

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
- Low outgassing
- 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.



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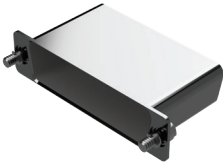
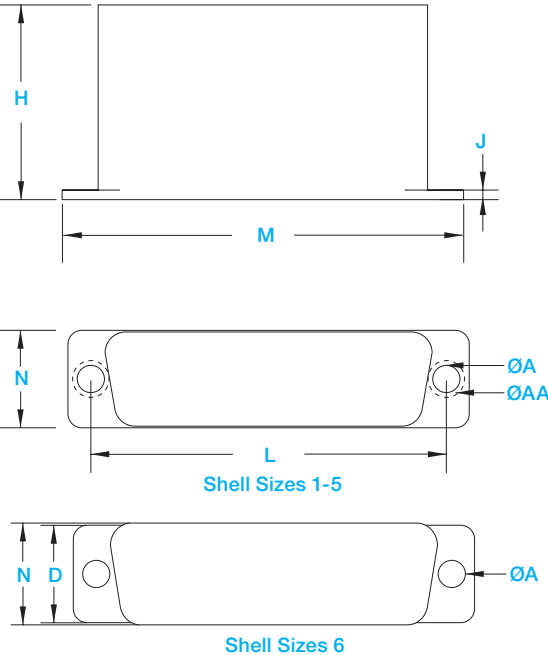
LIGHTWEIGHT ALUMINUM BACKSHELLS

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 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

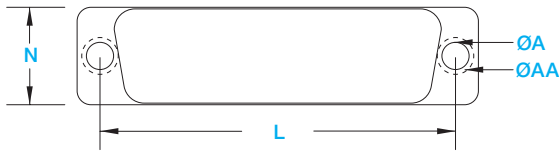
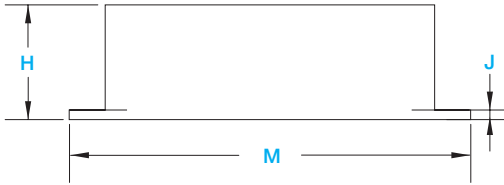
For the sake of brevity, only basic dimensions are shown here. Full dimensional detail is available in the respective product drawings.

For use with code E or T2

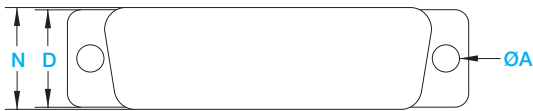
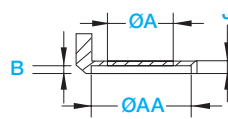
XCL

Backshell, closed, aluminum, low profile

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



Shell Sizes 1-5



Shell Sizes 6



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		
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%	ESCC Equivalent (for reference only, without hardware)	
											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										Connector Material & Finish
9	Shell size 1							0	None	
15	Shell size 2									Locking Systems
25	Shell size 3									
37	Shell size 4									
50	Shell size 5									
104	Shell size 6									
Contact Gender										Backshell Style
0	None									
Termination										
0	None									
Mounting Options										
0	None									
L*	Lanyard									

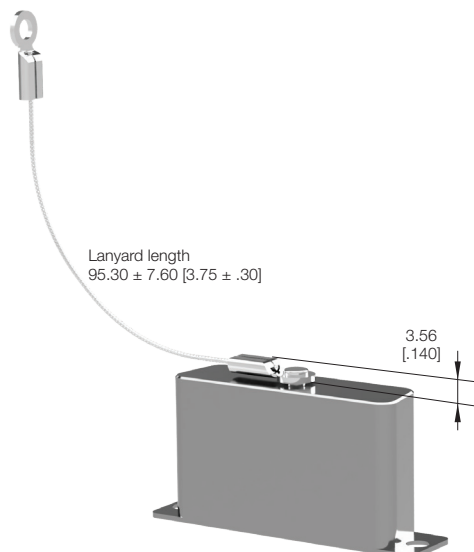
*1 L Mounting Option and Material & Finish Option should not be considered low magnetism.

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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