

PRECISION MACHINED ONE-PIECE SHORTING CAN CLOSED BACKSHELL

LIGHTWEIGHT ALUMINUM

XC / XCL SERIES, FOR USE WITH D-SUB CONNECTORS USED FOR SWITCHING OR SHORTING

FEATURES / TECH SPECS



- Suitable with standard and high density D-Sub connectors with stamped shells; XC version also suitable for mixed density D-Sub connectors
- Available in sizes 1 through 6
- Standard and low profile
- Rotating or fixed jackscrews
- One-piece construction
- Metal backshell offers EMI protection
- Suitable for robust use
- Customizable

TECH SPECS

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

MATERIAL AND FINISHES

Material	Aluminum
Magnetism Level ^{*1}	Magnetic Permeability $\leq 2 \mu$ Residual Magnetism ≤ 20 gamma ^{*2}
Outgassing	ASTM E595 ECSS-Q-ST-70-02C

MECHANICAL

Locking System	Jackscrews
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ENVIRONMENTAL

Operating Temperature	-55 to 125°C
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^{*1} Performance not guaranteed on Mounting or Material & Finish code "L." Contact Technical Sales for additional options.

^{*2} Meets ESCC NMC and GSFC Level C requirements when ordered with Material & Finish code "G" and Mounting/Locking Systems code "0" (e.g., D#000#G00/AA). Contact Technical Sales for additional options.

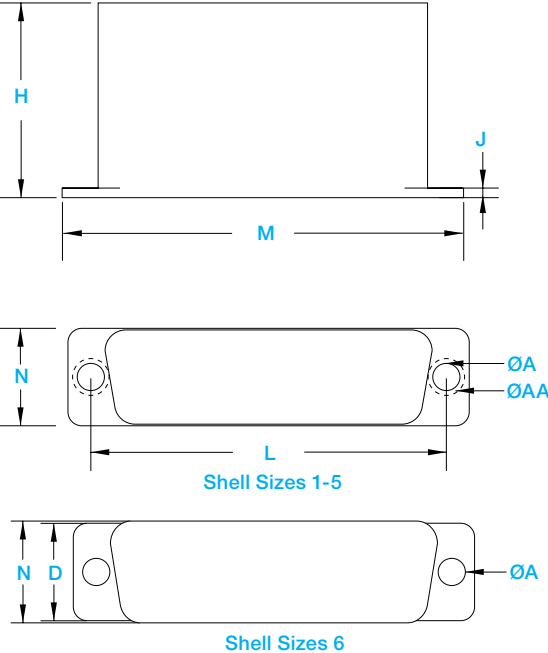
LIGHTWEIGHT ALUMINUM BACKSHELLS

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 E or T2

XC

Backshell, closed, aluminum



XC backshell shown with E option



XC backshell shown with T2 option

Dimensions are in millimeters [inches]

Shell Size	ØA	ØAA	B	D	H	J	L	M	N	Total Mass	ESCC Equivalent (for reference only, without hardware)	
Tolerances	±0.06 [±.002]	±0.05 [±.002]	±0.05 [±.002]	±0.10 [±.004]	±0.13 [±.005]	±0.13 [±.005]	±0.13 [±.005]	±0.13 [±.005]	±0.13 [±.005]	g ±5%		
											Finish 'G'	Finish 'N'
1	3.98 [.157]	5.20 [.205]	0.50 [.020]	-	25.40 [1.000]	0.90 [.035]	24.99 [.984]	30.81 [1.213]	12.50 [.492]	3.5 grams	340107210B NMBA	340107210B NMBA-A174
2	3.98 [.157]	5.20 [.205]	0.50 [.020]	-	25.40 [1.000]	0.90 [.035]	33.32 [1.312]	39.14 [1.541]	12.50 [.492]	4.5 grams	340107211B NMBA	340107211B NMBA-A174
3	3.98 [.157]	5.20 [.205]	0.50 [.020]	-	25.40 [1.000]	0.90 [.035]	47.04 [1.852]	53.04 [2.088]	12.50 [.492]	6.2 grams	304107212B NMBA	304107212B NMBA-A174
4	3.98 [.157]	5.20 [.205]	0.50 [.020]	-	25.40 [1.000]	0.90 [.035]	63.50 [2.500]	69.32 [2.729]	12.50 [.492]	8.2 grams	304107213B NMBA	304107213B NMBA-A174
5	3.98 [.157]	5.20 [.205]	0.50 [.020]	-	25.40 [1.000]	0.90 [.035]	61.11 [2.406]	66.93 [2.635]	15.29 [.602]	8.6 grams	304107214B NMBA	304107214B NMBA-A174
6	3.98 [.157]	-	-	15.25 [.600]	25.40 [1.000]	0.90 [.035]	63.50 [2.500]	69.32 [2.729]	16.89 [.665]	9.3 grams	304107273B NMB	304107273B NMB-A174

LIGHTWEIGHT ALUMINUM BACKSHELLS

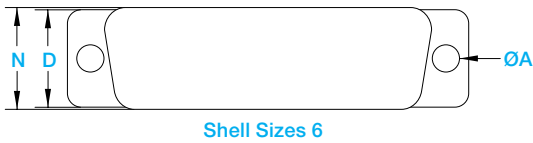
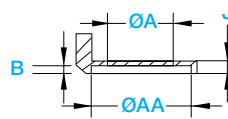
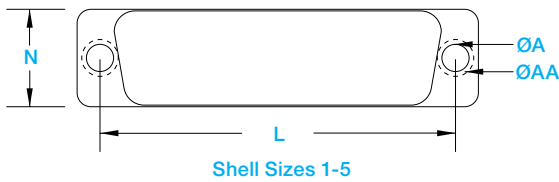
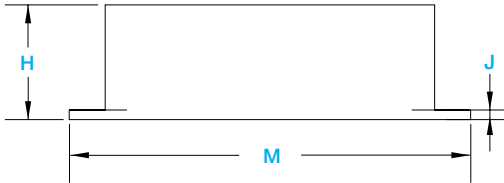
For the sake of brevity, only basic dimensions are shown here. Full dimensional detail is available in the respective product drawings.

For use with code E or T2

XCL

Backshell, closed, aluminum, low profile

The low-profile design of the XCL backshell may limit compatibility with certain connector configurations.



XCL backshell shown with E option



XCL backshell shown with T2 option

Dimensions are in millimeters [inches]

Shell Size	ØA	ØAA	B	D	H	J	L	M	N	Total Mass	ESCC Equivalent (for reference only, without hardware)	
Tolerances	±0.06 [±.002]	±0.05 [±.002]	±0.05 [±.002]	±0.10 [±.004]	±0.13 [±.005]	±0.13 [±.005]	±0.13 [±.005]	±0.13 [±.005]	±0.13 [±.005]	g ±5%	Finish 'G'	Finish 'N'
1	3.98 [.157]	5.20 [.205]	0.50 [.020]	-	12.70 [.500]	0.90 [.035]	24.99 [.984]	30.81 [1.213]	12.50 [.492]	2.1 grams	340107261B NMBA	340107261B NMBA-A174
2	3.98 [.157]	5.20 [.205]	0.50 [.020]	-	12.70 [.500]	0.90 [.035]	33.32 [1.312]	39.14 [1.541]	12.50 [.492]	2.7 grams	340107262B NMBA	340107262B NMBA-A174
3	3.98 [.157]	5.20 [.205]	0.50 [.020]	-	12.70 [.500]	0.90 [.035]	47.04 [1.852]	53.04 [2.088]	12.50 [.492]	3.7 grams	340107263B NMBA	340107263B NMBA-A174
4	3.98 [.157]	5.20 [.205]	0.50 [.020]	-	12.70 [.500]	0.90 [.035]	63.50 [2.500]	69.32 [2.729]	12.50 [.492]	5.0 grams	340107264B NMBA	340107264B NMBA-A174
5	3.98 [.157]	5.20 [.205]	0.50 [.020]	-	12.70 [.500]	0.90 [.035]	61.11 [2.406]	66.93 [2.635]	15.29 [.602]	5.3 grams	340107265B NMBA	340107265B NMBA-A174
6	3.98 [.157]	-	-	15.25 [.600]	25.40 [1.000]	0.90 [.035]	63.50 [2.500]	69.32 [2.729]	16.89 [.665]	9.3 grams	304107273B NMB	304107273B NMB-A174

Positronic

General Information

CREATE A PART

Series	D	15	0	0	0	XCG	E	0	/AA	Environmental Compliance
D	D-Sub								/AA	RoHS Compliant
Layout								0	None	Connector Material & Finish
9	Shell size 1									Locking Systems
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										Backshell Style
0	None									
Mounting Options										
0	None									
L*	Lanyard									

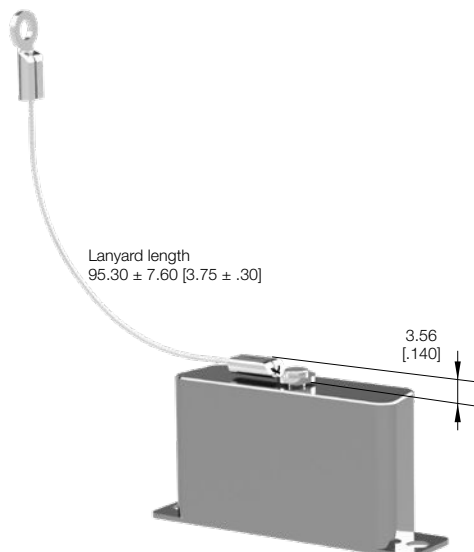
*1 L Mounting Option and Material & Finish Option should not be considered low magnetism.

BACKSHELL TYPE 6.1

- XC** Standard height
- XCL** Low profile

MATERIAL & FINISH OPTIONS 6.2

Backshell Finish		Hardware Material & Finish
<u>Standard Platings</u>		
G	Gold 0.76µm min.	Brass, 1.27µm min. gold plate
N	Electroless nickel, low-mag	Stainless steel, passivated
C	No finish	Stainless steel, passivated
<u>Optional Platings</u>		
A	Anodize, yellow	Stainless steel, passivated
I	Chemical conversion coating	Stainless steel, passivated
L*	Electroless nickel, conductive	Stainless steel, passivated



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