

452E POST EJECTOR DATA SHEET

The 452E ejectors are a ready to go insertion and extraction solution for embedded computing heat frames. The 452E can adapt to 3U or 6U frames through material and length options. The slim design allows for maximum PCB component space. Designed for VITA 48 applications this ejector is ready to be inserted into any design.



FEATURES

- Designed for use in VITA 48 applications
- Mechanical advantage: 2.7x 3.9x
- · Material: 6061-T6 aluminum, or 7075-T6 aluminum
- Nominal ejection distance: .23"
- Maximum injection/ejection output 34-110 lbs
- · Special lengths, finish, and other design options available upon request

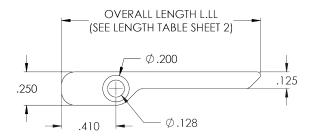
HARDWARE INCLUDED

- Extra-wide truss head no. 1 Philips screw, M2 x 6mm I, stainless steel, passivate Recommended screw torque is 3.5 in-lbs (40 N-cm)
- 18-8 SS .190" OD wave washer

For complete heatframe assembly or other component items,

CONTACT WAKEFIELD

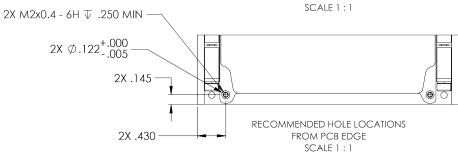
GENERAL DIMENSIONS

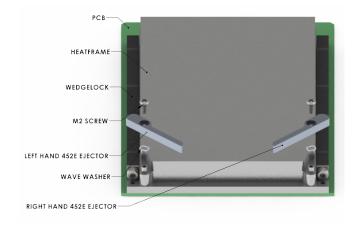






RECOMMENDED EJECTOR POST HEIGHT





NEED DESIGN ASSISTANCE?

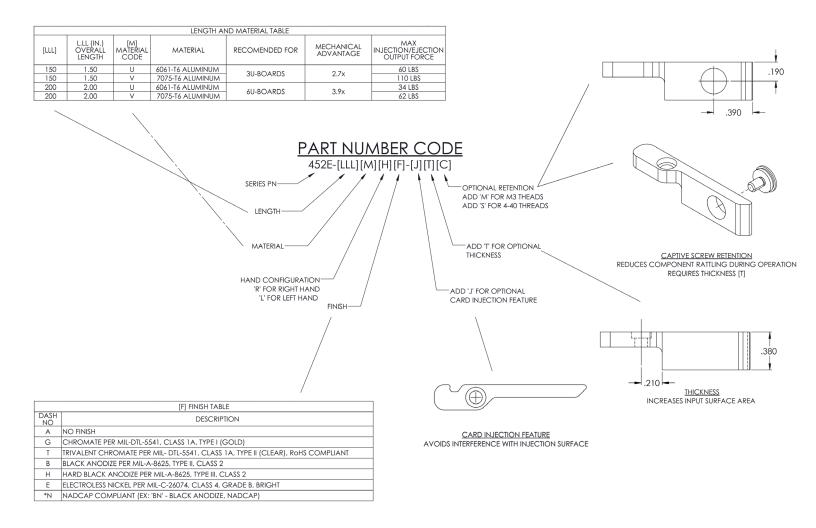
Wakefieldthermal.com

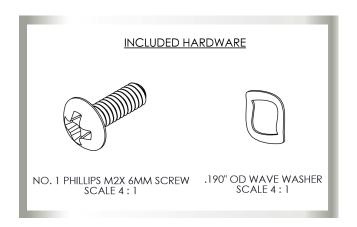




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DESIGN OPTIONS





CONTACT WAKEFIELD

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5 STEPTHERMAL ENGINEERING GUIDE From Concept To Cooling

COOLVATION provides thermal management engineering services to improve products' thermal performance while applying cost effective solutions to eliminate unnecessary manufacturing costs. COOLVATION is a seamless resource extension for our customers' thermal & mechanical engineering teams from ideation to lab testing.



Customer Thermal Challenge

Physical limitations Power constraints Air flow/ fluid conditions Environmental conditions Component specifications Define ideal state



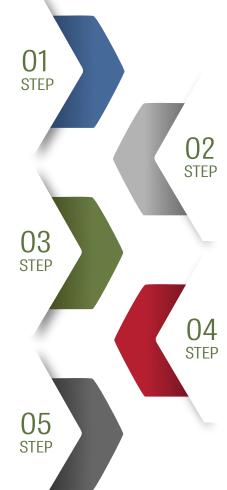
Execution

Concept analysis (CFD-ansys/ ice pack, fin optimizations software) Solid model Analysis & verification Cost analysis



Global Manufacturing

Global manufacturing facilities Global warehousing Global labs to support future program





Collaboration

Review conditions
Statement of work to customer
Historical consideration along
with cutting edge technologies to
provide cost effective solution



Solution & Verification

Dedicated new product development center Prototype Physical thermal lab testing Proven manufacturability









