

Series 281 Card-Lok

Meets **VITA 48.2**
In alignment with the
SOSA® Technical Standard



RECOMMENDED GAP WIDTH

PCB + 10.8 mm (.425 in)

RECOMMENDED TORQUE

227 N-cm (20 in-lbs)

With "L" option 277 N-cm (24 in-lbs)

WEIGHT

2.18 g/cm (.195 oz/in)

MATERIALS AND FINISH

Bodies and Wedges

- **Material:** Aluminum Alloy 6061-T6 per ASTM-B221 or AMS-QQ-A-200/8
- **Finish:** See finish table on opposite page

Shaft

- **Material:** Aluminum alloy 7075-T6 per ASTM-B221 or AMS-QQ-A-200/11
- **Finish:** See finish table on opposite page

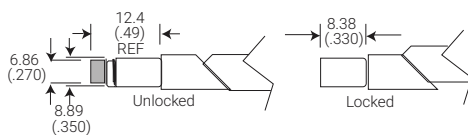
Screw, Lock and Flat Washer

.109 in or 3.0 mm hex. socket head cap screw, depending on mounting configuration

- **Material:** 300 series stainless steel
- **Finish:** Passivated per AMS2700

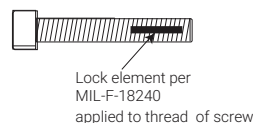
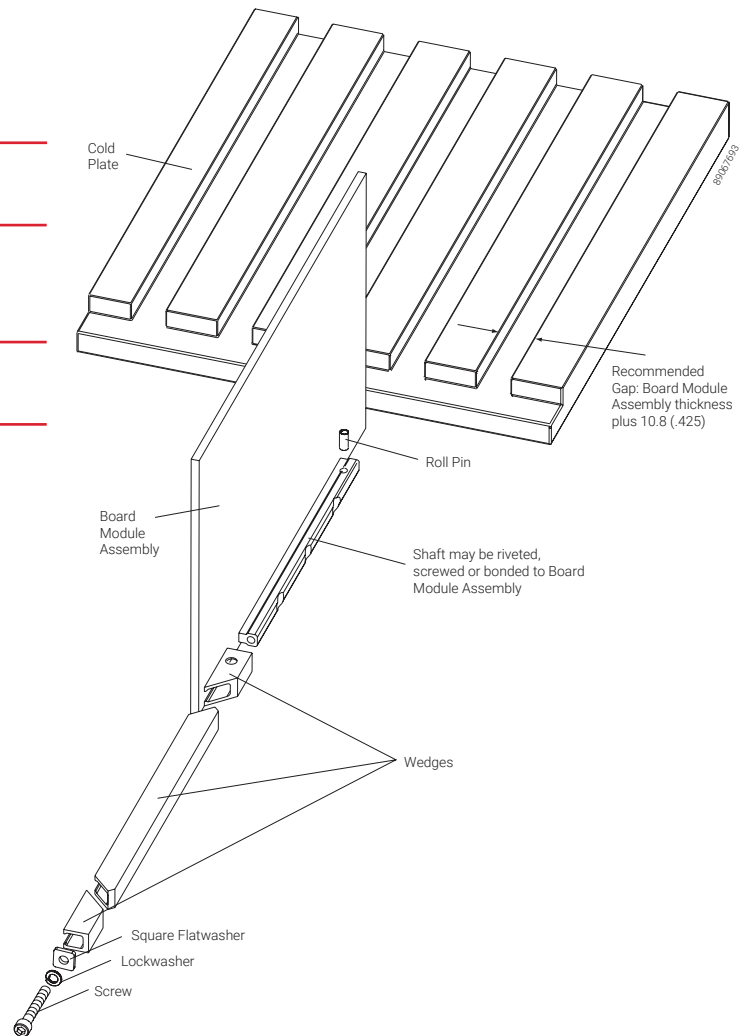
Roll Pin

- **Material:** 400 series stainless steel
- **Finish:** Passivated per AMS2700



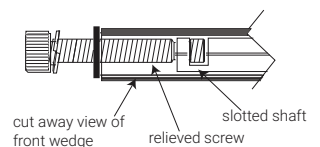
Detail "V"

Provides visual lock indication



Detail "L"

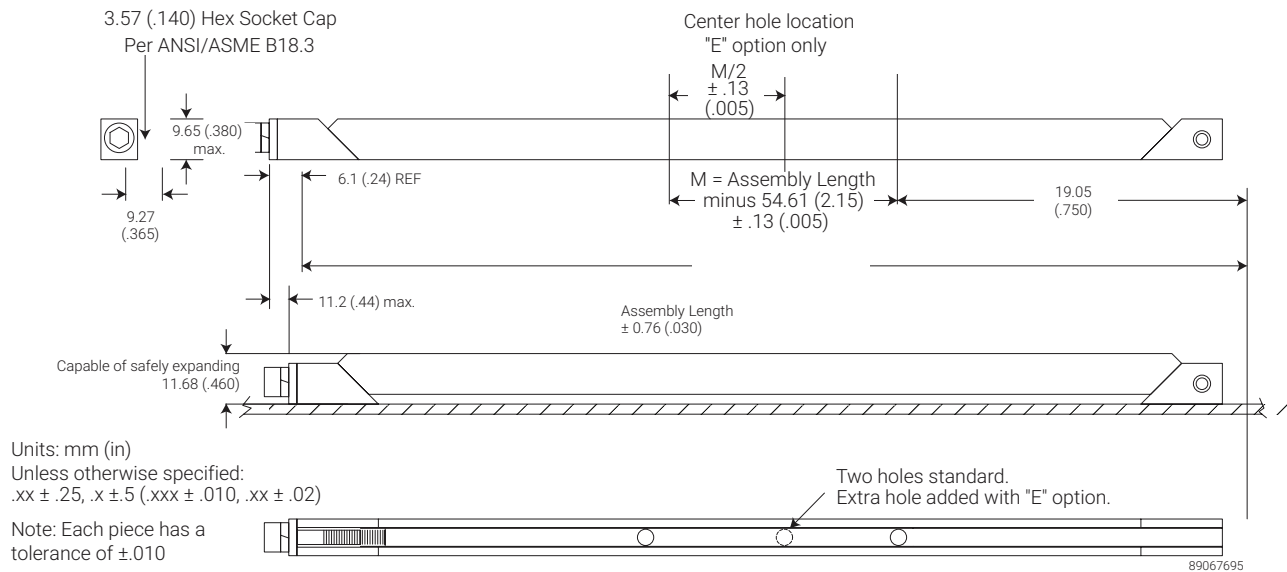
Provides prevailing torque for resistance to loosening from shock and vibration. Adds 50 N-cm (4 in-lbs) torque to assembly. See application data on previous sheet



Detail "K"

Prevents the unintentional disassembly of screw from shaft

SERIES 281 CARD-LOK



Part Number Code

Series 281 Card-Lok Three Piece

Prefix options

Metric Screw Head 3 mm Hex Drive

Standard Screw Head 9/64 Hex Drive

Visual Indicator

No Visual Indicator

Black Anodize

or choose from Finish Table

Suffix options

Assembly length in inches. Standard lengths range from 71.12 mm (2.80") to 325 mm (12.80"), 12.7 mm (0.5")

Other lengths available upon request.

Additional Center Mounting Hole

None

Mounting Options - holes for rivet mounting

or choose from Mounting Option Table

Lock Element

None

Captive Screw

None

M

V

A

281

-

3.80

E

H

L

K

Part Number Code Example:
281-2.80H
Series 281 Card-Lok three piece 71.12 (2.80) long with chemical film finish and standard rivet mounting hole

Code Letter	Finish
[blank]	CHEM FILM PER MIL-DTL-5541 CLASS 3, GOLD
"R"	CHEM FILM PER MIL-DTL-5541 CLASS 3, TYPE II, CLEAR
"A"	BLACK ANODIZE PER MIL-A-8625 TYPE II, CLASS 2
"HA"	HARD BLACK ANODIZE PER MIL-A-8625 TYPE III, CLASS 2 ELECTROLESS
"EN"	NICKEL PER MIL-C-26074 CLASS 4, GRADE B, BRIGHT

Code Letter	Method
"H"	\varnothing 3.40/3.53 (.134/.139) DIA. THROUGH HOLES COUNTERSINK 60° x 3.81 (.150) DEEP
"T4"	4-40 TAPPED HOLE
"TM3"	M3 x 0.50 TAPPED HOLE

nVent SCHROFF, Inc.
7328 Trade Street San Diego,
CA 92121 USA
+1 800-525-4682

CALMARK™

Our powerful portfolio of brands:

CADDY

ERICO

HOFFMAN

ILSCO

SCHROFF

TRACHTE