

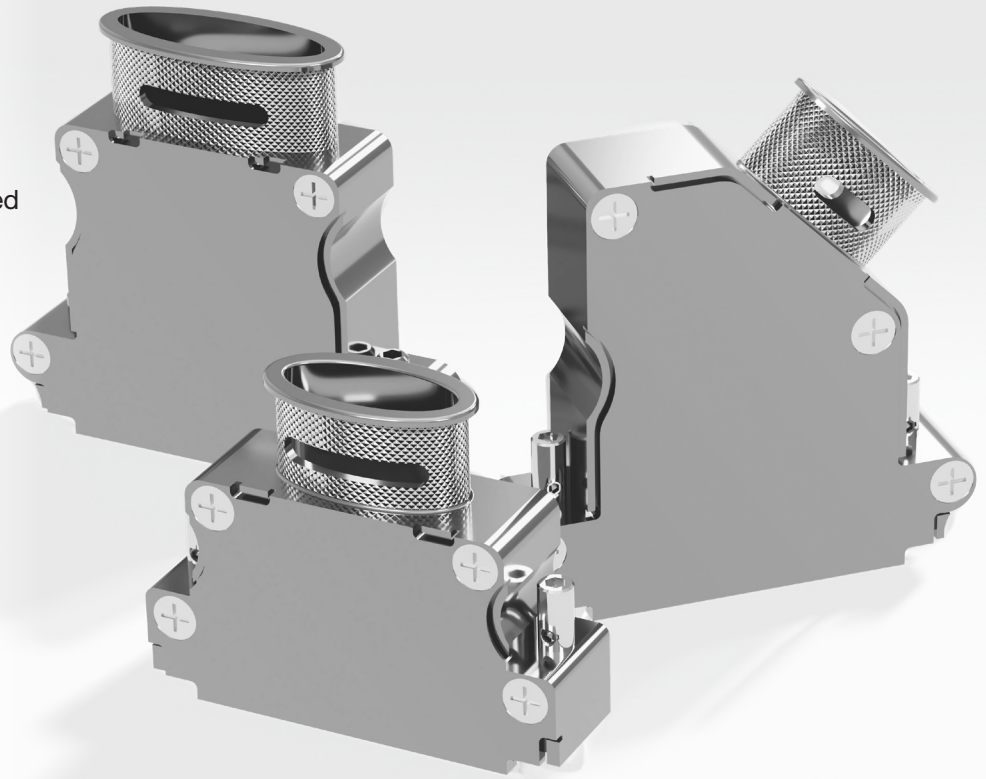
# PRECISION MACHINED BANDED BACKSHELLS

## LIGHTWEIGHT ALUMINUM

AP / AK / AW SERIES, FOR USE WITH D-SUB CONNECTORS

### FEATURES

- Available in shell sizes 1 through 6
- Banded elliptical entry, slotted, knurled
- Top and side entry
- Standard and low profile
- Jackscrews or quick disconnect locking system
- Spacious interior
- Re-openable, two-piece construction
- Metal backshell offers EMI protection
- Suitable for robust use
- Machined lightweight aluminum
- Customizable



### TECH SPECS

Performance Level Mil/Aero / Spaceflight / Industrial

RoHS Compliance Compliant

#### MATERIAL AND FINISHES

**Backshell and Cover** Aluminum; aluminum with electroless nickel plate; aluminum with yellow anodize; aluminum with chemical conversion coating. Zinc content is 1% maximum.

**Jackscrews & Screws** Steel with nickel plate; brass with zinc plate and chromate seal; brass, with 1.27µm min Au over Cu. Stainless steel options available, contact Technical Sales.

**Actuation Lock System** Steel with nickel plate

#### MECHANICAL

**Cable Entry** Top and side entry

**Locking System** Jackscrews or quick disconnect locking device.

#### ENVIRONMENTAL

**Operating Temperature** -55 to 125°C



**Positronic®**  
an Amphenol company

THE SCIENCE OF **CERTAINTY®**

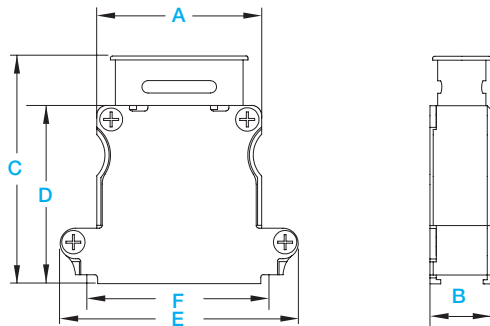
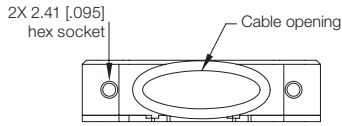
M037 24/03

## LIGHTWEIGHT ALUMINUM BACKSHELLS

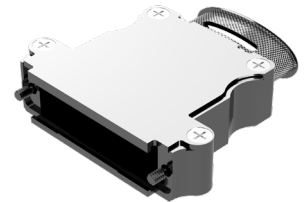
For the sake of brevity, only basic dimensions are shown here. Full dimensional detail is available in the respective product drawings.

### AP

Backshell, banded, aluminum, standard profile, top entry<sup>\*1</sup>



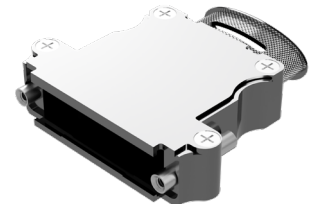
For use with code E, E6 or E7



AP backshell shown with E option



AP backshell shown with E6 option



AP backshell shown with E7 option

Dimensions are in millimeters [inches]

| PART NUMBER                                                                                                                           | Connector / Contact Arrangement Compatibility |                                                                        | Shell Size | A                | B               | C                | D                | E                | F                | Cable Entry <sup>*3</sup>       | Total Mass <sup>*4</sup> |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------|------------|------------------|-----------------|------------------|------------------|------------------|------------------|---------------------------------|--------------------------|
| D9000APN <sup>*1</sup> E0 <sup>*2</sup><br>D9000APN <sup>*1</sup> E60 <sup>*2</sup><br>D9000APN <sup>*1</sup> E70 <sup>*2</sup>       | Std-D: 9<br>High-D: 15                        | Combo-D: 5W1, 2WK2<br>Combo-D High-D: 8W2                              | 1          | 23.06<br>[.908]  | 15.65<br>[.616] | 58.12<br>[2.288] | 45.47<br>[1.790] | 38.71<br>[1.524] | 24.99<br>[.984]  | 9.73 x 11.28<br>[.383 x .444]   | 25.50 grams              |
| D15000APN <sup>*1</sup> E0 <sup>*2</sup><br>D15000APN <sup>*1</sup> E60 <sup>*2</sup><br>D15000APN <sup>*1</sup> E70 <sup>*2</sup>    | Std-D: 15<br>High-D: 26                       | Combo-D: 3W3, 3WK3,<br>7W2, 11W1<br>Combo-D High-D: 19W1               | 2          | 31.39<br>[1.236] | 15.65<br>[.616] | 58.12<br>[2.288] | 45.47<br>[1.790] | 47.04<br>[1.852] | 33.32<br>[1.312] | 9.73 x 19.61<br>[.383 x .772]   | 30.19 grams              |
| D25000APN <sup>*1</sup> E0 <sup>*2</sup><br>D25000APN <sup>*1</sup> E60 <sup>*2</sup><br>D25000APN <sup>*1</sup> E70 <sup>*2</sup>    | Std-D: 25<br>High-D: 44                       | Combo-D: 5W5, 9W4, 13W3,<br>17W2, 21W1<br>Combo-D High-D: 15W4         | 3          | 42.06<br>[1.656] | 15.65<br>[.616] | 58.12<br>[2.288] | 45.47<br>[1.790] | 60.76<br>[2.392] | 47.04<br>[1.852] | 9.73 x 30.00<br>[.383 x 1.181]  | 35.95 grams              |
| D37000APN <sup>*1</sup> E0 <sup>*2</sup><br>D37000APN <sup>*1</sup> E60 <sup>*2</sup><br>D37000APN <sup>*1</sup> E70 <sup>*2</sup>    | Std-D: 37<br>High-D: 62                       | Combo-D: 8W8, 13W6, 17W5,<br>21WA4, 25W3, 27W2<br>Combo-D High-D: 45W2 | 4          | 58.52<br>[2.304] | 15.65<br>[.616] | 64.47<br>[2.538] | 51.82<br>[2.040] | 77.22<br>[3.040] | 63.50<br>[2.500] | 9.73 x 44.00<br>[.383 x 1.732]  | 49.26 grams              |
| D50000APN <sup>*1</sup> E0 <sup>*2</sup><br>D50000APN <sup>*1</sup> E60 <sup>*2</sup><br>D50000APN <sup>*1</sup> E70 <sup>*2</sup>    | Std-D: 50<br>High-D: 78                       | Combo-D: 24W7, 36W4,<br>43W2, 47W1<br>Combo-D High-D: n/a              | 5          | 56.13<br>[2.210] | 18.47<br>[.727] | 64.47<br>[2.538] | 51.82<br>[2.040] | 74.83<br>[2.946] | 61.11<br>[2.406] | 11.00 x 42.00<br>[.433 x 1.654] | 51.71 grams              |
| D104000APN <sup>*1</sup> E0 <sup>*2</sup><br>D104000APN <sup>*1</sup> E60 <sup>*2</sup><br>D104000APN <sup>*1</sup> E70 <sup>*2</sup> | Std-D: n/a<br>High-D: 104                     | Combo-D: 46W4<br>Combo-D High-D: n/a                                   | 6          | 58.52<br>[2.304] | 20.07<br>[.790] | 64.47<br>[2.538] | 51.82<br>[2.040] | 77.22<br>[3.040] | 63.50<br>[2.500] | 14.00 x 44.00<br>[.551 x 1.732] | 54.74 grams              |

<sup>\*1</sup> For additional 'Material & Finish Options', replace 'N' with desired 'Code' from Create A Part on page 8

<sup>\*2</sup> For 1.27µm min Au over Cu, replace the last '0' with 'G' in part number and \*1 note must remain as 'N' (e.g. D9000APNE6G)

<sup>\*3</sup> Custom cable entry is available. Contact Technical Sales for more information.

<sup>\*4</sup> Weight for 'E' configuration. Contact Technical Sales for 'E6' and 'E7'.

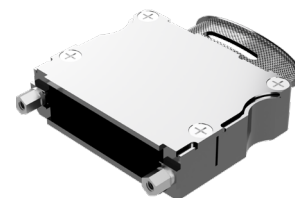
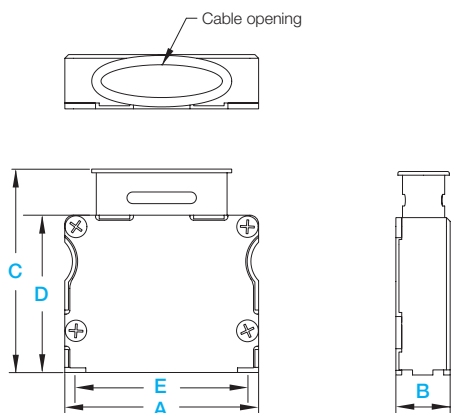
## LIGHTWEIGHT ALUMINUM BACKSHELLS

For the sake of brevity, only basic dimensions are shown here. Full dimensional detail is available in the respective product drawings.

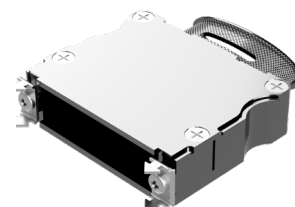
For use with code T2, VL or V3

### AP

Backshell, banded, aluminum, standard profile, top entry<sup>\*1</sup>



AP backshell shown with T2 option



AP backshell shown with V3 option



AP backshell shown with VL option

Dimensions are in millimeters [inches]

| PART NUMBER                                                                                                                         | Connector / Contact Arrangement Compatibility |                                                                        | Shell Size | A                | B               | C                | D                | E                | Cable Entry <sup>*3</sup>       | Total Mass                |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------|------------|------------------|-----------------|------------------|------------------|------------------|---------------------------------|---------------------------|
| D9000APN <sup>*1</sup> T20 <sup>*2</sup><br>D9000APN <sup>*1</sup> V30 <sup>*2</sup><br>D9000APN <sup>*1</sup> VL0 <sup>*2</sup>    | Std-D: 9<br>High-D: 15                        | Combo-D: 5W1, 2WK2<br>Combo-D High-D: 8W2                              | 1          | 30.96<br>[1.219] | 14.88<br>[.586] | 55.83<br>[2.198] | 43.18<br>[1.700] | 24.99<br>[.984]  | 9.00 x 11.28<br>[.354 x .444]   | 30.88 grams <sup>*4</sup> |
| D15000APN <sup>*1</sup> T20 <sup>*2</sup><br>D15000APN <sup>*1</sup> V30 <sup>*2</sup><br>D15000APN <sup>*1</sup> VL0 <sup>*2</sup> | Std-D: 15<br>High-D: 26                       | Combo-D: 3W3, 3WK3,<br>7W2, 11W1<br>Combo-D High-D: 19W1               | 2          | 39.29<br>[1.547] | 14.88<br>[.586] | 55.83<br>[2.198] | 43.18<br>[1.700] | 33.32<br>[1.312] | 9.00 x 19.61<br>[.354 x .772]   | 35.72 grams <sup>*4</sup> |
| D25000APN <sup>*1</sup> T20 <sup>*2</sup><br>D25000APN <sup>*1</sup> V30 <sup>*2</sup><br>D25000APN <sup>*1</sup> VL0 <sup>*2</sup> | Std-D: 25<br>High-D: 44                       | Combo-D: 5W5, 9W4, 13W3,<br>17W2, 21W1<br>Combo-D High-D: 15W4         | 3          | 53.19<br>[2.094] | 14.88<br>[.586] | 55.83<br>[2.198] | 43.18<br>[1.700] | 47.04<br>[1.852] | 9.00 x 33.32<br>[.354 x 1.312]  | 44.30 grams <sup>*4</sup> |
| D37000APN <sup>*1</sup> T20 <sup>*2</sup><br>D37000APN <sup>*1</sup> V30 <sup>*2</sup><br>D37000APN <sup>*1</sup> VL0 <sup>*2</sup> | Std-D: 37<br>High-D: 62                       | Combo-D: 8W8, 13W6, 17W5,<br>21WA4, 25W3, 27W2<br>Combo-D High-D: 45W2 | 4          | 69.49<br>[2.736] | 14.88<br>[.586] | 62.18<br>[2.448] | 49.53<br>[1.950] | 63.50<br>[2.500] | 9.00 x 49.78<br>[.354 x 1.960]  | 58.61 grams <sup>*4</sup> |
| D50000APN <sup>*1</sup> T20 <sup>*2</sup><br>D50000APN <sup>*1</sup> V30 <sup>*2</sup><br>D50000APN <sup>*1</sup> VL0 <sup>*2</sup> | Std-D: 50<br>High-D: 78                       | Combo-D: 24W7, 36W4,<br>43W2, 47W1<br>Combo-D High-D: n/a              | 5          | 67.11<br>[2.642] | 17.70<br>[.697] | 62.18<br>[2.448] | 49.53<br>[1.950] | 61.11<br>[2.406] | 11.00 x 47.40<br>[.433 x 1.866] | 61.74 grams <sup>*4</sup> |
| D104000APN <sup>*1</sup> T20 <sup>*2</sup>                                                                                          | Std-D: n/a<br>High-D: 104                     | Combo-D: 46W4<br>Combo-D High-D: n/a                                   | 6          | 69.49<br>[2.736] | 19.30<br>[.760] | 62.18<br>[2.448] | 49.53<br>[1.950] | 63.50<br>[2.500] | 13.00 x 49.00<br>[.512 x 1.929] | 57.71 grams               |

<sup>\*1</sup> For additional 'Material & Finish Options', replace 'N' with desired 'Code' from Create A Part on page 8

<sup>\*2</sup> For 1.27µm min Au over Cu, replace the last '0' with 'G' in part number and \*1 note must remain as 'N' (e.g. D9000APNT2G)

<sup>\*3</sup> Custom cable entry is available. Contact Technical Sales for more information.

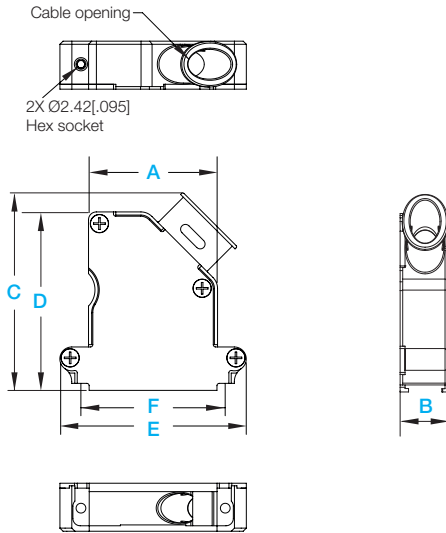
<sup>\*4</sup> Weight for 'VL' configuration. Contact Technical Sales for 'T2' and 'V3'.

# LIGHTWEIGHT ALUMINUM BACKSHELLS

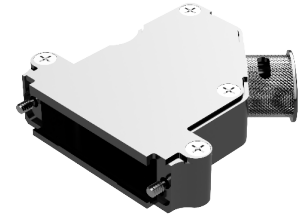
For the sake of brevity, only basic dimensions are shown here. Full dimensional detail is available in the respective product drawings.

## AK

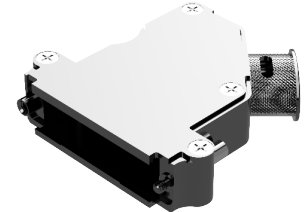
Backshell, banded, aluminum, standard profile, side entry<sup>\*1</sup>



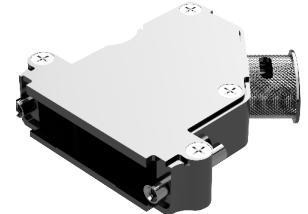
For use with code E, E6 or E7



AK backshell shown with E option



AK backshell shown with E6 option



AK backshell shown with E7 option

Dimensions are in millimeters [inches]

| PART NUMBER                                                                                                                           | Connector / Contact Arrangement Compatibility |                                                                        | Shell Size | A                | B               | C                | D                | E                | F                | Cable Entry <sup>*3</sup>       | Total Mass <sup>*4</sup> |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------|------------|------------------|-----------------|------------------|------------------|------------------|------------------|---------------------------------|--------------------------|
| D9000AKN <sup>*1</sup> E0 <sup>*2</sup><br>D9000AKN <sup>*1</sup> E60 <sup>*2</sup><br>D9000AKN <sup>*1</sup> E70 <sup>*2</sup>       | Std-D: 9<br>High-D: 15                        | Combo-D: 5W1, 2WK2<br>Combo-D High-D: 8W2                              | 1          | 20.01<br>[.788]  | 15.65<br>[.616] | 54.62<br>[2.150] | 50.30<br>[1.980] | 38.72<br>[1.524] | 24.99<br>[.984]  | 9.73 x 10.27<br>[.383 x .404]   | 23.48 grams              |
| D15000AKN <sup>*1</sup> E0 <sup>*2</sup><br>D15000AKN <sup>*1</sup> E60 <sup>*2</sup><br>D15000AKN <sup>*1</sup> E70 <sup>*2</sup>    | Std-D: 15<br>High-D: 26                       | Combo-D: 3W3, 3WK3,<br>7W2, 11W1<br>Combo-D High-D: 19W1               | 2          | 28.24<br>[1.112] | 15.65<br>[.616] | 61.46<br>[2.419] | 56.90<br>[2.240] | 47.07<br>[1.852] | 33.32<br>[1.312] | 9.73 x 16.00<br>[.383 x .630]   | 30.27 grams              |
| D25000AKN <sup>*1</sup> E0 <sup>*2</sup><br>D25000AKN <sup>*1</sup> E60 <sup>*2</sup><br>D25000AKN <sup>*1</sup> E70 <sup>*2</sup>    | Std-D: 25<br>High-D: 44                       | Combo-D: 5W5, 9W4, 13W3,<br>17W2, 21W1<br>Combo-D High-D: 15W4         | 3          | 42.06<br>[1.656] | 15.65<br>[.616] | 64.38<br>[2.535] | 58.17<br>[2.290] | 60.76<br>[2.392] | 47.04<br>[1.852] | 9.73 x 20.00<br>[.383 x .787]   | 41.29 grams              |
| D37000AKN <sup>*1</sup> E0 <sup>*2</sup><br>D37000AKN <sup>*1</sup> E60 <sup>*2</sup><br>D37000AKN <sup>*1</sup> E70 <sup>*2</sup>    | Std-D: 37<br>High-D: 62                       | Combo-D: 8W8, 13W6, 17W5,<br>21WA4, 25W3, 27W2<br>Combo-D High-D: 45W2 | 4          | 58.52<br>[2.304] | 15.65<br>[.616] | 76.37<br>[3.007] | 68.08<br>[2.680] | 77.22<br>[3.040] | 63.50<br>[2.500] | 9.73 x 30.00<br>[.383 x 1.181]  | 58.80 grams              |
| D50000AKN <sup>*1</sup> E0 <sup>*2</sup><br>D50000AKN <sup>*1</sup> E60 <sup>*2</sup><br>D50000AKN <sup>*1</sup> E70 <sup>*2</sup>    | Std-D: 50<br>High-D: 78                       | Combo-D: 24W7, 36W4,<br>43W2, 47W1<br>Combo-D High-D: n/a              | 5          | 56.13<br>[2.210] | 18.47<br>[.727] | 75.52<br>[2.973] | 68.08<br>[2.680] | 74.83<br>[2.946] | 61.11<br>[2.406] | 11.00 x 30.00<br>[.433 x 1.181] | 61.12 grams              |
| D104000AKN <sup>*1</sup> E0 <sup>*2</sup><br>D104000AKN <sup>*1</sup> E60 <sup>*2</sup><br>D104000AKN <sup>*1</sup> E70 <sup>*2</sup> | Std-D: n/a<br>High-D: 104                     | Combo-D: 46W4<br>Combo-D High-D: n/a                                   | 6          | 58.52<br>[2.304] | 20.07<br>[.790] | 76.65<br>[3.018] | 68.08<br>[2.680] | 77.22<br>[3.040] | 63.50<br>[2.500] | 14.00 x 30.00<br>[.551 x 1.181] | 65.53 grams              |

<sup>\*1</sup> For additional 'Material & Finish Options', replace 'N' with desired 'Code' from Create A Part on page 8

<sup>\*2</sup> For 1.27µm min Au over Cu, replace the last '0' with 'G' in part number and \*1 note must remain as 'N' (e.g. D9000AKNE6G)

<sup>\*3</sup> Custom cable entry is available. Contact Technical Sales for more information.

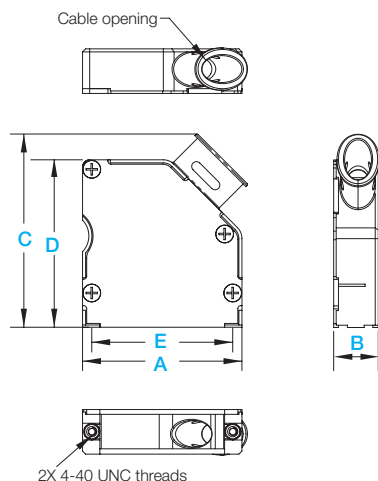
<sup>\*4</sup> Weight for 'E' configuration. Contact Technical Sales for 'E6' and 'E7'.

## LIGHTWEIGHT ALUMINUM BACKSHELLS

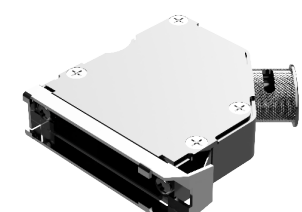
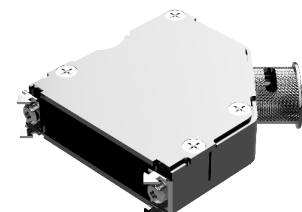
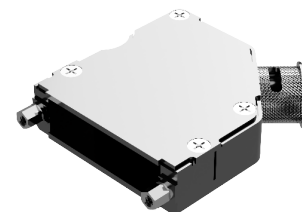
For the sake of brevity, only basic dimensions are shown here. Full dimensional detail is available in the respective product drawings.

### AK

Backshell, banded, aluminum, standard profile, side entry<sup>\*1</sup>



For use with code T2, VL or V3



Dimensions are in millimeters [inches]

| PART NUMBER                                                                                                                         | Connector / Contact Arrangement Compatibility |                                                                        | Shell Size | A                | B               | C                | D                | E                | Cable Entry <sup>*2</sup>       | Total Mass                |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------|------------|------------------|-----------------|------------------|------------------|------------------|---------------------------------|---------------------------|
| D9000AKN <sup>*1</sup> T20 <sup>*2</sup><br>D9000AKN <sup>*1</sup> V30 <sup>*2</sup><br>D9000AKN <sup>*1</sup> VL0 <sup>*2</sup>    | Std-D: 9<br>High-D: 15                        | Combo-D: 5W1, 2WK2<br>Combo-D High-D: 8W2                              | 1          | 30.96<br>[1.219] | 14.88<br>[.586] | 54.65<br>[2.152] | 48.26<br>[1.900] | 24.99<br>[.984]  | 9.00 x 18.00<br>[.354 x .709]   | 31.39 grams <sup>*4</sup> |
| D15000AKN <sup>*1</sup> T20 <sup>*2</sup><br>D15000AKN <sup>*1</sup> V30 <sup>*2</sup><br>D15000AKN <sup>*1</sup> VL0 <sup>*2</sup> | Std-D: 15<br>High-D: 26                       | Combo-D: 3W3, 3WK3,<br>7W2, 11W1<br>Combo-D High-D: 19W1               | 2          | 39.29<br>[1.547] | 14.88<br>[.586] | 63.59<br>[2.503] | 55.88<br>[2.200] | 33.32<br>[1.312] | 9.00 x 22.00<br>[.354 x .866]   | 39.77 grams <sup>*4</sup> |
| D25000AKN <sup>*1</sup> T20 <sup>*2</sup><br>D25000AKN <sup>*1</sup> V30 <sup>*2</sup><br>D25000AKN <sup>*1</sup> VL0 <sup>*2</sup> | Std-D: 25<br>High-D: 44                       | Combo-D: 5W5, 9W4, 13W3,<br>17W2, 21W1<br>Combo-D High-D: 15W4         | 3          | 53.19<br>[2.094] | 14.88<br>[.586] | 64.49<br>[2.539] | 55.88<br>[2.200] | 47.04<br>[1.852] | 9.00 x 19.00<br>[.354 x .748]   | 50.89 grams <sup>*4</sup> |
| D37000AKN <sup>*1</sup> T20 <sup>*2</sup><br>D37000AKN <sup>*1</sup> V30 <sup>*2</sup><br>D37000AKN <sup>*1</sup> VL0 <sup>*2</sup> | Std-D: 37<br>High-D: 62                       | Combo-D: 8W8, 13W6, 17W5,<br>21WA4, 25W3, 27W2<br>Combo-D High-D: 45W2 | 4          | 69.49<br>[2.736] | 14.88<br>[.586] | 76.16<br>[2.998] | 69.85<br>[2.750] | 63.50<br>[2.500] | 9.00 x 29.00<br>[.354 x 1.142]  | 71.67 grams <sup>*4</sup> |
| D50000AKN <sup>*1</sup> T20 <sup>*2</sup><br>D50000AKN <sup>*1</sup> V30 <sup>*2</sup><br>D50000AKN <sup>*1</sup> VL0 <sup>*2</sup> | Std-D: 50<br>High-D: 78                       | Combo-D: 24W7, 36W4,<br>43W2, 47W1<br>Combo-D High-D: n/a              | 5          | 67.11<br>[2.642] | 17.70<br>[.697] | 76.44<br>[3.009] | 69.85<br>[2.750] | 61.11<br>[2.406] | 11.00 x 30.00<br>[.433 x 1.181] | 73.62 grams <sup>*4</sup> |
| D104000AKN <sup>*1</sup> T20 <sup>*2</sup>                                                                                          | Std-D: n/a<br>High-D: 104                     | Combo-D: 46W4<br>Combo-D High-D: n/a                                   | 6          | 69.49<br>[2.736] | 19.30<br>[.760] | 77.49<br>[3.051] | 69.85<br>[2.750] | 63.50<br>[2.500] | 13.00 x 32.00<br>[.512 x 1.260] | 69.76 grams               |

<sup>\*1</sup> For additional 'Material & Finish Options', replace 'N' with desired 'Code' from Create A Part on page 8

<sup>\*2</sup> For 1.27µm min Au over Cu, replace the last '0' with 'G' in part number and <sup>\*1</sup> note must remain as 'N' (e.g. D9000AKNT2G)

<sup>\*3</sup> Custom cable entry is available. Contact Technical Sales for more information.

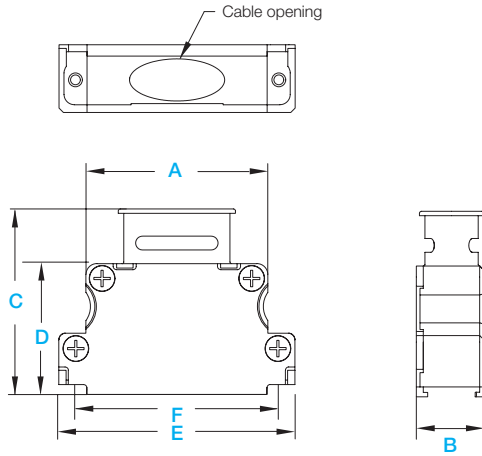
<sup>\*4</sup> Weight for 'VL' configuration. Contact Technical Sales for 'T2' and 'V3'.

## LIGHTWEIGHT ALUMINUM BACKSHELLS

For the sake of brevity, only basic dimensions are shown here. Full dimensional detail is available in the respective product drawings.

### AW

Backshell, banded, aluminum, low profile, top entry<sup>\*1</sup>



For use with code E, E6 or E7



AW backshell shown with E option



AW backshell shown with E6 option



AW backshell shown with E7 option

Dimensions are in millimeters [inches]

| PART NUMBER                                                                                                                           | Connector / Contact Arrangement Compatibility |                                                                        | Shell Size | A                | B               | C                | D                | E                | F                | Cable Entry <sup>*2</sup>       | Total Mass <sup>*4</sup> |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------|------------|------------------|-----------------|------------------|------------------|------------------|------------------|---------------------------------|--------------------------|
| D9000AWN <sup>*1</sup> E0 <sup>*2</sup><br>D9000AWN <sup>*1</sup> E60 <sup>*2</sup><br>D9000AWN <sup>*1</sup> E70 <sup>*2</sup>       | Std-D: 9<br>High-D: 15                        | Combo-D: 5W1, 2WK2<br>Combo-D High-D: 8W2                              | 1          | 20.32<br>[.800]  | 15.65<br>[.616] | 40.34<br>[1.588] | 27.69<br>[1.090] | 32.33<br>[1.273] | 24.99<br>[.984]  | 9.73 X 10.00<br>[.383 x .394]   | 17.54 grams              |
| D15000AWN <sup>*1</sup> E0 <sup>*2</sup><br>D15000AWN <sup>*1</sup> E60 <sup>*2</sup><br>D15000AWN <sup>*1</sup> E70 <sup>*2</sup>    | Std-D: 15<br>High-D: 26                       | Combo-D: 3W3, 3WK3,<br>7W2, 11W1<br>Combo-D High-D: 19W1               | 2          | 28.45<br>[1.120] | 15.65<br>[.616] | 42.88<br>[1.688] | 30.23<br>[1.190] | 40.64<br>[1.600] | 33.32<br>[1.312] | 9.73 x 17.00<br>[.383 x .669]   | 22.42 grams              |
| D25000AWN <sup>*1</sup> E0 <sup>*2</sup><br>D25000AWN <sup>*1</sup> E60 <sup>*2</sup><br>D25000AWN <sup>*1</sup> E70 <sup>*2</sup>    | Std-D: 25<br>High-D: 44                       | Combo-D: 5W5, 9W4, 13W3,<br>17W2, 21W1<br>Combo-D High-D: 15W4         | 3          | 42.06<br>[1.656] | 15.65<br>[.616] | 42.88<br>[1.688] | 30.23<br>[1.190] | 54.61<br>[2.150] | 47.04<br>[1.852] | 9.73 x 22.00<br>[.383 x .866]   | 27.86 grams              |
| D37000AWN <sup>*1</sup> E0 <sup>*2</sup><br>D37000AWN <sup>*1</sup> E60 <sup>*2</sup><br>D37000AWN <sup>*1</sup> E70 <sup>*1</sup>    | Std-D: 37<br>High-D: 62                       | Combo-D: 8W8, 13W6, 17W5,<br>21WA4, 25W3, 27W2<br>Combo-D High-D: 45W2 | 4          | 58.52<br>[2.304] | 15.65<br>[.616] | 42.88<br>[1.688] | 30.23<br>[1.190] | 71.12<br>[2.800] | 63.50<br>[2.500] | 9.73 x 42.00<br>[.383 x 1.654]  | 34.92 grams              |
| D50000AWN <sup>*1</sup> E0 <sup>*2</sup><br>D50000AWN <sup>*1</sup> E60 <sup>*2</sup><br>D50000AWN <sup>*1</sup> E70 <sup>*2</sup>    | Std-D: 50<br>High-D: 78                       | Combo-D: 24W7, 36W4,<br>43W2, 47W1<br>Combo-D High-D: n/a              | 5          | 56.13<br>[2.210] | 18.47<br>[.727] | 42.88<br>[1.688] | 30.23<br>[1.190] | 68.60<br>[2.701] | 61.11<br>[2.406] | 11.00 x 40.00<br>[.433 x 1.575] | 35.92 grams              |
| D104000AWN <sup>*1</sup> E0 <sup>*2</sup><br>D104000AWN <sup>*1</sup> E60 <sup>*2</sup><br>D104000AWN <sup>*1</sup> E70 <sup>*2</sup> | Std-D: n/a<br>High-D: 104                     | Combo-D: 46W4<br>Combo-D High-D: n/a                                   | 6          | 58.52<br>[2.304] | 20.07<br>[.790] | 42.88<br>[1.688] | 30.23<br>[1.190] | 71.12<br>[2.800] | 63.50<br>[2.500] | 14.00 x 42.00<br>[.551 x 1.654] | 38.95 grams              |

<sup>\*1</sup> For additional 'Material & Finish Options', replace 'N' with desired 'Code' from Create A Part on page 8

<sup>\*2</sup> For 1.27µm min Au over Cu, replace the last '0' with 'G' in part number and <sup>\*1</sup> note must remain as 'N' (e.g. D9000AWN6G)

<sup>\*3</sup> Custom cable entry is available. Contact Technical Sales for more information.

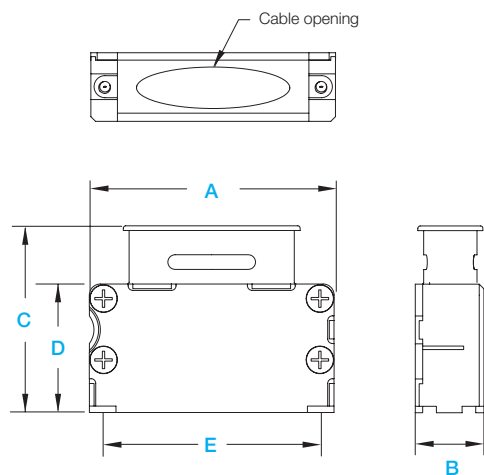
<sup>\*4</sup> Weight for 'E' configuration. Contact Technical Sales for 'E6' and 'E7'.

## LIGHTWEIGHT ALUMINUM BACKSHELLS

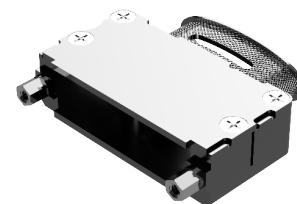
For the sake of brevity, only basic dimensions are shown here. Full dimensional detail is available in the respective product drawings.

### AW

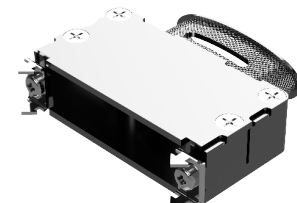
Backshell, banded, aluminum, low profile, top entry<sup>\*1</sup>



For use with code T2, V3 or VL



AW backshell shown with T2 option



AW backshell shown with V3 option



AW backshell shown with VL option

Dimensions are in millimeters [inches]

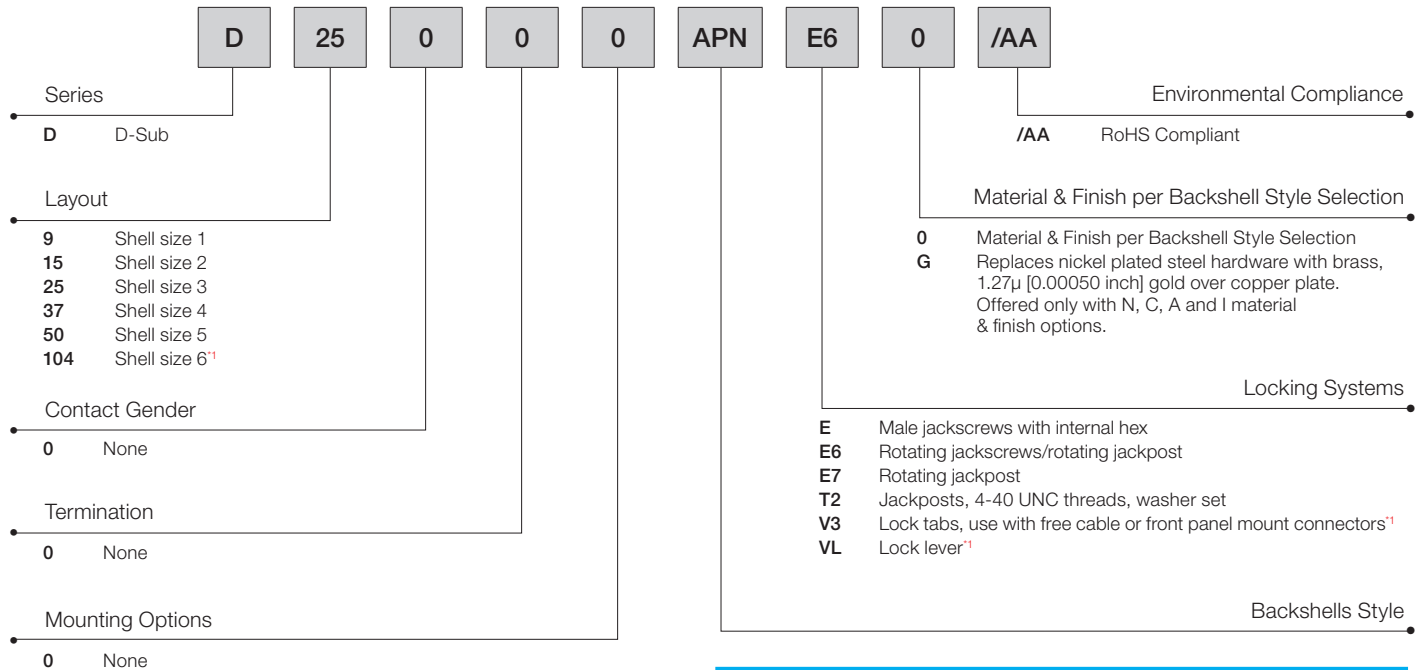
| PART NUMBER                                                                                                                        | Connector / Contact Arrangement Compatibility |                                                                        | Shell Size | A                | B               | C                | D                | E                | Cable Entry <sup>*3</sup>       | Total Mass                |
|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------|------------|------------------|-----------------|------------------|------------------|------------------|---------------------------------|---------------------------|
| D9000AWN <sup>*1</sup> T2 <sup>*2</sup><br>D9000AWN <sup>*1</sup> V30 <sup>*2</sup><br>D9000AWN <sup>*1</sup> VL0 <sup>*2</sup>    | Std-D: 9<br>High-D: 15                        | Combo-D: 5W1, 2WK2<br>Combo-D High-D: 8W2                              | 1          | 30.96<br>[1.219] | 14.88<br>[.586] | 40.59<br>[1.598] | 27.94<br>[1.100] | 24.99<br>[.984]  | 9.00 x 11.28<br>[.354 x .444]   | 24.43 grams <sup>*4</sup> |
| D15000AWN <sup>*1</sup> T2 <sup>*2</sup><br>D15000AWN <sup>*1</sup> V30 <sup>*2</sup><br>D15000AWN <sup>*1</sup> VL0 <sup>*2</sup> | Std-D: 15<br>High-D: 26                       | Combo-D: 3W3, 3WK3,<br>7W2, 11W1<br>Combo-D High-D: 19W1               | 2          | 39.29<br>[1.547] | 14.88<br>[.586] | 40.59<br>[1.598] | 27.94<br>[1.100] | 33.32<br>[1.312] | 9.00 x 19.61<br>[.354 x .772]   | 27.47 grams <sup>*4</sup> |
| D25000AWN <sup>*1</sup> T2 <sup>*2</sup><br>D25000AWN <sup>*1</sup> V30 <sup>*2</sup><br>D25000AWN <sup>*1</sup> VL0 <sup>*2</sup> | Std-D: 25<br>High-D: 44                       | Combo-D: 5W5, 9W4, 13W3,<br>17W2, 21W1<br>Combo-D High-D: 15W4         | 3          | 53.19<br>[2.094] | 14.88<br>[.586] | 40.59<br>[1.598] | 27.94<br>[1.100] | 47.04<br>[1.852] | 9.00 x 33.32<br>[.354 x 1.312]  | 34.25 grams <sup>*4</sup> |
| D37000AWN <sup>*1</sup> T2 <sup>*2</sup><br>D37000AWN <sup>*1</sup> V30 <sup>*2</sup><br>D37000AWN <sup>*1</sup> VL0 <sup>*1</sup> | Std-D: 37<br>High-D: 62                       | Combo-D: 8W8, 13W6, 17W5,<br>21WA4, 25W3, 27W2<br>Combo-D High-D: 45W2 | 4          | 69.49<br>[2.736] | 14.88<br>[.586] | 40.59<br>[1.598] | 27.94<br>[1.100] | 63.50<br>[2.500] | 9.00 x 49.78<br>[.354 x 1.960]  | 41.14 grams <sup>*4</sup> |
| D50000AWN <sup>*1</sup> T2 <sup>*2</sup><br>D50000AWN <sup>*1</sup> V30 <sup>*2</sup><br>D50000AWN <sup>*1</sup> VL0 <sup>*2</sup> | Std-D: 50<br>High-D: 78                       | Combo-D: 24W7, 36W4,<br>43W2, 47W1<br>Combo-D High-D: n/a              | 5          | 67.11<br>[2.642] | 17.70<br>[.697] | 40.59<br>[1.598] | 27.94<br>[1.100] | 61.11<br>[2.406] | 11.00 x 47.40<br>[.433 x 1.866] | 43.37 grams <sup>*4</sup> |
| D104000AWN <sup>*1</sup> T2 <sup>*2</sup>                                                                                          | Std-D: n/a<br>High-D: 104                     | Combo-D: 46W4<br>Combo-D High-D: n/a                                   | 6          | 69.49<br>[2.736] | 19.30<br>[.760] | 40.59<br>[1.598] | 27.94<br>[1.100] | 63.50<br>[2.500] | 13.00 x 49.00<br>[.512 x 1.929] | 41.35 grams               |

<sup>\*1</sup> For additional 'Material & Finish Options', replace 'N' with desired 'Code' from Create A Part on page 8

<sup>\*2</sup> For 1.27µm min Au over Cu, replace the last '0' with 'G' in part number and \*1 note must remain as 'N' (e.g. D9000AWNT2G)

<sup>\*3</sup> Custom cable entry is available. Contact Technical Sales for more information.

<sup>\*4</sup> Weight for 'VL' configuration. Contact Technical Sales for 'T2' and 'V3'.



<sup>\*1</sup> VL, and V3 locking systems are not available for 104, shell size 6.

<sup>\*2</sup> Offered only with T2, E, E6, and E7 locking system options

### BACKSHELL TYPE

1.1

- AP Top entry
- AK Side entry
- AW Low profile, top entry

### MATERIAL & FINISH OPTIONS

1.2

#### Backshell & Cable Clamp Finish Hardware Material & Finish

##### Standard Platings

|   |           |                         |
|---|-----------|-------------------------|
| N | Nickel    | Steel with nickel plate |
| C | No finish | Steel with nickel plate |

##### Optional Platings

|                 |                             |                                         |
|-----------------|-----------------------------|-----------------------------------------|
| A               | Anodize                     | Steel with nickel plate                 |
| B <sup>*2</sup> | Anodize                     | Brass with zinc plate and chromate seal |
| D <sup>*2</sup> | No finish                   | Brass with zinc plate and chromate seal |
| I               | Chemical conversion coating | Steel with nickel plate                 |
| J <sup>*2</sup> | Chemical conversion coating | Brass with zinc plate and chromate seal |

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