

ELECTROMAGNETICALLY COMPATIBLE MACHINED LOW-PROFILE BACKSHELLS

LIGHTWEIGHT ALUMINUM

EL SERIES, FOR USE WITH D-SUB CONNECTORS, INCLUDING MACH-D

FEATURES

- Suitable for machined and stamped standard, high, and mixed density D-Sub connectors, including the Mach-D Series
- Available in sizes 1 through 6
- Banded top elliptical entry, knurled with tie wrap
- Low-profile
- Full metal captive jackscrews UNC 4-40 standard, M3 available
- Includes grounding strip and conductive gasket
- Re-openable, two-piece construction
- Metal backshell offers EMI protection
- Suitable for robust use
- Customizable



ELNE3
Rotating male jack screw, internal hex



ELNT
Fixed female jackposts

TECH SPECS

Performance Level	Mil/Aero / Spaceflight / Industrial
RoHS Compliance	Compliant when /AA suffix is applied

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.
Hardware	Stainless steel passivated; brass with 1.27µm min. gold plate
Grounding Clip	Beryllium copper

MECHANICAL

Cable Entry	Top entry
Locking System	Jackscrews

ENVIRONMENTAL

Operating Temperature	-60°C to +204°C
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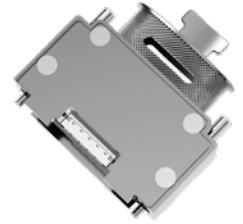
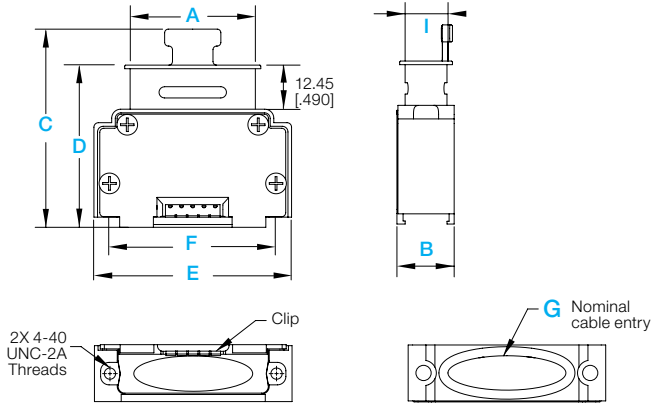
LIGHTWEIGHT ALUMINUM BACKSHELLS

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 E3 or T

EL

Backshell, banded, aluminum, top entry, low-profile



EL backshell shown with E3 option



EL backshell shown with T option

Dimensions are in millimeters [inches]

PART NUMBER	Connector / Contact Arrangement Compatibility	Shell Size	A	B	C	D	E	F	G Cable Entry	I	Total Mass ^{*2}
D9000ELN [†] E30 D9000ELN [†] T0 MCD9000ELN [†] E30 MCD9000ELN [†] T0	Std-D: 9 High-D: 15	1	13.31 [.524]	16.08 [.633]	55.96 [2.203]	45.80 [1.803]	33.58 [1.322]	24.99 [.984]	11.28 X 9.73 [.444 X .383]	11.76 [.463]	30.9 grams
D15000ELN [†] E30 D15000ELN [†] T0 MCD15000ELN [†] E30 MCD15000ELN [†] T0	Std-D: 15 High-D: 26	2	21.64 [.852]	16.08 [.633]	55.96 [2.203]	45.80 [1.803]	41.91 [1.650]	33.32 [1.312]	19.61 X 9.73 [.772 X .383]	11.76 [.463]	35.4 grams
D25000ELN [†] E30 D25000ELN [†] T0 MCD25000ELN [†] E30 MCD25000ELN [†] T0	Std-D: 25 High-D: 44	3	35.36 [1.392]	16.08 [.633]	55.96 [2.203]	45.80 [1.803]	55.80 [2.197]	47.04 [1.852]	33.32 X 9.73 [1.312 X .383]	11.76 [.463]	42.8 grams
D37000ELN [†] E30 D37000ELN [†] T0 MCD37000ELN [†] E30 MCD37000ELN [†] T0	Std-D: 37 High-D: 62	4	51.82 [2.040]	16.08 [.633]	55.96 [2.203]	45.80 [1.803]	72.26 [2.845]	63.50 [2.500]	49.78 X 9.73 [1.960 X .383]	11.76 [.463]	51.0 grams
D50000ELN [†] E30 D50000ELN [†] T0 MCD50000ELN [†] E30 MCD50000ELN [†] T0	Std-D: 50 High-D: 78	5	49.43 [1.946]	18.92 [.745]	55.96 [2.203]	45.80 [1.803]	69.88 [2.751]	61.11 [2.406]	47.39 X 12.57 [1.866 X .495]	11.76 [.463]	54.1 grams
D104000ELN [†] E30 D104000ELN [†] T0 MCD104000ELN [†] E30 MCD104000ELN [†] T0	Std-D: n/a High-D: 104	6	51.84 [2.041]	20.50 [.807]	55.96 [2.203]	45.80 [1.803]	72.26 [2.845]	63.50 [2.500]	49.78 X 14.15 [1.960 X .557]	16.20 [.638]	57.0 grams

*1 For additional 'Material & Finish Options', replace 'N' with desired 'Code' from Create A Part on page 3.

*2 Total Mass shown is for D#000ELNT0 configuration. For Total Mass of E3 jackscrew option, add 1.0 grams to the listed value.

Series

D

D-Sub

MCD

Mach-D

Layout

15

9

Shell size 1

15

Shell size 2

25

Shell size 3

37

Shell size 4

50

Shell size 5

104

Shell size 6

Contact Gender

0

None

Termination

0

None

Mounting Options

0

None

ELN

EL

Low-profile, top entry

E3

E3

Rotating male jackscrews, internal hex, retractable

T

Fixed female jackposts

0

0

None

/AA

/AA

Environmental Compliance

RoHS Compliant

Connector Material & Finish

Locking Systems

Backshell Style

BACKSHELL TYPE

6.1

MATERIAL & FINISH OPTIONS

6.2

Backshell Finish

Hardware Material & Finish

Standard Plating

N

Electroless nickel

Stainless steel, passivated

C

No finish

Stainless steel, passivated

Optional Platings

A

Anodize, yellow

Stainless steel, passivated

G

Gold 0.76µm min.

Brass, 1.27µm min. gold plate

I

Chemical conversion coating

Stainless steel, passivated

L

Electroless nickel, conductive

Stainless steel, passivated

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