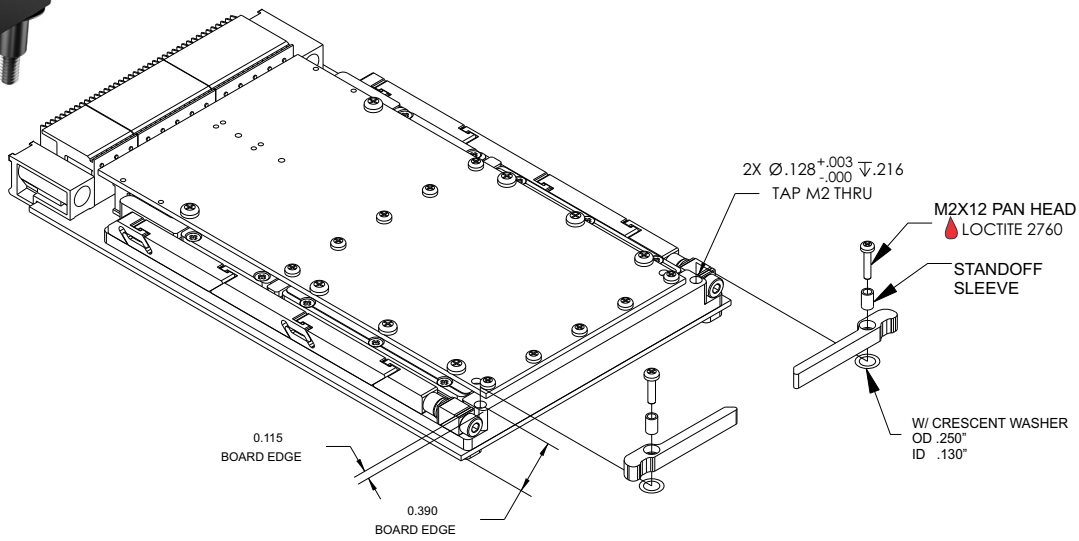
WaveTherm

3U Injector/Ejector #1472 and #1473

The OpenCOTS 3U ejectors represent an innovative approach to create a field replaceable inject / eject handle for cPCI and VME/VPX designs. The ejector handles are ergonomically designed to provide a mechanical advantage entering and exiting a chassis slot.

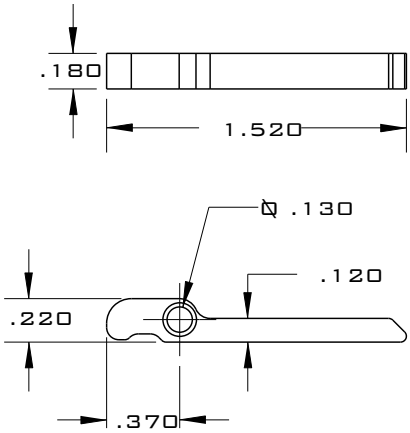
Optimized for VITA 48.2 and cPCI



FEATURES

Field replaceable
Injection / ejection
VITA 48.2 compliant
VME amd cPCI compliant
Low profile design
Ergonomic design
3D models available

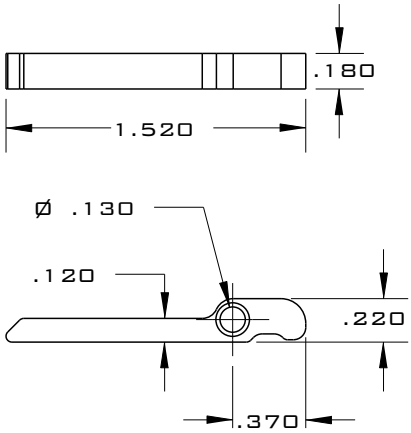
#1473 (Left)



MATERIALS

Body:
Aluminum AL7075-T7351
Hardware:
300 Series Stainless Steel
(passivated per AMS - 2700)

#1472 (Right)



PART NUMBER BUILDER

1473	-	XX	-	XXXX

Ejector Style
Right Side [1472]
Left Side [1473]

Finish

	Black Anodize per MIL-A-8625, Type II, Class 2	[BA]
	Hard Black Anodize per MIL-A-8625, Type III, Class 2	[BH]
	Chemical Film Clear	[CC]
	Chemical Film Gold	[CG]
	Electroless Nickel	[EN]

See last page for more plating info

Mounting

[1875] - .1875" Standoff, M2 Screw & Washer
[250] - .250" Standoff, M2 Screw & Washer
[3125] - .3125" Standoff, M2 Screw & Washer

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TECHNICAL - TECH@WAVETHERM.COM
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919-307-8071

REV 20240926

WaveTherm

Plating and Material Specifications

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

ASSEMBLY HARDWARE

300 Series Stainless Steel

Compliance	Specification	Use Case
✓ DFARS ✓ RoHS ✓ REACH	Passivated per AMS-2700	Standard material for screws, nuts, washers, and SOLIDWEDGE™ straps in WaveTherm product assemblies.

ALUMINUM PLATING

BLACK ANODIZED - BA

Compliance	Specification	Properties and Use Case
✓ RoHS ✓ REACH	MIL-A-8625 Type II Class 2	Provides reliable corrosion resistance and durability. Ideal for use in demanding applications requiring high insertion/extraction counts.

BLACK ANODIZED HARDENED - BH

Compliance	Specification	Properties and Use Case
✓ RoHS ✓ REACH	MIL-A-8625 Type III Class 2	Provides superior corrosion resistance and high durability. Ideal for use in harsh and rugged environments with high insertion/extraction counts.

CHEMICAL FILM CLEAR - CC

Compliance	Specification	Properties and Use Case
✓ RoHS ✓ REACH	MIL-DTL-5541 Type II Class 1A Clear	Provides good corrosion resistance and electrical conductivity with lower durability. Not ideal for high insertion/extraction counts.

CHEMICAL FILM GOLD - CG

Compliance	Specification			Properties and Use Case
✗ RoHS ✗ REACH	MIL-DTL-5541 Type I Class 1A Gold	or*	MIL-C-5541 Class 1A Gold	Provides good electrical conductivity with lower durability. Not suited for high insertion/extraction counts.

ELECTROLESS NICKEL - EN

Compliance	Specification			Properties and Use Case
✓ RoHS ✓ REACH	MIL-C-26074 Class 4 Grade B	or*	AMS-C-26074 Class 4 Grade B	Provides excellent thermal performance and excellent electrical conductivity. Ideal for high-performance thermal management.

Images for demonstration only

*varies based on plating vendor's certificates of conformance

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