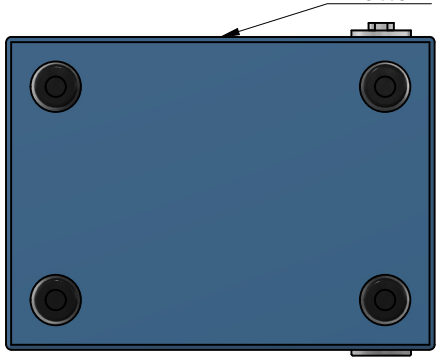
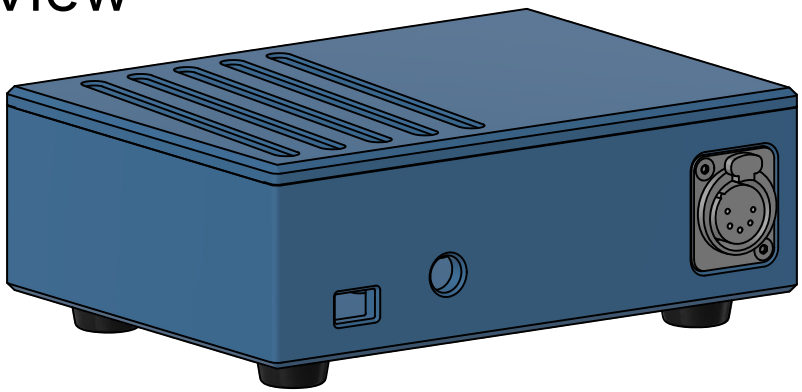
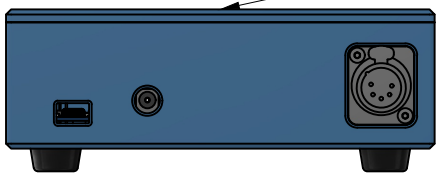
Project Overview

Bottom

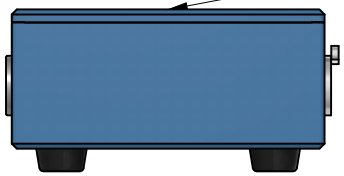




Back

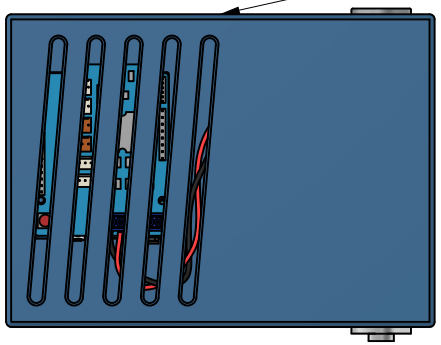


Left side



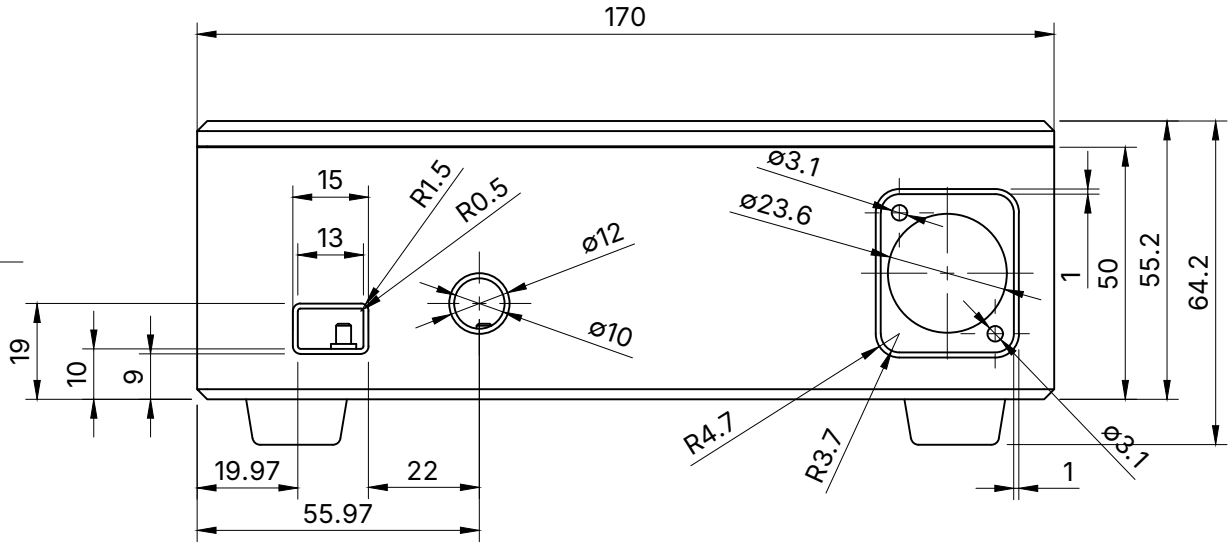
Front

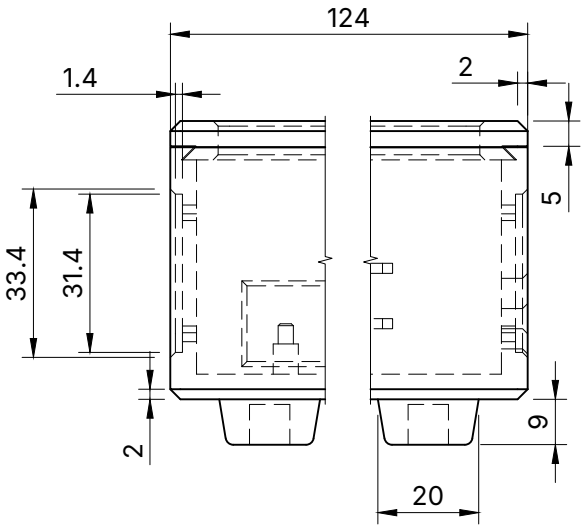
Top



Required Components and Parts				
#	Qty	Part Name	McMaster-Carr P/N	Notes
1	4	M3 8mm Hex Drive Flat Head Screw	90729A167	-
2	4	18-8 Stainless Steel Washer	93475A210	-
3	4	M3 x 0.5 mm Hex Nut	90591A250	-
4	4	Adam Hall 4903 Rubber Feet	-	-
5	1	Neutrik NC5FD-LX	-	-
6	1	Neutrik NC3MD-S-1-B	-	Screw terminals make assembly easier compared to when using Neutrik NC3MD-L-B-1 with solder cups
7	1	Canare L-4E6S	-	Minimum required length: 100mm, cut a 120-140mm piece before stripping the cable
8	1	Arduino Motor Shield Rev3	-	-
9	1	Arduino UNO R4 WiFi	-	Arduino UNO R4 Minima works too, needs constant wired connection to the computer
10	1	3D-printed enclosure with lid	-	Regular PLA works well

Enclosure Dimensions: Box





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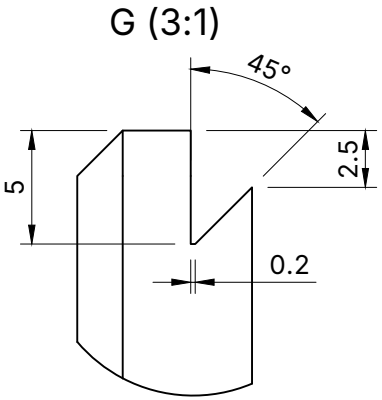
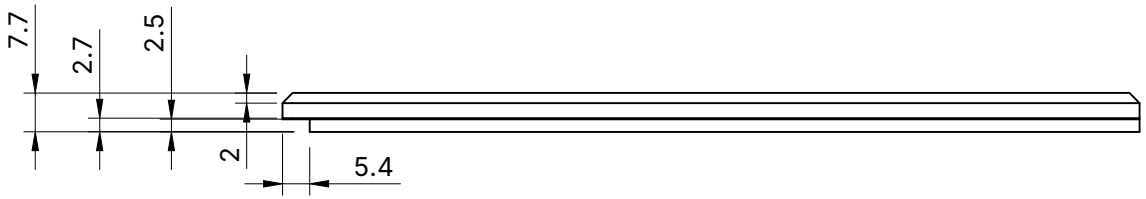
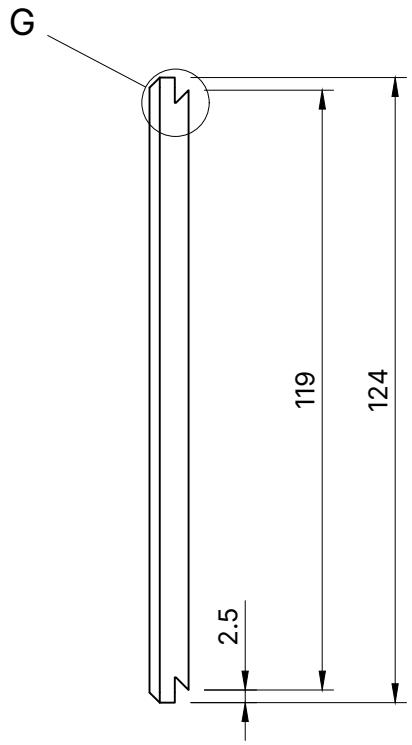
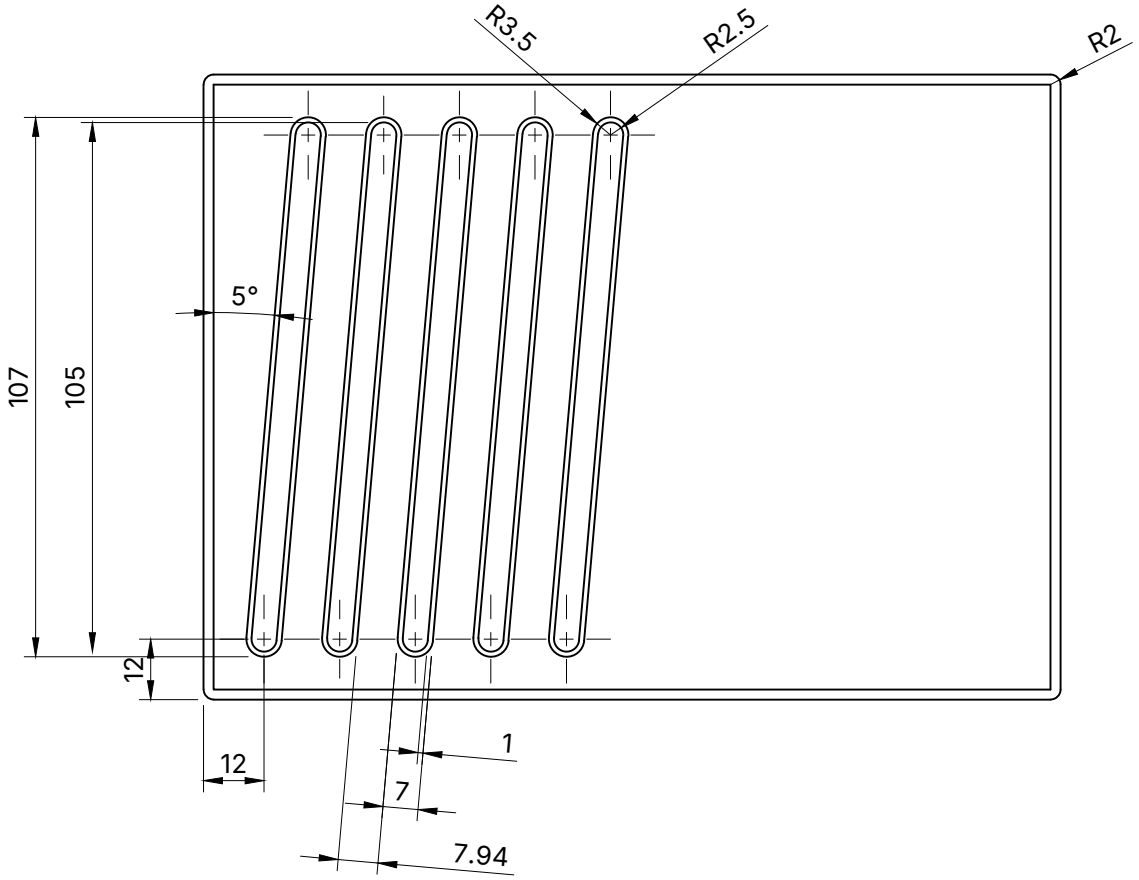
Note: all dimensions are in mm

Enclosure Dimensions: Lid









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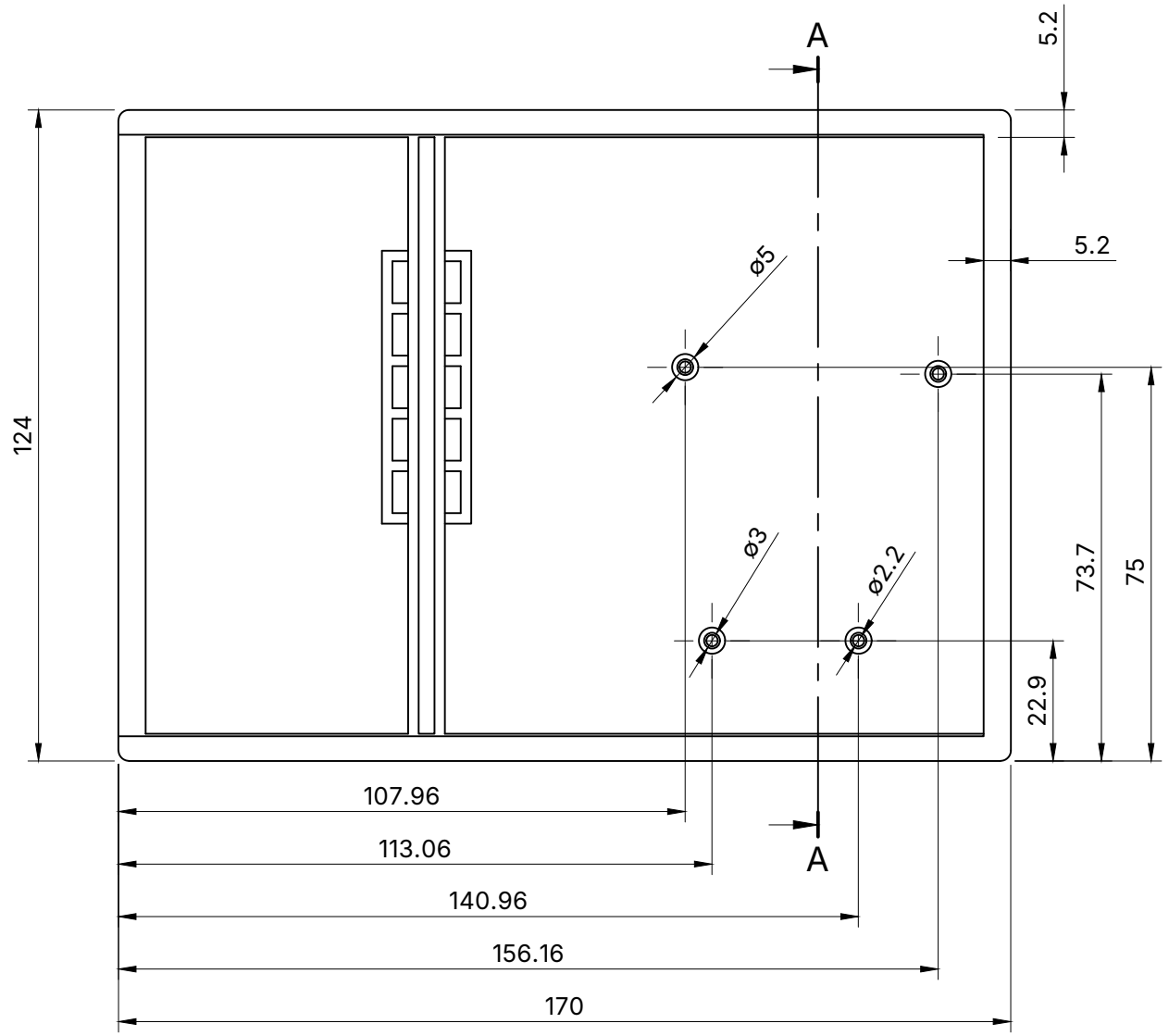
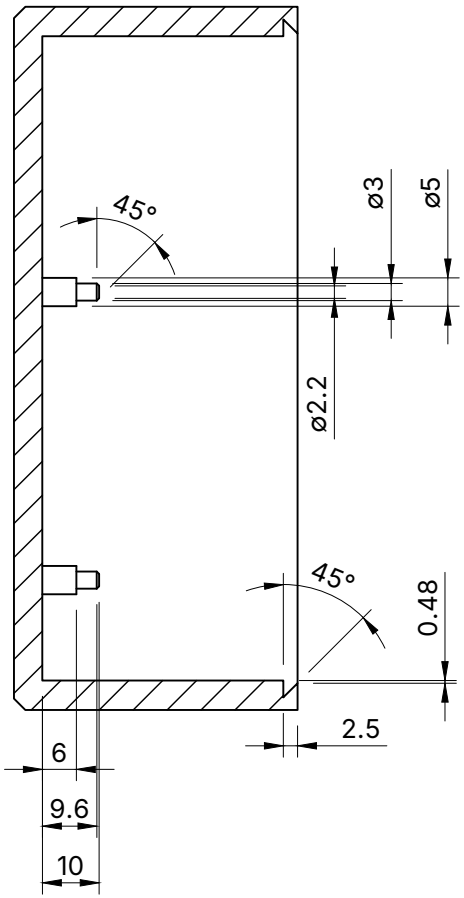
Enclosure: Arduino Mounting Points



A-A (0.75:1)



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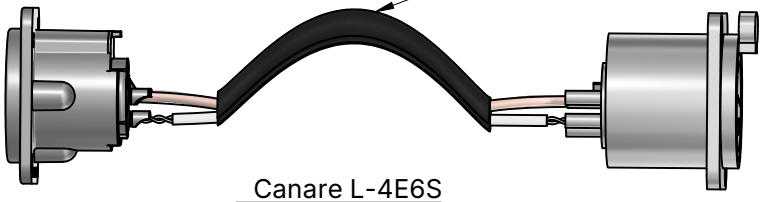
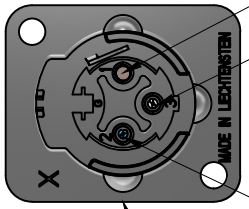
Audio and Power Wiring

D-D (0.75:1)

Note: use at least 100mm of the XLR cable



B-B (1)



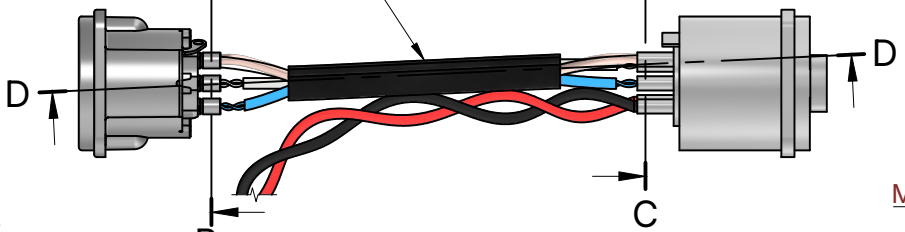
XLR Shield

XLR Cold

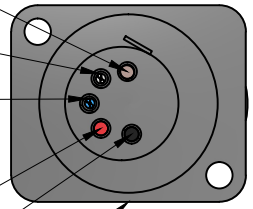
XLR Hot

Neutrik NC3MD-S-1-B

Canare L-4E6S



C-C (1)



XLR Shield

XLR Hot

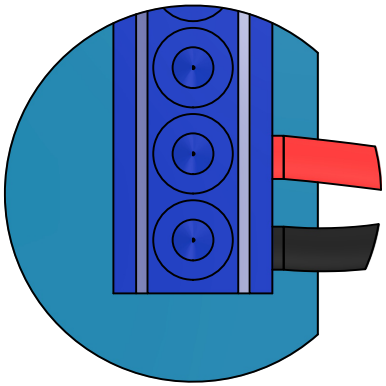
XLR Cold

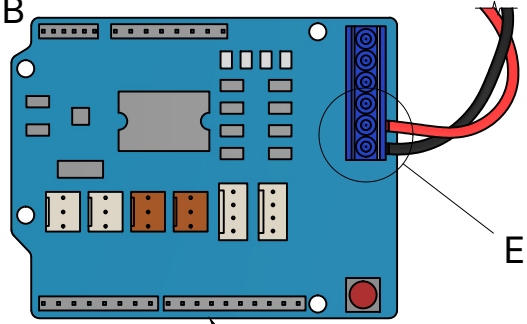
Motor Shield +

Motor Shield -

Neutrik NC5FD-LX

E (3:1)





E

Arduino Motor Shield Rev3

Audio and Power Wiring		
#	Qty	Part Name
1	1	Neutrik NC5FD-LX
2	1	Neutrik NC3MD-S-1-B
3	1	Canare L-4E6S
4	1	Arduino Motor Shield Rev3

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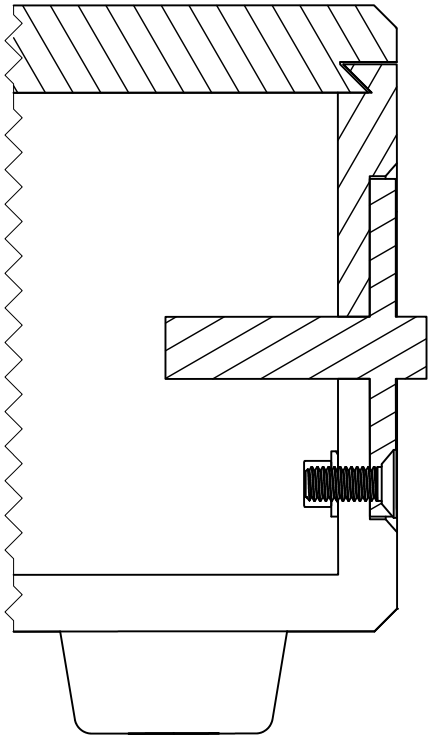
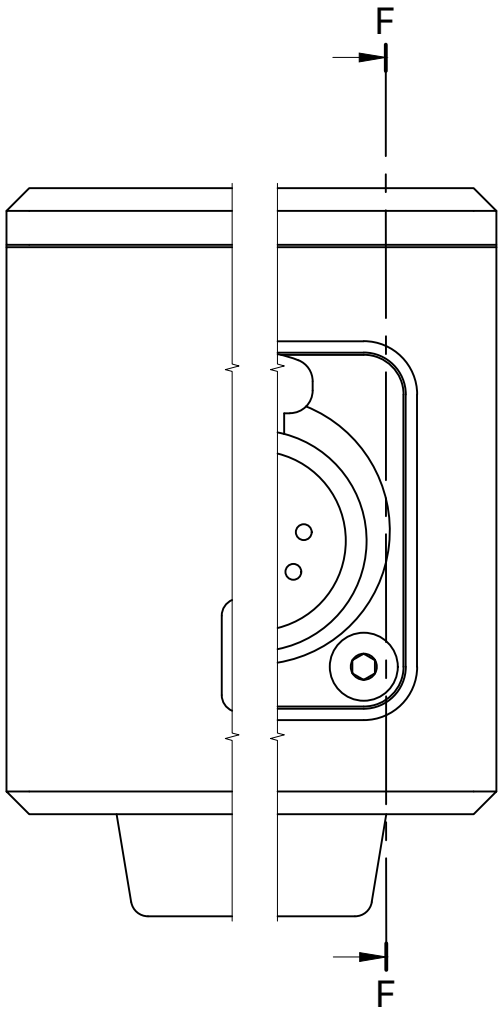
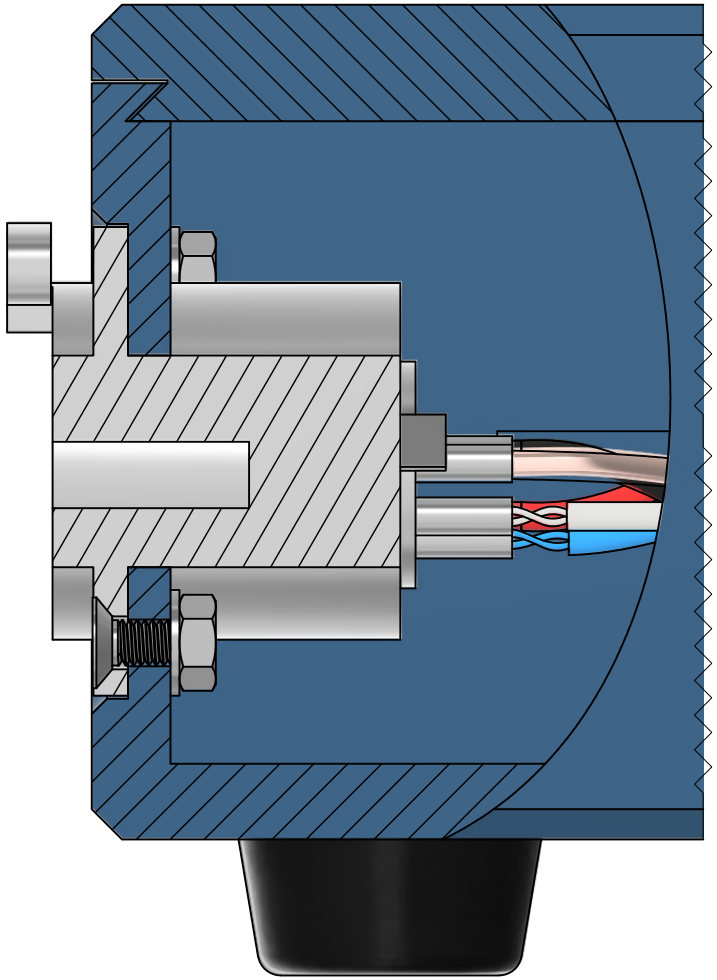
Fasteners

F-F (1.5:1)







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