



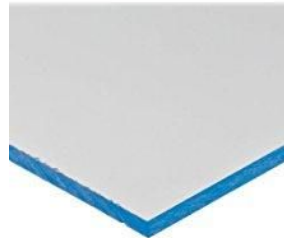
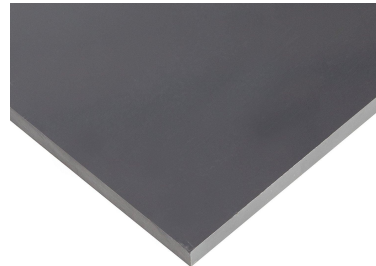
## Caveatron Bill of Materials – 4m LIDAR Module

**Date: 2017-09-05**

[illegible]



Item	Qty	Manufacturer	Mfr. P/N	Description	Suggested Vendor Link	Photo
LIDAR Rail Mounts	1	Weaver	49819	0.22 Caliber 1-inch Tip-Off Rings	<a href="#">Amazon</a>	
<b>Notes:</b> <i>Parts for making the rail mounts.</i> The top ring portion is cut off making a flat top and two threaded holes are machined into each ring base for attachment to bottom of LIDAR module enclosure.						
LIDAR Interface Jack	1	Conxall/ Switchcraft	16982-6P G-522	Micro-Con-X 6 Position Circular Connector Plug, Male Pins Solder Cup Gold	<a href="#">Digikey</a>	
<b>Notes:</b> <i>Jack for LIDAR interface cable.</i> Available from multiple vendors.						

Item	Qty	Manufacturer	Mfr. P/N	Description	Suggested Vendor Link	Photo
Window Material	1	Small Parts	5064981212	Acrylic Sheet, Transparent Clear, 0.06" Thickness, 12" Width, 12" Length	<a href="#">Amazon</a>	
<b>Notes:</b> <i>Transparent acrylic sheet for Rangefinder window on Main Body and LIDAR windows on LIDAR Module.</i> Requires cutting to size. Acrylic seems to be the most transparent with the least distortion and defects of the various clear plastics tested ,which is important for not interfering with the LIDAR and rangefinder readings.						
Plastic Base Material	1	Small Parts	STPVC-0093-F	PVC Sheet, Opaque Gray, 0.093" Thickness, 12" Width, 24" Length	<a href="#">Amazon</a>	
<b>Notes:</b> <i>Plastic sheet for mounting internal components in Main Body Enclosure and LIDAR Enclosure.</i> Requires cutting to size and drilling mounting holes.						
Assorted Fastener Hardware: Screws, Washers, and Nuts						
<b>Notes:</b> <i>For assembly.</i> Several sizes of standard hardware required. To be detailed in assembly instructions.						
Assorted Electrical Hardware: Wire and JST Connectors.						
<b>Notes:</b> <i>For electrical interconnections between boards.</i> To be detailed in assembly instructions.						