

Series 281 Card-Lok

CONNECT AND PROTECT



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-QQA-200/11
- **Finish:** See finish table on opposite page

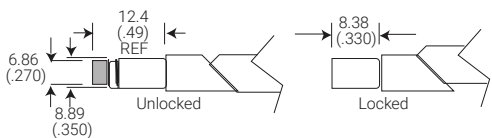
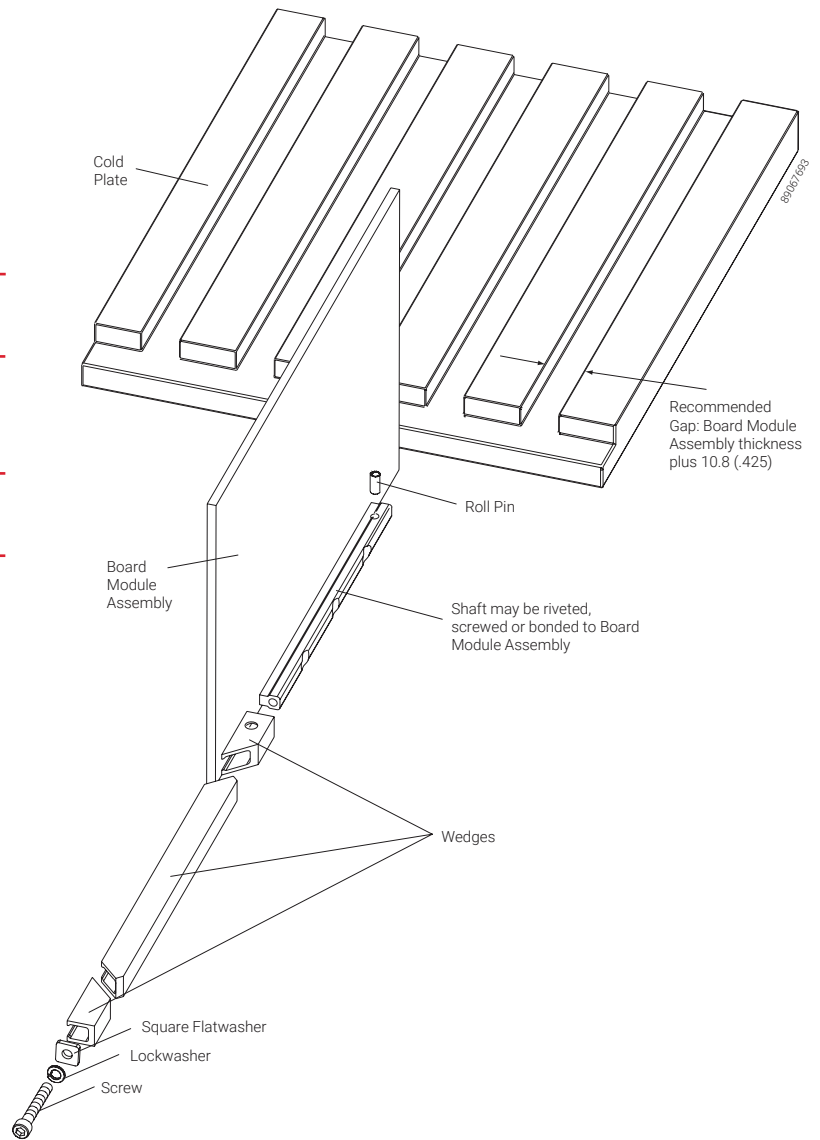
SCREW, LOCK AND FLAT WASHER

.09-in. or 2.5-mm hex. socket head cap screw, depending on mounting configuration

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

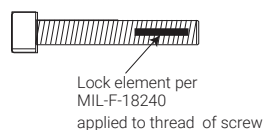
ROLL PIN

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



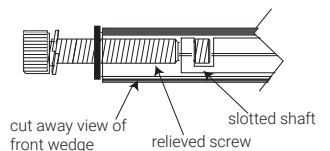
Detail "V"

Provides visual lock indication



Detail "L"

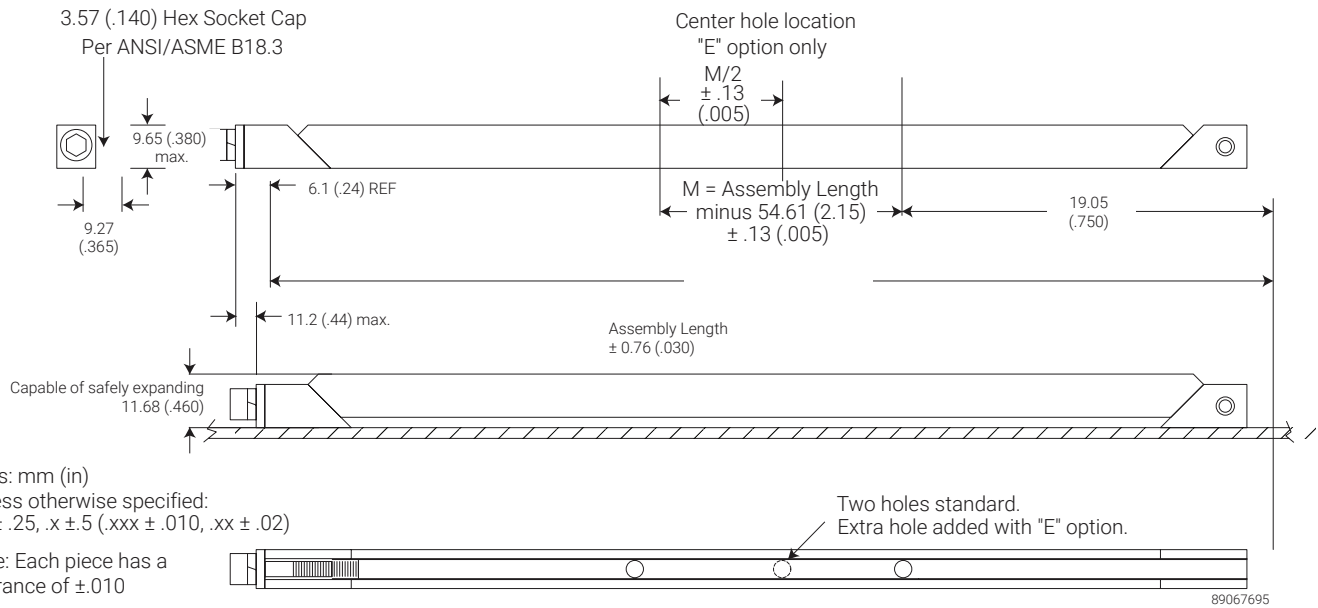
Provides prevailing torque for resistance to loosening from shock and vibration. Adds 50 N-cm (4 in-lbs) torque to assembly. See application data on previous sheet



Detail "K"

Prevents the unintentional disassembly of screw from shaft

SERIES 281 CARD-LOK



Units: mm (in)
 Unless otherwise specified:
 .xx ± .25, .x ± .5 (.xxx ± .010, .xx ± .02)
 Note: Each piece has a tolerance of ±.010

Part Number Code	
Series 281 Card-Lok Three Piece	
Prefix options	M V A 281 - 3.80 E H L K
Metric Screw Head M3 Hex Drive	M
Standard Screw Head 9/64 Hex Drive	[blank]
Visual Indicator	V
No Visual Indicator	[blank]
Black Anodize	A
or choose from Finish Table	see table
Suffix options	
Assembly length in inches. Standard lengths range from 71.12 (2.80), 96.52 (3.80) and 121.9 (4.80) length.xx	
Other lengths available upon request.	
Additional Center Mounting Hole	E
None	[blank]
Mounting Options - holes for rivet mounting	H
or choose from Mounting Option Table	see table
Lock Element	L
None	[blank]
Captive Screw	K
None	[blank]

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

FINISH TABLE

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

MOUNTING METHOD TABLE

CODE LETTER	METHOD
"H"	Ø3.40/3.53 (.134/.139) DIA. THROUGH HOLES COUNTERSINK 60° X 3.81 (.150) DEEP
"T4"	4-40 TAPPED HOLE
"TM3"	M3 X 0.50 TAPPED HOLE

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