


Caveatron Bill of Materials – 25m LIDAR Module

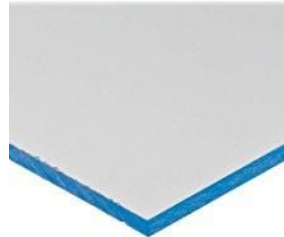

Date: 2017-09-07

Item	Qty	Manufacturer	Mfr. P/N	Description	Suggested Vendor Link	Photo
LIDAR	1	Scanse	N/A	Sweep	Sparkfun	

Notes: *Scanning LIDAR sensor.* Operates on 5V so separate voltage regulator not required. Also available from RobotShop and Acroname.

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Window Material	1	Small Parts	50649812 12	Acrylic Sheet, Transparent Clear, 0.06" Thickness, 12" Width, 12" Length	Amazon	
Notes: <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-00 93-F	PVC Sheet, Opaque Gray, 0.093" Thickness, 12" Width, 24" Length	Amazon	
Notes: <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						
Notes: <i>For assembly.</i> Several sizes of standard hardware required. To be detailed in assembly instructions.						
Assorted Electrical Hardware: Wire and JST Connectors.						
Notes: <i>For electrical interconnections between boards.</i> To be detailed in assembly instructions.						