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

Recommended Gap: Board Module Assembly thickness plus 7.62 (.300)
### Series 225 Card Lok

**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 2.5 (.10) to the screw length unless combined with the “W” suffix option, then 5.1 (.20) total.

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**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

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### FINISH TABLE

<table>
<thead>
<tr>
<th>Code</th>
<th>Letter</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>[blank]</td>
<td>A</td>
<td>Chemical Film per Mil-DTL-5541 Class 1A, Type 1, Gold</td>
</tr>
<tr>
<td>&quot;R&quot;</td>
<td>HA</td>
<td>Black Anodize per Mil-A-8625 Type II, Class 2</td>
</tr>
<tr>
<td>&quot;HA&quot;</td>
<td>EN</td>
<td>Hard Black Anodize per Mil-A-8625 Type III, Class 2</td>
</tr>
<tr>
<td>&quot;EN&quot;</td>
<td></td>
<td>Electroless Nickel per Mil-C-26074 Class 4, Grade B, Bright</td>
</tr>
</tbody>
</table>

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### MOUNTING METHOD TABLE

<table>
<thead>
<tr>
<th>Code</th>
<th>Letter</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>[blank]</td>
<td></td>
<td>No mounting holes</td>
</tr>
<tr>
<td>&quot;H&quot;</td>
<td>T0</td>
<td>Rivet Mounting Ø1.70 (.067) hole with 3.96 (.156) counterbore x 5.08 (.200) deep and 100° x 3.56 (.140) countersink</td>
</tr>
<tr>
<td>&quot;T0&quot;</td>
<td>T2</td>
<td>0-80 tapped hole</td>
</tr>
<tr>
<td>&quot;TM2&quot;</td>
<td>TM2.5</td>
<td>M2 x 0.40 tapped hole</td>
</tr>
</tbody>
</table>

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### Diagram

- **Assembly Length ± 0.76 (.030)**
- **Two holes standard. Extra hole added with “E” option**
- **Mounting holes shown in wedge body – Screw hidden for clarity**
- **Center hole location “E” option only**
- **M = Assembly Length minus 48.26 (1.900) ± .13 (.005)**
- **Assembly Length +5.1 (.200) or more depending on options**
- **Screw advancement 1.8 (.07) max. If “V” prefix option, 6.1 (.24) max.**

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**Part Number Code**
Series 225 Card-Lok Three Piece

<table>
<thead>
<tr>
<th>Prefix options</th>
<th>Suffix options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric Screw Head M2.5 Hex Drive</td>
<td>Stainless Steel Captive (and Lock Nut if “R” option is also selected)</td>
</tr>
<tr>
<td>Standard Screw Head 3/32</td>
<td>Standard Plated Steel</td>
</tr>
<tr>
<td>Lock and Flat Washer</td>
<td></td>
</tr>
<tr>
<td>None</td>
<td>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.</td>
</tr>
<tr>
<td>[blank]</td>
<td></td>
</tr>
<tr>
<td>Visual Indicator</td>
<td></td>
</tr>
<tr>
<td>No Visual Indicator</td>
<td></td>
</tr>
<tr>
<td>Black Anodize</td>
<td></td>
</tr>
<tr>
<td>or choose from Finish Table</td>
<td>see table</td>
</tr>
</tbody>
</table>

- **Additional Center Mounting Hole**
  - None
- **Mounting Options - holes for rivet mounting**
  - None
- **Lock Element**
  - None
- **Lock Nut**
  - None
- **Captive Screw**
  - None

**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

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**Note:** Each piece has a tolerance of ± .010