



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 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

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

Material:

300 series stainless steel

Finish:

Passivated per AMS2700

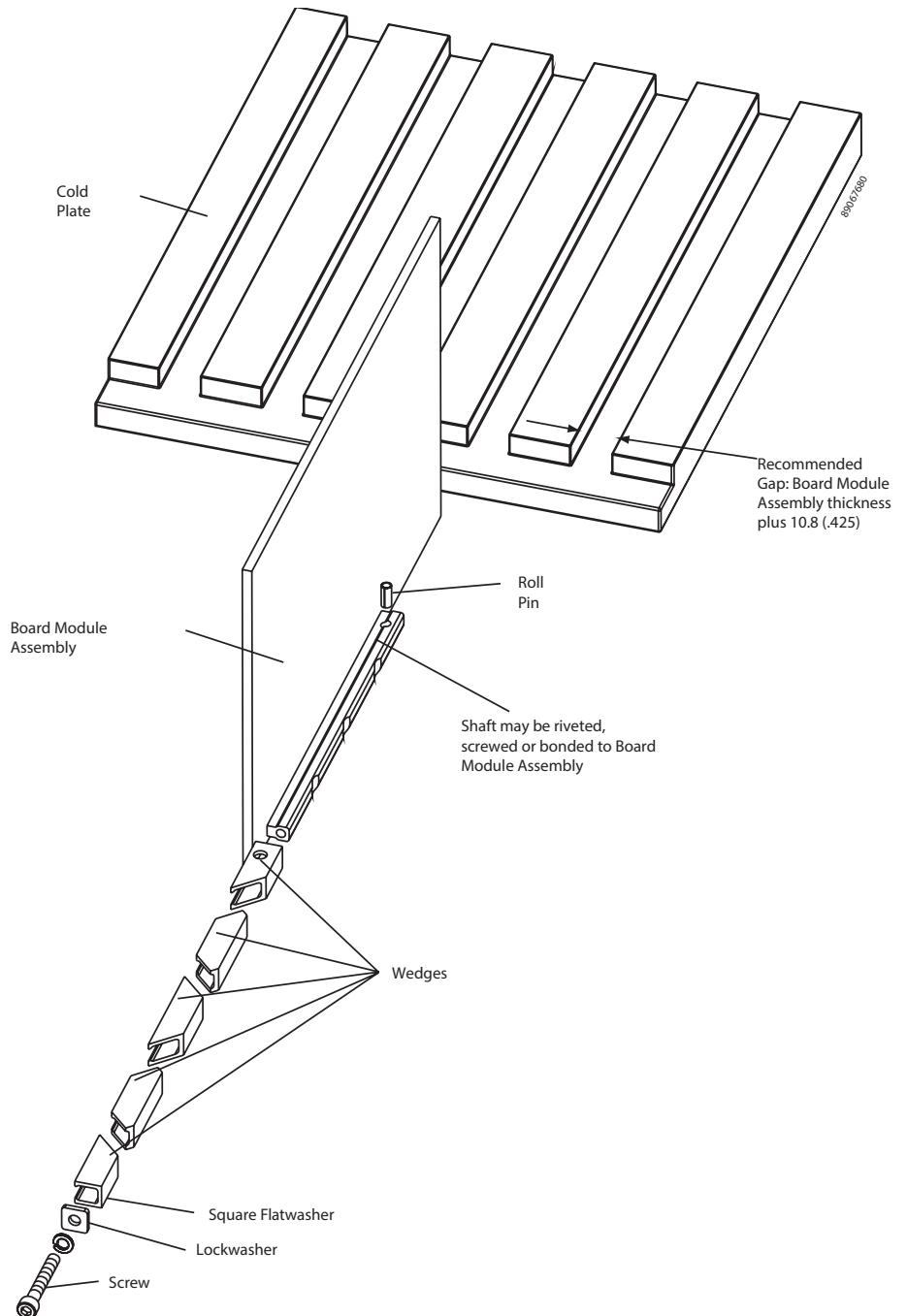
ROLL PIN

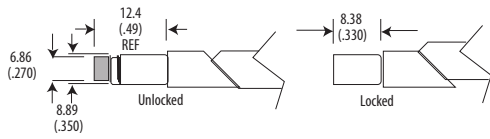
Material:

400 series stainless steel

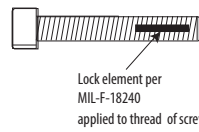
Finish:

Passivated per AMS2700

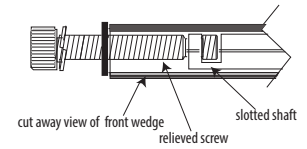




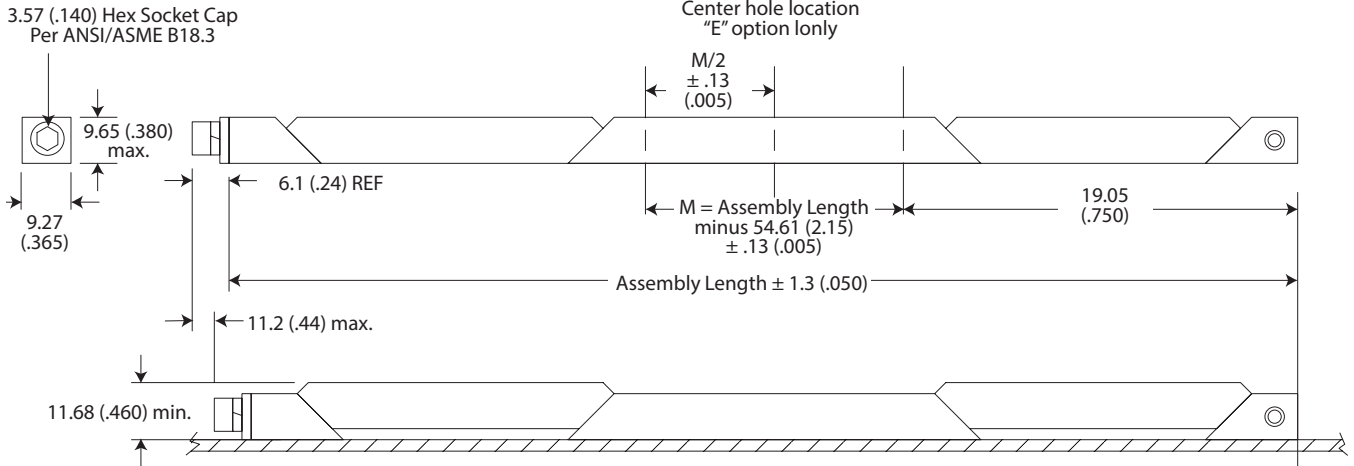
Detail "V"
Provides visual lock indication



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



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

Two holes standard.
Extra hole added with "E" option.

89067682

Part Number Code	M	V	A	280	-	3.30	E	H	L	K
Screw										
Metric Screw Head M2.5 Hex Drive _____	M									
Standard Screw Head 3/32 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.