



**SERIES 280 CARD LOK**

**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:** Alluminum alloy 7075-T6 per ASTM-B221 or AMS-QQ-A-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

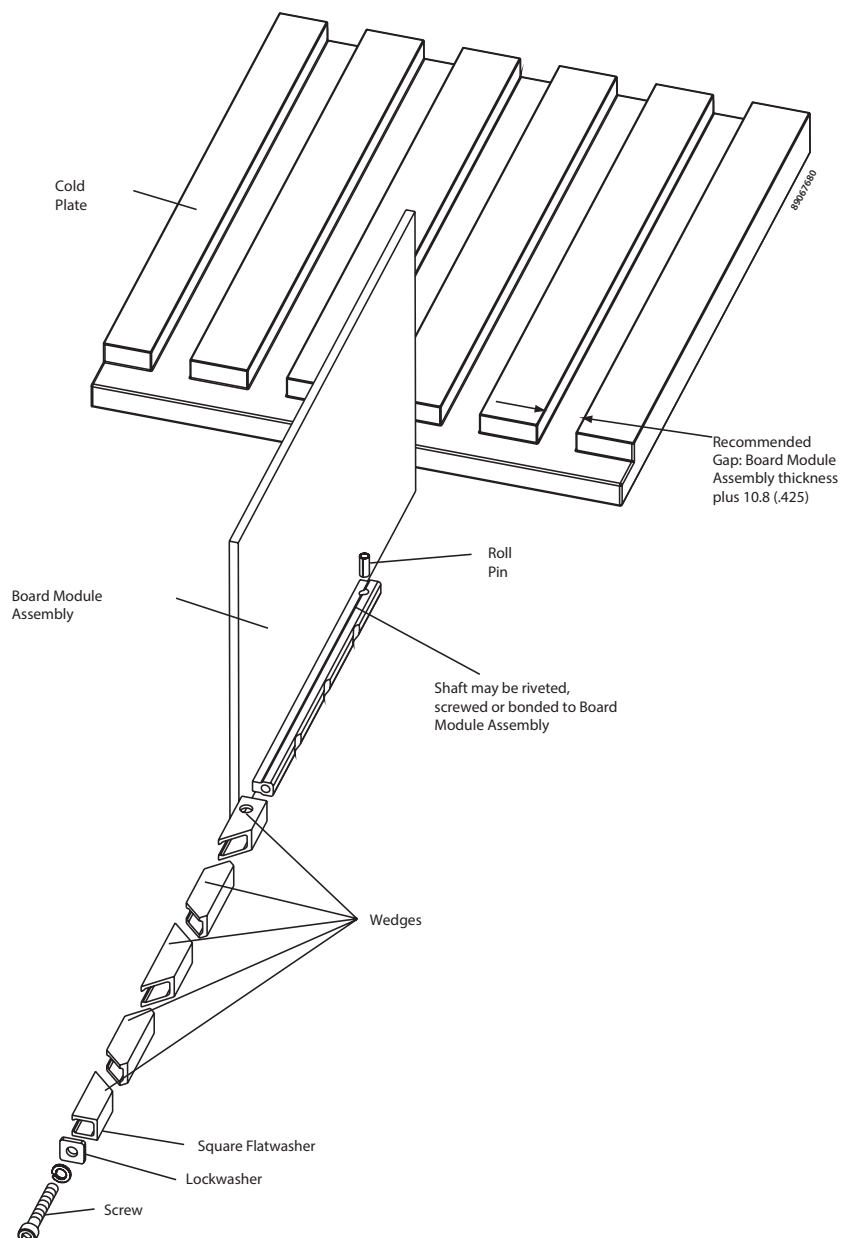
**Material:** 300 series stainless steel

**Finish:** Passivated per AMS2700

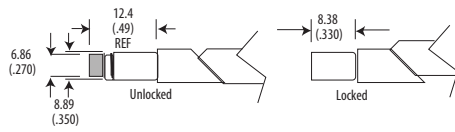
**ROLLPIN**

**Material:** 400 series stainless steel

**Finish:** Passivated per AMS2700

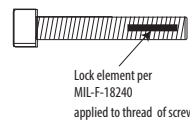


# SERIES 280 CARD LOK



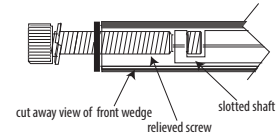
**Detail "V"**

Provides visual lock indication



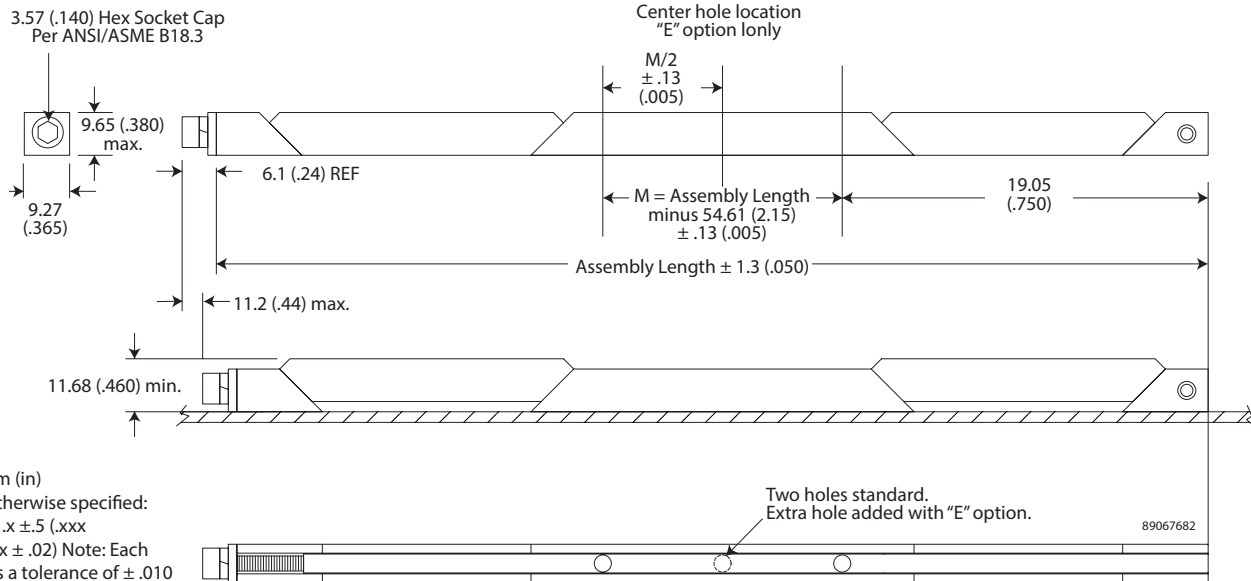
**Detail "L"**

Provides prevailing torque for resistance to loosening from shock and vibration.  
Adds 50 N-cm (4 in-lbs) torque to assembly.



**Detail "K"**

Prevents the unintentional disassembly of screw from shaft.



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

M V A 280 - 3.30 E H L K

### Screw

Metric Screw Head M3 Hex Drive **M**  
Standard Screw Head 9/64 Hex Drive **[Blank]**

### Type

Torque Limiting version\* **TLC**  
Standard version with Visual Indicator **V**  
Standard version **[Blank]**

### Finish

BlackAnodized **A**  
Or choose from Finish Table

### Length

Length in 12.7 (.50) increments **83.82 [3.30]**  
to 325.12 [12.80]

### Mounting

Additional Center Mounting Hole **E**  
None **[Blank]**

Mounting Options - through mounting holes **H**  
Or choose from Mounting Method Table

### Lock Patch

Lock Patch **L**  
None **[Blank]**

Captive Screw **K**  
None **[Blank]**

Part Number Code example: A280-4.80HK

Series 280 Card-Lok five piece 121.9 (4.80) long with black anodize finish, standard rivet mounting hole, and captive screw option

## FINISH TABLE

CODE LETTER	SURFACE 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
EN	ELECTROLESS NICKEL PER MIL-C-26074 CLASS 4, GRADE B, BRIGHT

## MOUNTING METHOD TABLE

CODE LETTER	METHOD
"H"	Ø3.40/3.53 (.0134/.139) DIA. THROUGH HOLES COUNTERSINK 60° x 3.81 (.150) DEEP
"T4"	4-40 TAPPED HOLE
"TM3"	M3 x 0.50 TAPPED HOLE

\*NOTE: FOR THE TORQUE LIMITING "TLC" VERSION:  
THE MINIMUM LENGTH IS 109.22 (4.30)  
THE FRONT MOUNTING HOLE, NEAREST TO THE SCREW,  
WILL BE REPLACED WITH AN INDEXING PIN.  
VISUAL INDICATOR, LOCK PATCH OPTIONS NOT AVAILABLE.  
MUST CLICK 3+ TIMES FOR PROPER INSTALLATION



**SCHROFF**

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