319-138
"Wide Mouth" Composite Swing-Arm Strain Relief
with Shield Sock and
Self-Locking Rotatable Coupling

CONNECTOR DESIGNATOR:
A MIL-DTL-5015, -26482 Series II, and -83723 Series I and III
F MIL-DTL-38999 Series I, for Series II See Note 3
H MIL-DTL-38999 Series III and IV

SELF-LOCKING
ROTATABLE COUPLING
LOW PROFILE

Product Series 319 - EMI/RFI Shield Sock Assemblies

Finish Symbol (See Table III)

Custom Braid Length
Specify In Inches
(Omit for Std. 12" Length)

Connector Designator
A, F, and H

Optional Braid Material
B - See Table IV for Options
(Omit for Std. Nickel/Copper)

Basic Part Number

Connector Shell Size
(See Table II)

Split Ring / Band Option
Split Ring (687-749) and Band
(600-052-1) supplied with R option
(Omit for none)

Anti-Rotation Device
EMI Shroud

12.00 Min Standard Shield Length

Standard Shield IAW 107-030 Ni/Cu
(See Table III for optional materials)

Self-Locking Hardware

.062 Min Screw Protrusion

.250 Max Screw Protrusion

Crimp Ring

Clamp Body, Arm, Coupling Nut and Saddles: Black Color

Cross Recessed Screw Head Same Side

L Between Body Ears

Detail B Finish XN

Termination Area Free of Cadmium

U.S. PATENT NO. 6419519

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### TABLE II: SHELL SIZE

| Shell Size | E ± .031 | F Min | G Max ± .06 | H ± .060 | J Max | L Max | K Diameter
<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>A, F H</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>A Code</td>
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<tr>
<td>08 09</td>
<td>.350 (8.9)</td>
<td>.350 (8.9)</td>
<td>1.045 (26.5)</td>
<td>.936 (23.8)</td>
<td>.94 (23.9)</td>
<td>.393 (10.0)</td>
<td>.265 (6.7)</td>
</tr>
<tr>
<td>10 11</td>
<td>.436 (11.1)</td>
<td>.455 (11.6)</td>
<td>1.045 (26.5)</td>
<td>1.172 (29.8)</td>
<td>.97 (24.6)</td>
<td>.455 (11.6)</td>
<td>.370 (9.4)</td>
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<tr>
<td>12 13</td>
<td>.636 (16.2)</td>
<td>.640 (16.3)</td>
<td>1.170 (29.7)</td>
<td>1.406 (35.7)</td>
<td>1.03 (26.2)</td>
<td>.598 (15.2)</td>
<td>.506 (12.9)</td>
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<tr>
<td>14 15</td>
<td>.706 (17.9)</td>
<td>.710 (18.0)</td>
<td>1.170 (29.7)</td>
<td>1.500 (38.1)</td>
<td>1.09 (27.7)</td>
<td>.710 (18.0)</td>
<td>.580 (14.7)</td>
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<td>16 17</td>
<td>.790 (20.1)</td>
<td>.835 (21.2)</td>
<td>1.295 (32.9)</td>
<td>1.562 (39.7)</td>
<td>1.12 (28.4)</td>
<td>.839 (21.3)</td>
<td>.705 (17.9)</td>
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<tr>
<td>18 19</td>
<td>.872 (22.1)</td>
<td>.922 (23.4)</td>
<td>1.295 (32.9)</td>
<td>1.687 (42.8)</td>
<td>1.15 (29.2)</td>
<td>.934 (23.7)</td>
<td>.784 (19.9)</td>
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<tr>
<td>20 21</td>
<td>.996 (25.3)</td>
<td>1.008 (25.6)</td>
<td>1.467 (39.5)</td>
<td>1.969 (50.0)</td>
<td>1.18 (30.0)</td>
<td>1.068 (27.1)</td>
<td>.909 (23.1)</td>
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<tr>
<td>22 23</td>
<td>1.060 (26.9)</td>
<td>1.197 (30.4)</td>
<td>1.467 (39.5)</td>
<td>2.094 (53.2)</td>
<td>1.25 (31.8)</td>
<td>1.197 (30.4)</td>
<td>1.034 (1.034)</td>
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<tr>
<td>24 25</td>
<td>1.123 (28.5)</td>
<td>1.323 (33.6)</td>
<td>1.461 (37.1)</td>
<td>2.281 (57.9)</td>
<td>1.28 (32.5)</td>
<td>1.323 (33.6)</td>
<td>1.149 (29.2)</td>
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### TABLE III: FINISH

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Finish</th>
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<tbody>
<tr>
<td>XB</td>
<td>Composite Material–No Plating, Color Black, Brass Interface Shroud and Adapter–Nickel Plated</td>
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<tr>
<td>XMT</td>
<td>2000 Hour Corrosion Resistant Ni-PTFE, Nickel-Fluorocarbon Polymer. 1000 Hour Grey&lt;sup&gt;TM&lt;/sup&gt;</td>
</tr>
<tr>
<td>XN</td>
<td>Composite Material–No Plating, Color Black and Brown, Brass Interface Shroud and Adapter–Selectively Cadmium Plated (See Detail B)</td>
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</table>

### TABLE IV: BRAID TYPE

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Braid Type</th>
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<tr>
<td>A</td>
<td>100% AmberStrand&lt;sup&gt;®&lt;/sup&gt;</td>
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<tr>
<td>B</td>
<td>75%/25% AmberStrand&lt;sup&gt;®&lt;/sup&gt; Blend</td>
</tr>
<tr>
<td>L</td>
<td>100% ArmorLite&lt;sup&gt;™&lt;/sup&gt;</td>
</tr>
<tr>
<td>Standard</td>
<td>Nickel/Copper 34awg</td>
</tr>
<tr>
<td>T</td>
<td>Tin/Copper 34awg</td>
</tr>
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</table>

### NOTES

1. See Table I in Intro for front-end dimensional details.
2. See composite thermoplastic shield sock assembly procedure for detailed installation instructions.
3. Add mod code -475 to end of part number for use with Series II connectors. Backshell to be supplied less shroud.
4. Coupling nut supplied unplated.