

# Series 280 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

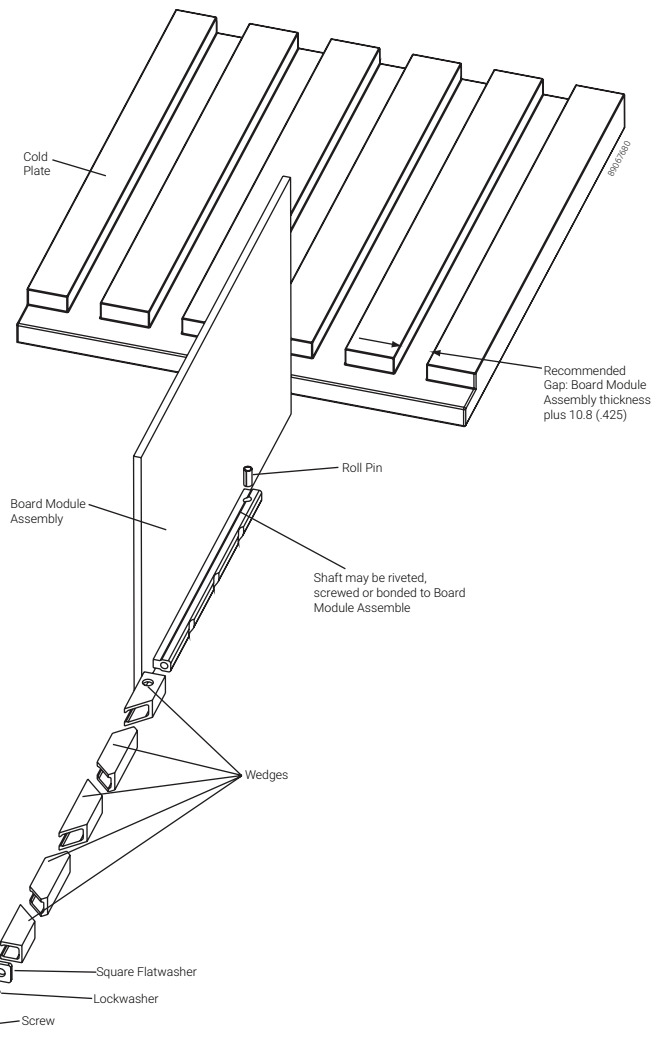
### Screw, Lock and Flat Washer

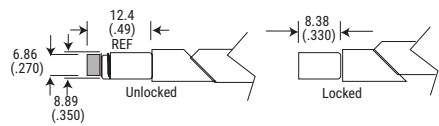
.109 in or 3.0 mm hex. socket head cap screw, depending on mounting configuration

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

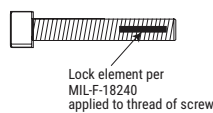
### Roll Pin

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

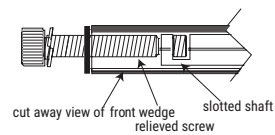




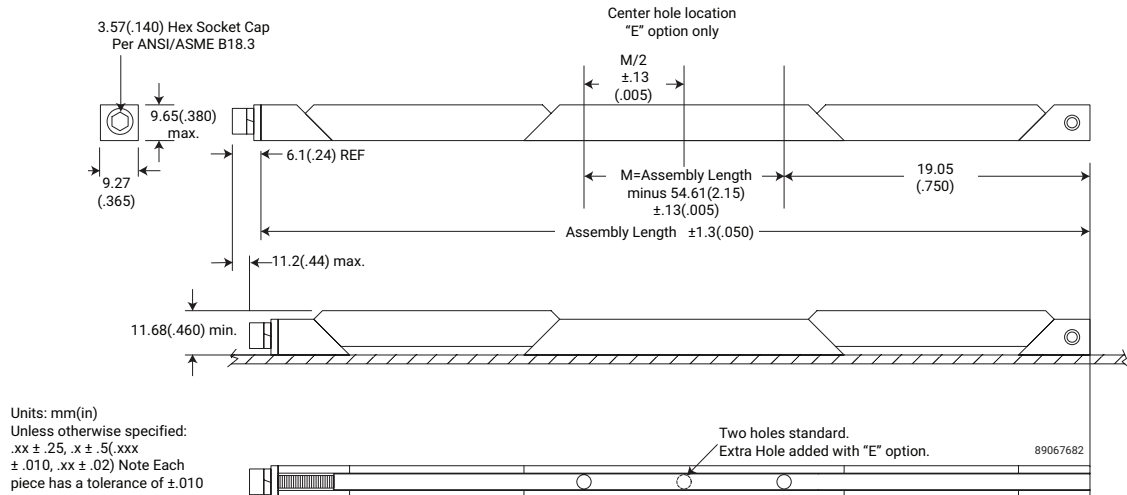
**Detail "V"**  
Provides visual lock indication.



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



**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
<b>Screw</b>										
Metric Screw Head 3 mm Hex Drive	M									
Standard Screw Head 9/64 Hex Drive	[Blank]									
<b>Type</b>										
Torque Limiting version*	TLC									
Standard version with Visual Indicator	V									
Standard version	[Blank]									
<b>Finish</b>										
Black Anodized	A									
Or choose from Finish Table										
<b>Length</b>										
Length in 12.7 (.50) increments				83.82 [ 3.30]						
				to 325.12 [12.80]						
<b>Mounting</b>										
Additional Center Mounting Hole							E			
None							[Blank]			
Mounting Options – through mounting holes							H			
Or choose from Mounting Method Table										
<b>Lock Patch</b>										
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	
[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 III, CLASS 2
"HA"	HARD BLACK ANODIZE PER MIL-A-8625 TYPE III, CLASS 2
"EN"	ELECTROLESS NICKEL PER MIL-C-26075 CLASS 4, GRADE B, BRIGHT

**Mounting Method Table**

CODE	
"H"	ø 3.40/3.53(.0134/.139) DIA. THROUGH HOLES COUNTER-SINK 60° × 3.81 (.150) DEEP
"T4"	4-40 TAPPED HOLE
"TM3"	M3 × 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



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