDGE™, injector/ejectors, and OpenCOTS products.

ASSEMBLY HARDWARE



300 SERIES STAINLESS STEEL

Compliance Specification Use Case

Passivated per Standard material for screws, nuts, washers, **DFARS** and SOLIDWEDGE™ straps in WaveTherm product AMS-2700 RoHS

assemblies. **REACH**

ALUMINUM PLATING



BLACK ANODIZED - BA

REACH

Specification Compliance Properties and Use Case

MIL-A-8625 Provides reliable corrosion resistance and durability. RoHS Type II Ideal for use in demanding applications requiring high

Class 2 insertion/extraction counts.



BLACK ANDDIZED HARDENED - BH

Compliance Specification Properties and Use Case

MIL-A-8625 Provides superior corrosion resistance and high RoHS

Type III durability. Ideal for use in harsh and rugged **REACH**

environments with high insertion/extraction counts.

Properties and Use Case

Properties and Use Case

thermal management.

performance and excellent electrical

conductivity. Ideal for high-performance



CHEMICAL FILM CLEAR - CC

Class 2

Compliance Specification Properties and Use Case

MIL-DTL-5541 Provides good corrosion resistance and electrical RoHS

Type II conductivity with lower durability. Not ideal for high **REACH**

Class 1A insertion/extraction counts.

MIL-C-5541



CHEMICAL FILM GOLD - CG

Clear

Compliance Specification

MIL-DTL-5541 RoHS

Provides good electrical conductivity or* Class 1A with lower durability. Not suited for Type I REACH

Class 1A Gold high insertion/extraction counts.

Gold

ELECTROLESS NICKEL - EN

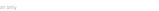
Compliance

Specification

AMS-C-26074 Provides excellent thermal MIL-C-26074

RoHS Class 4 **REACH**

or* Class 4 Grade B Grade B



*varies based on plating vendor's certificates of conformance

