507-088
Composite RFI/EMI Banding Backshell
for MIL-DTL-83513 Micro-D Connectors

Cable Entry
(See Table IV)

Basic Part Number
Connector Shell Size
(See Table II)

Basic Part Number

507 T 088 XM 21 B 06 S K

Hardware Options
B - (2) Male Fillister Head
E - (2) Extender Jackscrew
H - (2) Male Hex Socket
F - (2) Female Jackpost

Qwik-Ty Option
(K - Micro Band Supplied
(Omit for none)

Cable Entry Style
T - Top
S - Side
E - End

Finish Symbol
(See Table III)

Finish Symbol

STYLE T - TOP ENTRY

STYLE E - 45° ENTRY

Jackscrew
Male Hex Socket
Hardware Option H
J Thread Typ.

Connector
Shown For Reference Only

STYLE S
SIDE ENTRY

Connect Cable Entry Style
T - Top
S - Side
E - End

Connect Cable Entry Style

Connect Finish Symbol

Connect Finish Symbol

Jackscrew
Male Fillister Head
Hardware Option B
J Thread Typ.

Qwik-Ty Option

.175
(4.4)

.175
(4.4)

.32 (8.1)

.32 (8.1)

507 T 088 XM 21 B 06 S K

Basic Part Number
Connector Shell Size
(See Table II)

Basic Part Number

N Typ.
M Typ.
K Typ.

N Typ.
M Typ.
K Typ.

K Typ.
(Table I)

K Typ.
(Table I)

.175
(4.4)

.175
(4.4)

.32 (8.1)

.32 (8.1)

Style S
Side Entry

Style S
Side Entry

Rev 22 November 2013
## TABLE II: CONNECTOR SHELL SIZE ORDER NUMBER

<table>
<thead>
<tr>
<th>SHELL SIZE</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>G</th>
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<tbody>
<tr>
<td>09</td>
<td>.775 (19.7)</td>
<td>.36 (9.1)</td>
<td>.565 (14.4)</td>
<td>.43 (10.9)</td>
<td>.650 (16.5)</td>
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<tr>
<td>15</td>
<td>.925 (23.5)</td>
<td>.36 (9.1)</td>
<td>.715 (18.2)</td>
<td>.44 (11.2)</td>
<td>.700 (17.8)</td>
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<tr>
<td>21</td>
<td>1.075 (27.3)</td>
<td>.36 (9.1)</td>
<td>.865 (22.0)</td>
<td>.56 (14.2)</td>
<td>.735 (18.7)</td>
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<td>25</td>
<td>1.175 (29.8)</td>
<td>.36 (9.1)</td>
<td>.965 (24.5)</td>
<td>.62 (15.7)</td>
<td>.800 (20.3)</td>
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<tr>
<td>31</td>
<td>1.325 (33.7)</td>
<td>.36 (9.1)</td>
<td>1.115 (28.3)</td>
<td>.68 (17.3)</td>
<td>.860 (21.8)</td>
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<td>37</td>
<td>1.475 (37.5)</td>
<td>.36 (9.1)</td>
<td>1.265 (32.1)</td>
<td>.72 (18.3)</td>
<td>.925 (23.5)</td>
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<tr>
<td>51</td>
<td>1.425 (36.2)</td>
<td>.40 (10.2)</td>
<td>1.215 (30.9)</td>
<td>.75 (19.1)</td>
<td>.975 (24.8)</td>
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<td>100</td>
<td>2.160 (54.9)</td>
<td>.45 (11.4)</td>
<td>1.800 (45.7)</td>
<td>.81 (20.6)</td>
<td>1.050 (26.7)</td>
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## TABLE III: FINISH

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Finish Description</th>
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<tbody>
<tr>
<td>XM</td>
<td>2000 Hour Corrosion Resistant Electroless Nickel</td>
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<tr>
<td>XMT</td>
<td>2000 Hour Corrosion Resistant Ni-PTFE, Nickel-Fluorocarbon Polymer. 1000 Hour Grey™</td>
</tr>
<tr>
<td>XW</td>
<td>2000 Hour Corrosion Resistant Cadmium/Olive Drab over Electroless Nickel</td>
</tr>
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## TABLE IV: CABLE ENTRY

<table>
<thead>
<tr>
<th>Entry Code</th>
<th>Shell Size</th>
<th>M Entry Dia</th>
<th>N Entry Dia</th>
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</thead>
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<tr>
<td>04</td>
<td>09 THRU 100</td>
<td>.125 (3.2)</td>
<td>.219 (5.6)</td>
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<tr>
<td>05</td>
<td>09 THRU 100</td>
<td>.156 (4.0)</td>
<td>.250 (6.4)</td>
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<tr>
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<td>09 THRU 100</td>
<td>.188 (4.8)</td>
<td>.281 (7.1)</td>
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<tr>
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<td>09 THRU 100</td>
<td>.219 (5.6)</td>
<td>.313 (8.0)</td>
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<tr>
<td>08</td>
<td>09 THRU 100</td>
<td>.250 (6.4)</td>
<td>.344 (8.7)</td>
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<tr>
<td>09</td>
<td>31 THRU 100</td>
<td>.281 (7.1)</td>
<td>.375 (9.5)</td>
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<tr>
<td>10</td>
<td>51 THRU 100</td>
<td>.312 (7.9)</td>
<td>.406 (10.3)</td>
</tr>
<tr>
<td>11</td>
<td>100 ONLY</td>
<td>.344 (8.7)</td>
<td>.438 (11.1)</td>
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<tr>
<td>12</td>
<td>100 ONLY</td>
<td>.375 (9.5)</td>
<td>.469 (11.9)</td>
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</table>

**APPLICATION NOTES**

1. Metric dimensions (mm) are in parentheses and are for reference only.
2. These composite backshells meet the requirements of SAE AIR 4567 and AS85049.
3. See Table I in Intro for front-end dimensional details.