

Components for optical lick detector				Quantity	Website					
Plastic Quick-Disconnect Tube Coupling for Air and Water				1	<a href="https://www.mcmaster.com/5012k114">https://www.mcmaster.com/5012k114</a>					
4 Feet Long Tube for T-Slotted Framing				1	<a href="https://www.mcmaster.com/47065t208">https://www.mcmaster.com/47065t208</a>					
Silver Tube Holder: Rail-to-Tube				2	<a href="https://www.mcmaster.com/47065t37">https://www.mcmaster.com/47065t37</a>					
Silver Tube Holder: Adjustable Rail-to-Tube				1	<a href="https://www.mcmaster.com/47065t41">https://www.mcmaster.com/47065t41</a>					
Clamping Shaft Collar for 1" Diameter, 303 Stainless Steel				1	<a href="https://www.mcmaster.com/6435k38">https://www.mcmaster.com/6435k38</a>					
Right-Angle Ø1" to Ø1/2" Post Clamp				1	<a href="https://www.thorlabs.com/thorproduct.cfm?partnumber=RA90RS">https://www.thorlabs.com/thorproduct.cfm?partnumber=RA90RS</a>					
Ø1/2" (Ø12.7 mm) Non-Magnetic, Low-Reflectivity Aluminum Posts				*	<a href="https://www.thorlabs.com/newgrouppage9.cfm?objectgroup_id=1266">https://www.thorlabs.com/newgrouppage9.cfm?objectgroup_id=1266</a>					
SWC Rotating Clamp for Ø1/2" Posts, 360° Continuously Adjustable				1	<a href="https://www.thorlabs.com/thorproduct.cfm?partnumber=SWC">https://www.thorlabs.com/thorproduct.cfm?partnumber=SWC</a>					
Optical Sensor Transmissive 0.900" (22.86mm) Phototransistor Slotted Module, 4-Lead Dual Row				1	<a href="https://www.digikey.com/product-detail/en/tt-electronics-optek-technology/OPB315WZ/365-1629-ND/2201813">https://www.digikey.com/product-detail/en/tt-electronics-optek-technology/OPB315WZ/365-1629-ND/2201813</a>					
Smooth-Bore Seamless 316 Stainless Steel Tubing 1/8" OD, 0.02" Wall Thickness				1	<a href="https://www.mcmaster.com/89785k811">https://www.mcmaster.com/89785k811</a>					
Structural support for mounting detector, e.g. 80/20 and brackets										
*Length of optical post will depend on individual rig specifications (available in lengths from 0.75"-6")										
<b>Components for PCB</b>										
Screw Terminals 3.5mm Pitch (2-Pin)				<b>Quantity</b>	<b>Website</b>					
BNC Connector - Right Angle				4	<a href="https://www.sparkfun.com/products/8084">https://www.sparkfun.com/products/8084</a>					
5V Regulator				1	<a href="https://www.sparkfun.com/products/10550">https://www.sparkfun.com/products/10550</a>					
				1	<a href="https://www.digikey.com/product-detail/en/microchip-technology/MIC5200-4.8YS-TR/MIC5200-4.8YS-CT-ND/9643121">https://www.digikey.com/product-detail/en/microchip-technology/MIC5200-4.8YS-TR/MIC5200-4.8YS-CT-ND/9643121</a>					