



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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### RECOMMENDED GAP WIDTH

PCB + 7.62 (.300)

### RECOMMENDED TORQUE

68 N-cm (6 in-lbs)  
With "L" option 90 N-cm (8 in-lbs)

### WEIGHT

1.34 g/cm (.120 oz/in)

### MATERIALS AND FINISH

#### WEDGES

##### Material:

Aluminum Alloy 6061-T6  
per per ASTM-B221 or AMS-  
QQ-A-200/8

##### Finish:

See finish table on opposite  
page

#### SCREW

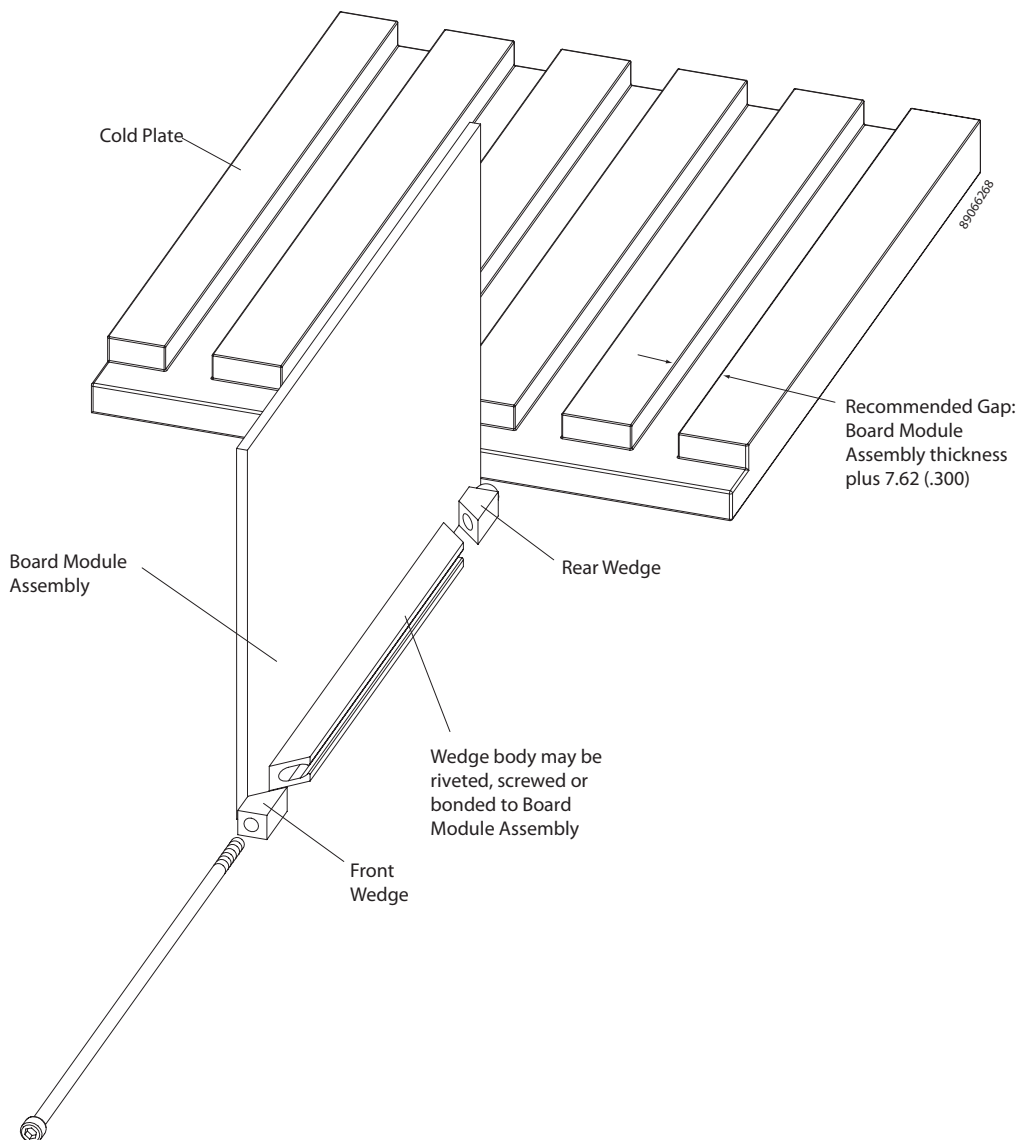
.09-in. or 2.5-mm hex. socket  
head cap screw, depending on  
mounting configuration

##### Material:

Stainless steel per ASTM-A582

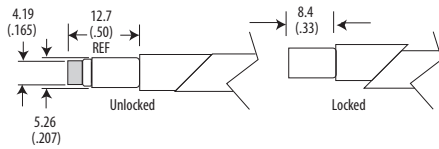
##### Finish:

Passivate per AMS2700



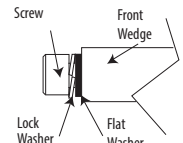
### Detail "V"

Provides visual lock indication.



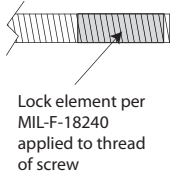
### Detail "W"

Provides added resistance to loosening from shock and vibration. This option adds 2.5 (.10) to the screw length unless combined with the "R" suffix option, then adds 5.1 (.20) total.



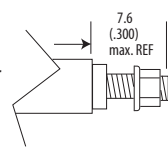
### Detail "L"

Provides prevailing torque for resistance to loosening from shock and vibration. Adds 22 N-cm (2 in-lbs) of torque to assembly. See application data on previous sheet.



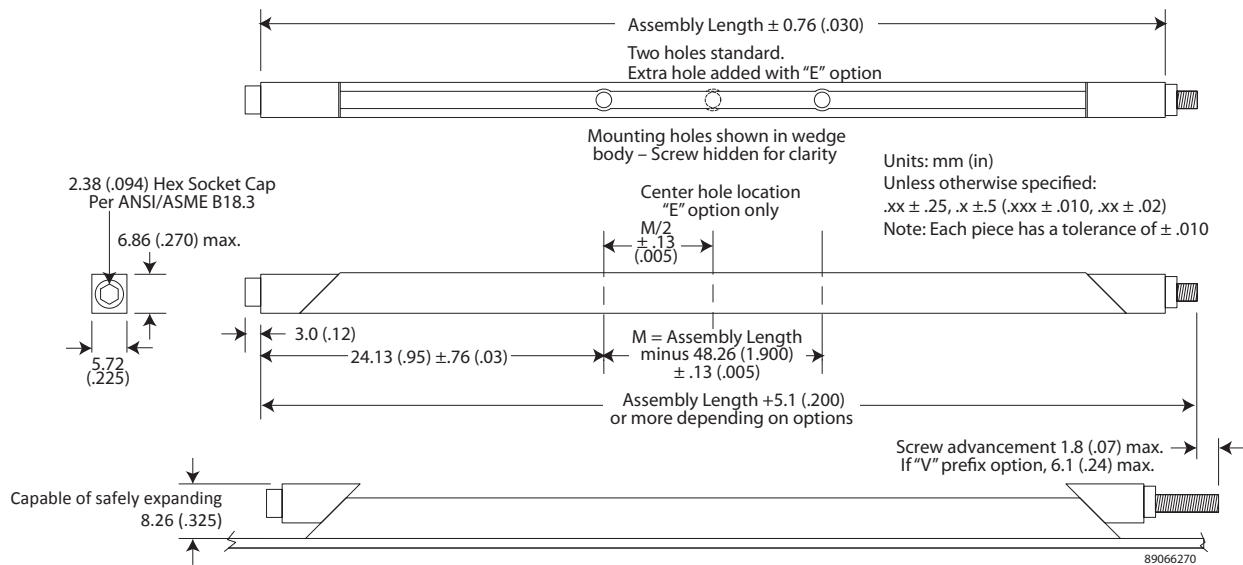
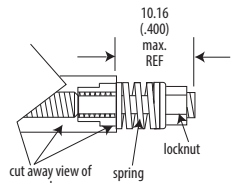
### Detail "R"

Reduces the possibility of unintentional disassembly of the screw from rear wedge. This option adds 2.5 (.10) to the screw length unless combined with the "W" suffix option, then 5.1 (.20) total.



### Detail "K"

Prevents the unintentional disassembly of screw from rear wedge. This option adds 5.1 (.20) to the screw length.



Part Number Code		Series 225 Card-Lok Three Piece	
M	W	V	A
225	-	3.80	E H L R
<b>Prefix options</b>			
Metric Screw Head M2.5 Hex Drive		<b>M</b>	
Standard Screw Head 3/32		[blank]	
Lock and Flat Washer		<b>W</b>	
None		[blank]	
Visual Indicator		<b>V</b>	
No Visual Indicator		[blank]	
Black Anodize		<b>A</b>	
or choose from Finish Table		see table	
<b>Suffix options</b>			
Stainless Steel Captive (and Lock Nut if "R" option is also selected)		<b>CR</b>	
Standard Plated Steel		..	
Assembly length in inches. Standard lengths are 71.12 (2.80), 96.52 (3.80) and 121.9 (4.80). Other lengths available upon request. <b>length.xx</b>			
Additional Center Mounting Hole		<b>E</b>	
None		[blank]	
Mounting Options - holes for rivet mounting or choose from Mounting Option Table		<b>H</b>	
Lock Element		<b>L</b>	
None		[blank]	
Lock Nut		<b>R</b>	
Captive Screw		<b>K</b>	
None		[blank]	

### Part Number Code Example:

VA225CR-4.80HR

Series 225 Card-Lok three piece 121.9 (4.80) long with Visual Indicator, Black Anodized Finish, standard rivet mounting hole and stainless steel captive nut and lock nut option

Code Letter	FINISH TABLE
[blank]	Chemical Film per Mil-DTL-5541 Class 1A, Type 1, Gold
"R"	Chemical 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

Code Letter	MOUNTING METHOD TABLE
[blank]	No mounting holes
"H"	Rivet Mounting Ø1.70 (.067) hole with 3.96 (.156) counterbore x 5.08 (.200) deep and 100° x 3.56 (.140) countersink
"T0"	0-80 tapped hole
"T2"	2-56 tapped hole
"TM2"	M2 x 0.40 tapped hole
"TM2.5"	M2.5 x 0.45 tapped hole