This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-C-28754.

FIGURE 1. Dimensions and configurations.
### Notes:

1. Dimensions are in inches.
2. Metric equivalents are given for information.
3. A line passing through the centers of the "A" diameter hole and the "B" dimension slot establishes -X-.
4. Marking, this area in white characters, .06 inch high.
5. Corners may have radius provided dimensions of area shown by are maintained.
6. Unless otherwise specified, tolerances are ±.01 on two place decimals and ±2° on angles.

### Table

<table>
<thead>
<tr>
<th>Dash number</th>
<th>“A” Dia ± .0005</th>
<th>“B” Dim ± .0005</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>.1005</td>
<td>.1255</td>
<td>.018 + .002</td>
</tr>
<tr>
<td>02</td>
<td>.1005</td>
<td>.1005</td>
<td>.018 + .002</td>
</tr>
<tr>
<td>03</td>
<td>.1255</td>
<td>.1255</td>
<td>-.001</td>
</tr>
</tbody>
</table>

FIGURE 1. Dimensions and configurations – Continued.
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REQUIREMENTS:

Dimensions and configuration: See figure 1.

Material: The following materials may be used.

1. Laminated epoxy glass, GEB, in accordance with MIL-I-24768/3.
2. Diallyl phthalate, glass filled, in accordance with ASTM D5948, type SDG.
3. Phenylene-oxide resin, glass fiber reinforced, in accordance with WS6268 1/.
4. Glass reinforced polycarbonate resin, in accordance with WS6136 1/ with the following exceptions:
   a. The following requirements of NAVORD drawing WS6136 1/ shall be met or exceeded.

      | Glass content | Fatigue |
      |----------------|---------|
      | Specific gravity | Endurance limit |
      | Flexural strength | IZOD impact test |
      | Flexural modulus |

   b. The following requirements shall be less than or equal to those of NAVORD drawing WS6136:

      | Shrinkage | Coefficient of linear thermal expansion |
      | Moisture absorption | Deformation under load |

Marking: In accordance with MIL-C-28754.

Part or Identifying Number (PIN): M28754/20- (dash number from Figure 1).

First article testing: Perform the applicable tests as specified in MIL-C-28754 and the appendix thereto.

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the previous issue.

1/ (Copies of these drawings are available from NAVORD, Navair and Navsea Managed Original Design Activity Dwg Not Materials/Parts Supplier, 13333 Isaac Hull Ave SE, Washington, DC 20376.)
MIL-DTL-28754/20B

Referenced documents. In addition to MIL-C-28754, this document references the following:

MIL-I-24768/3
WS6136
WS6268
ASTM D5948

CONCLUDING MATERIAL

Custodians: Preparing activity:
Army – CR DLA - CC
Navy – AS
Air Force – 85 (Project 5935-2014-072)
DLA - CC

Review activities:
Army AR, MI
Navy – MC
Air Force – 99

NOTE: The activities above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at https://assist.dla.mil.