



**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 ASTMB221 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

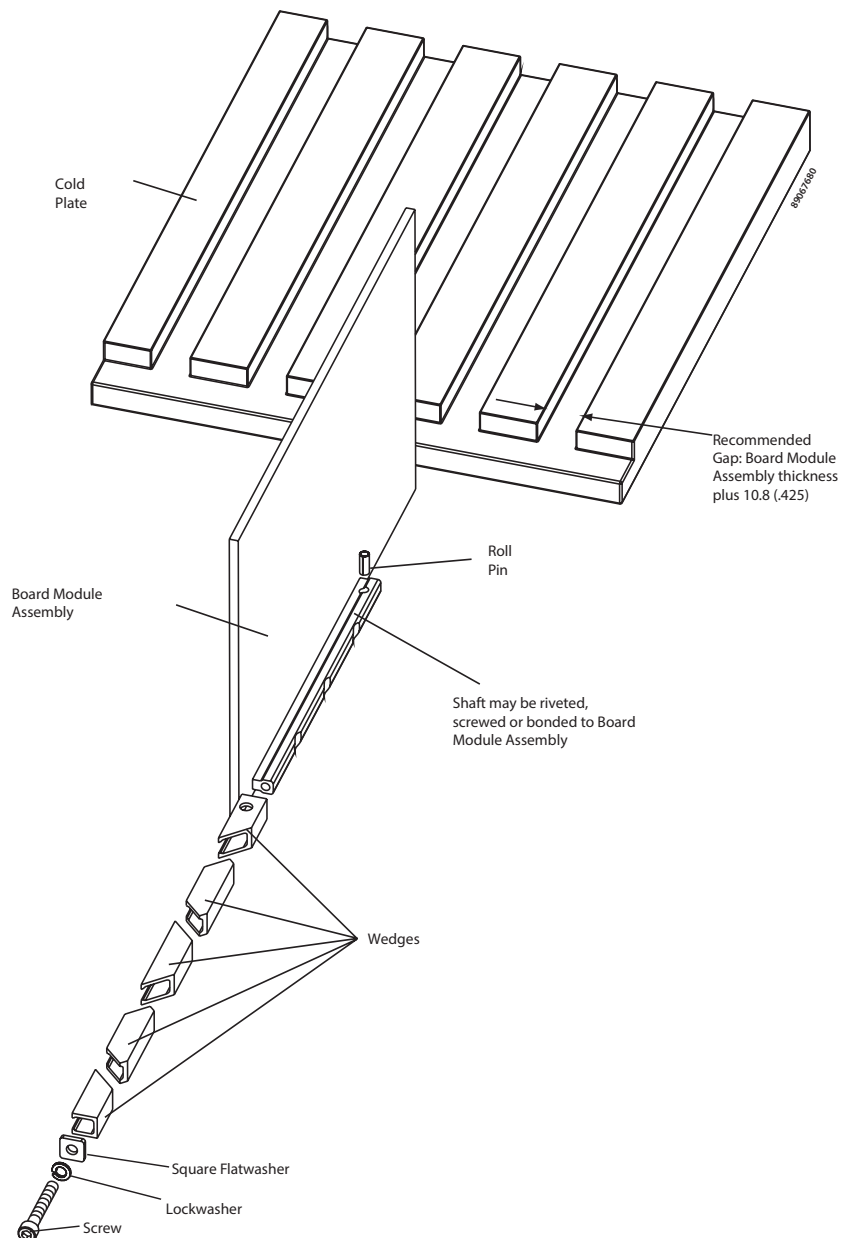
**Material:** 300 series stainless steel

**Finish:** Passivated per AMS2700

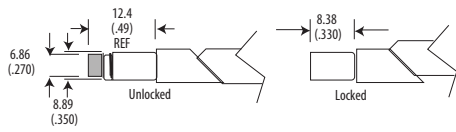
**ROLLPIN**

**Material:** 400 series stainless steel

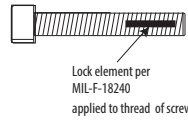
**Finish:** Passivated per AMS2700



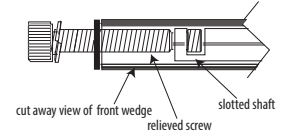
# SERIES 280 CARD LOK



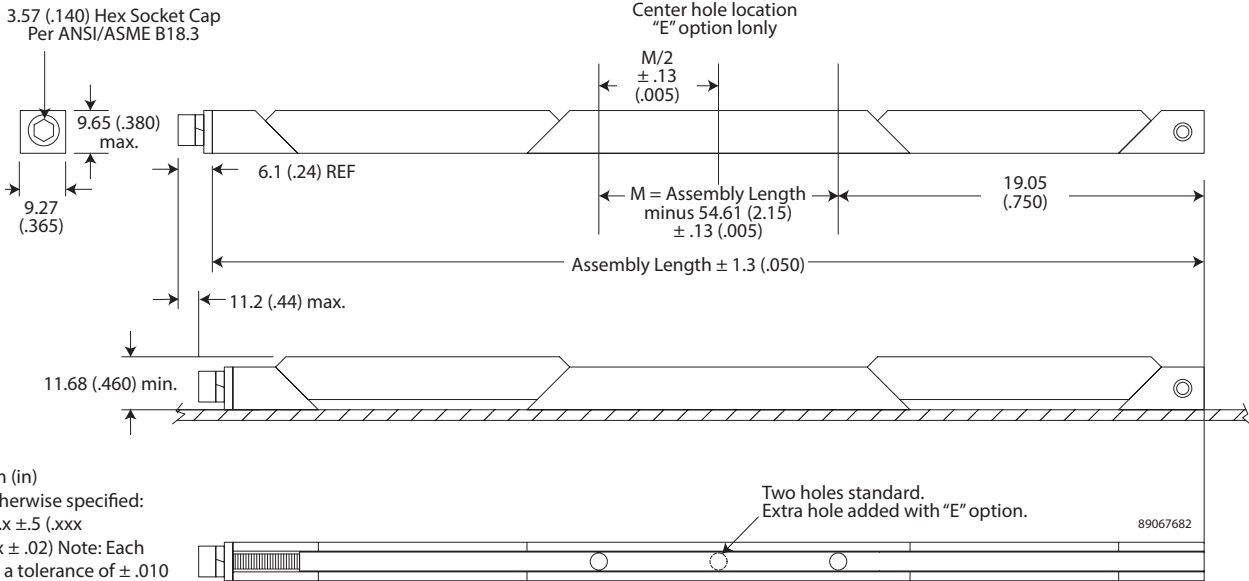
**Detail "V"**  
Provides visual lock indication



**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

89067682

Part Number Code	M	V	A	280	-	3.30	E	H	L	K
<b>Screw</b>										
Metric Screw Head M3 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>										
BlackAnodized _____			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 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**