

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

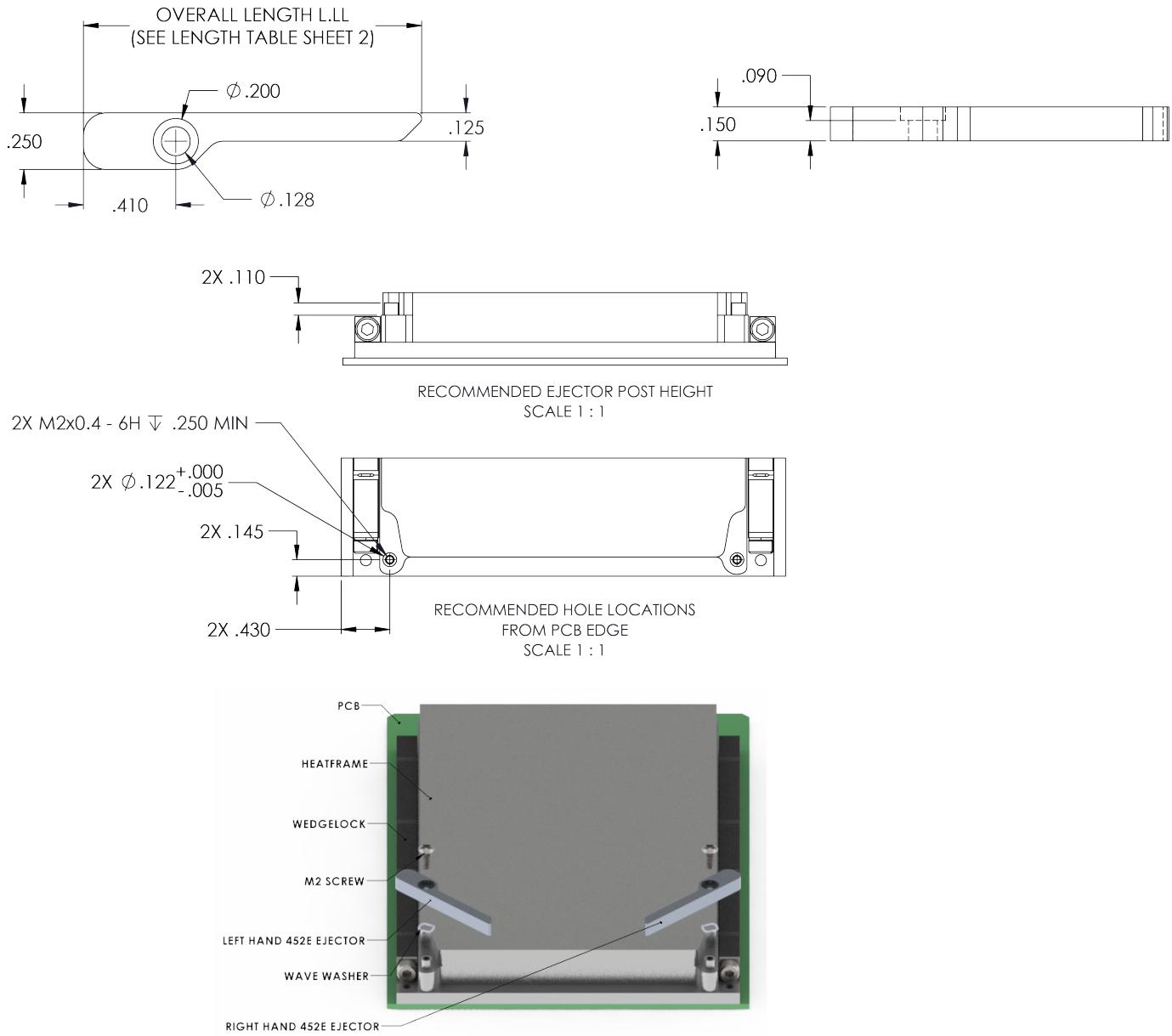
HARDWARE INCLUDED

- Extra-wide truss head no. 1 Philips screw, M2 x 6mm l, 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



NEED DESIGN ASSISTANCE?

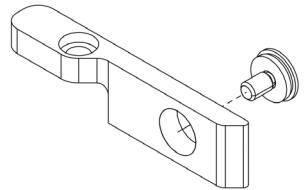
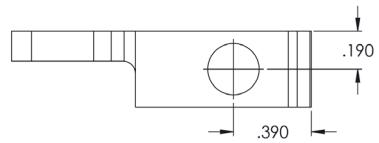
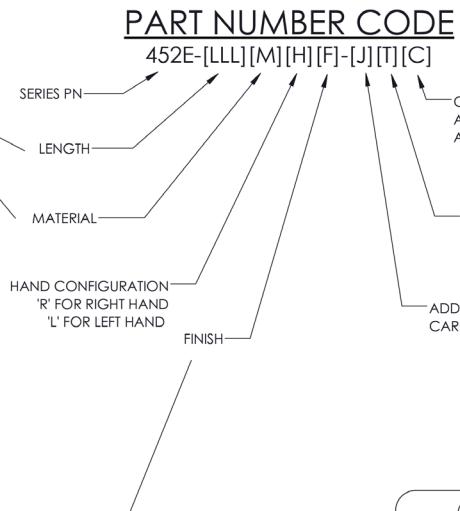
Wakefieldthermal.com

RIGHT HAND EJECTOR

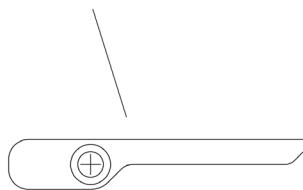
LEFT HAND EJECTOR

DESIGN OPTIONS

LENGTH AND MATERIAL TABLE						
[LLL]	LLL (IN.) OVERALL LENGTH	[M] MATERIAL CODE	MATERIAL	RECOMENDED FOR	MECHANICAL ADVANTAGE	MAX INJECTION/EJECTION OUTPUT FORCE
150	1.50	U	6061-T6 ALUMINUM	3U-BOARDS	2.7x	60 LBS
150	1.50	V	7075-T6 ALUMINUM			110 LBS
200	2.00	U	6061-T6 ALUMINUM	6U-BOARDS	3.9x	34 LBS
200	2.00	V	7075-T6 ALUMINUM			62 LBS



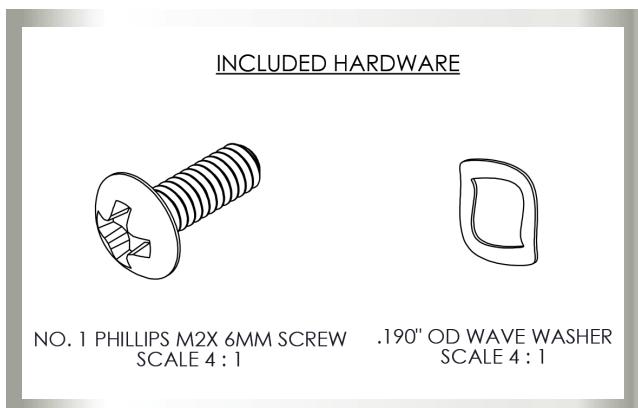
CAPTIVE SCREW RETENTION
REDUCES COMPONENT RATTLING DURING OPERATION
REQUIRES THICKNESS [T]



THICKNESS
INCREASES INPUT SURFACE AREA

[F] FINISH TABLE	
DASH NO	DESCRIPTION
A	NO FINISH
G	CHROMATE PER MIL-DTL-5541, CLASS 1A, TYPE I (GOLD)
T	TRIVALENT CHROMATE PER MIL-DTL-5541, CLASS 1A, TYPE II (CLEAR), RoHS COMPLIANT
B	BLACK ANODIZE PER MIL-A-8625, TYPE II, CLASS 2
H	HARD BLACK ANODIZE PER MIL-A-8625, TYPE III, CLASS 2
E	ELECTROLESS NICKEL PER MIL-C-26074, CLASS 4, GRADE B, BRIGHT
*N	NADCAP COMPLIANT (EX: 'BN' - BLACK ANODIZE, NADCAP)

CARD INJECTION FEATURE
AVOIDS INTERFERENCE WITH INJECTION SURFACE



NO. 1 PHILLIPS M2X 6MM SCREW .190" OD WAVE WASHER
SCALE 4 : 1 SCALE 4 : 1

CONTACT WAKEFIELD

603.635.2800

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5 STEP THERMAL 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.

