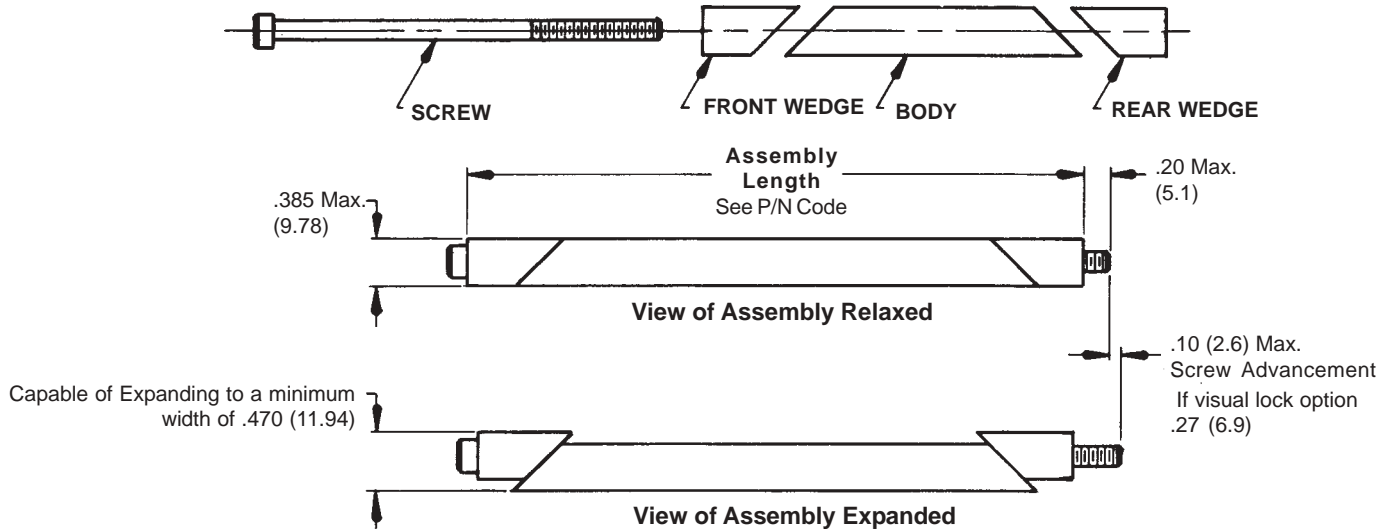
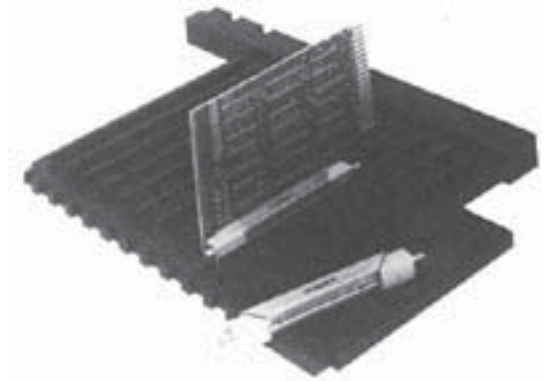


Calmark offers the Series 250 "Card-Lok" Retainer for cold plate - heat exchanger applications. A maximum efficiency heat sinking PC card retainer offered to provide greater clamping force and load capacity for PC cards of greater weight and mass.

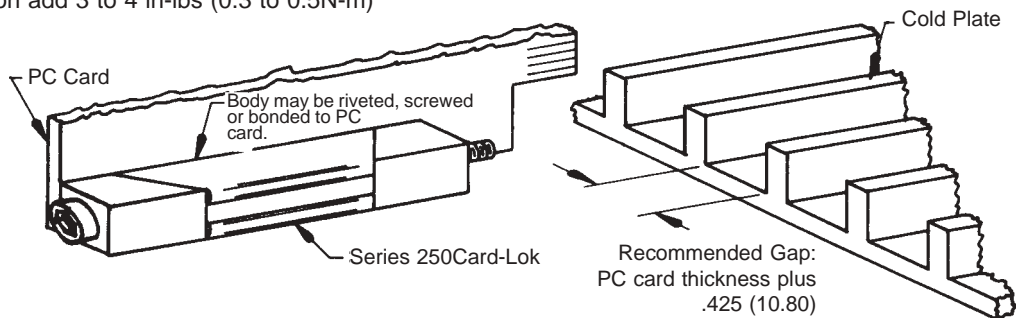
FEATURES:

- **Maximum Reliability**
Screw-actuated wedge action locks PC cards in place.
- **Maximum Thermal Transfer**
Wedge action design provides maximum contact between thermal paths on PC card and the heat sinking surface.
- **Maximum Resistance to Shock & Vibration**
Wedge action design locks PC card in place to provide maximum resistance to shock and vibration.
- **Zero Insertion & Extraction Forces**
Screw actuation provides zero insertion and extraction force on PC card.
- **Design Flexibility**
Special lengths, finishes or other design variations available on request.



APPLICATION DATA:

Recommended Torque - 20 in-lbs. (2.2 N-m)
If Lock Element option add 3 to 4 in-lbs (0.3 to 0.5N-m)



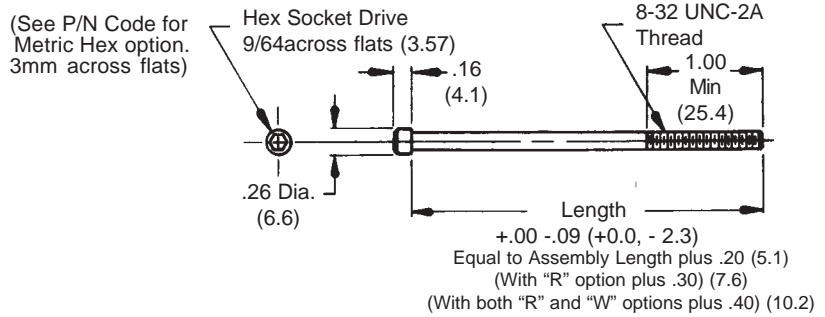
SCREW P/N 50869-Length

Material: Stainless Steel
QQ-S-763 or ASTM-A582

Finish: Passivate per MIL-S-5002

Weight: .092 oz./inch (1.03g/cm)

Tolerances: .xxx = +/- .010, .xx = +/- .02
(.xx = +/-0.25, .x = +/-0.5)



WEDGES

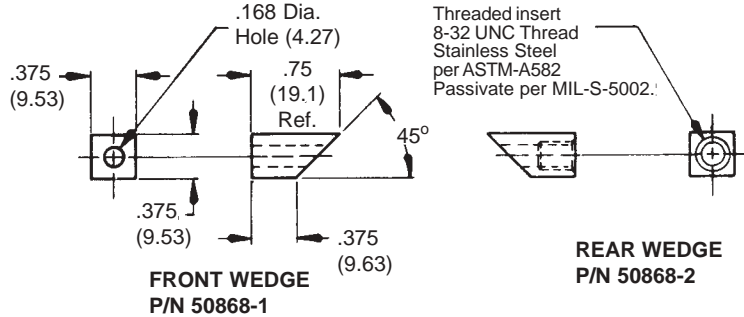
P/N 50868-1 and -2

Material: Aluminum Alloy
6061-T6, ASTM-B221

Finish: See Part No. Code

Weight: Front Wedge: .107 oz. (3.04g)
Rear Wedge: .121 oz. (3.43g)

Tolerances: .xxx = +/- .010, .xx = +/- .02
(.xx = +/-0.25, .x = +/-0.5)



BODY

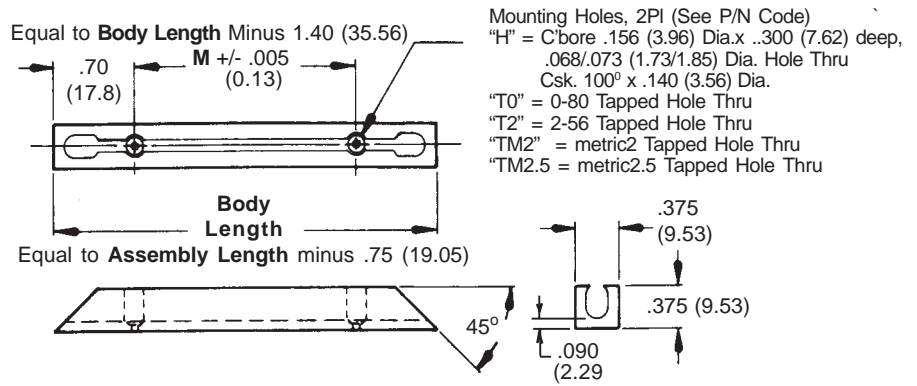
P/N 50867-Length-Mounting Hole Style

Material: Aluminum Alloy
6061-T6, ASTM-B221

Finish: See Part No. Code

Weight: .198 oz./inch

Tolerances: .xxx = +/- .010, .xx = +/- .02
(.xx = +/-0.25, .x = +/-0.5)



OPTIONAL DETAILS:

Detail "L" (Suffix)

Provides prevailing torque for resistance to loosening from shock vibration.



Lock element per MIL-F-18240 applied to thread of screw

Detail "V" (Prefix)

Provides visual lock indicator.



UNLOCKED

LOCKED

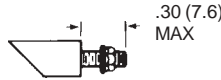


Red band on head of screw exposed

Red band concealed inside cap

Detail "R" (Suffix)

Prevents unintentional disassembly of screw from rear wedge. Uses and MS 21042-08 Locknut. (For CRES uses MS21043-08)



Detail "W" (Prefix)

Provides added resistance to loosening from shock and vibration. Uses an MS35338-137 Lockwasher and an NAS620C8 Flatwasher.



PART NO. CODE

