BILL OF MATERIALS

Part No. Legend						
10-XXXX						
20-XXXX						
	Electronics					
40-XXXX	3D Print					
50-XXXX	Waterproofing					
	Fasteners					
70-XXXX	Others					

Project Name: Open-Source Underwater ROV

Contributors:

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Gaurav Jeandani
Richard Lauwrence

Supervised by:

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HKUST Robotics Institute
The Hong Kong University of Science and Technology

10-0001	Part No.	1	2	3	Component Name	Qty	Description
Section Sect			_				Description
1.	20-0006		•			1	
30-0022			•				
						_	
Secretaria							
29-0008						_	
25-0010	50-0056		•		Core Endcap (Male)	2	
20-0011						_	
20-0013						_	
1							
Second							
So-0661	50-0059			•	O-Ring (OD75 x 5mm)	_	
50.0662						_	
10-0002			_	•			
1			•		,	_	Cut short
1			•				
1			•			1	
30-0019 Serve and Housing 1 1 1 1 1 1 1 1 1							
30-0019			_				
30-0025						_	
40-0035			_	•			
40-0036				•			
40-0037						1	
60-0072							
Fig.							
Section Sect							
20-0009			•			_	
20-0013				•			
30-0015	20-0010			•		2	
So-0059						_	
So-0062							
So-0058 Motor Endage (Male) 1							Cut chart
Page				•		_	Cut short
20-0010				•			
20-0013				•		1	
20-0014							
1							
40-0038							
10-0039				•			
S0-0063			_				
30-0026							
30-0027			•				
1						_	
40-0040							
40-0042						_	
40-0042						_	
60-0066 • ISO 4762 M3 x 8 4 Self-Tapping; substitutable with normal thread 60-0068 • ISO 4762 M3 x 18 4 Self-Tapping; substitutable with normal thread 40-0043 • U-Joint Housing Top 1 40-0044 • U-Joint Housing Bottom 1 40-0045 • U-Joint Housing Lock 2 60-0065 • ISO 4762 M3 x 6 16 Self-Tapping; substitutable with normal thread 60-0066 • ISO 4762 M3 x 16 8 Self-Tapping; substitutable with normal thread 60-0067 • ISO 4762 M3 x 16 8 Self-Tapping; substitutable with normal thread 60-0071 • ISO 4762 M3 x 30 · 10N 8 Self-Tapping; substitutable with normal thread 10-0003 • Timing Belt Module 2 40-0046 • Timing Belt Cover A 2 40-0047 • Timing Belt Cover B 2 70-0078 • Timing Belt Clamp (Female) 1 40-0049 • Timing Belt Clamp (Male) 1 40-0049 • Timing Belt Clamp (Male) 1 60-0065 • ISO 4762 M3 x 8 4 Self-Tapping; substitutable with normal thread 60-0070 • ISO 4762 M3 x 0 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
GO-0068				•			
40-0043				•		_	
40-0044				•			Seir-Tapping; substitutable with normal thread
40-0045 • U-Joint Housing Lock 2			_				
GO-0065							
G0-0066	60-0065				ISO 4762 M3 x 6		Self-Tapping; substitutable with normal thread
G0-0071						6	Self-Tapping; substitutable with normal thread
10-0003							
40-0046 • Timing Belt Cover A 2			•			_	Seil-Tapping; substitutable with normal thread
40-0047		•					
Timing Belt GT2, 6mm x 550mm 1							
40-0048							
G0-0065 • ISO 4762 M3 x 6	40-0048				Timing Belt Clamp (Female)		
60-0066 • ISO 4762 M3 x 8 4 Self-Tapping; substitutable with normal thread 60-0070 • ISO 4762 M3 x 30 1 60-0073 • ISO 4032 M3 1 10-0004 • Peripheral Module 2 30-0021 • Waterproofed Camera 1 30-0028 • Sony IMX322 CMOS USB Camera 1 40-0050 • Camera Housing 1 20-0016 • Camera Acrylic Cover 1 40-0051 • Peripheral Module Housing 1 20-0017 • Acrylic Spacer for Peripheral Module 7 60-0069 • ISO 4762 M3 x 20 4						_	G IST
60-0070							
60-0073 • ISO 4032 M3 1 10-0004 • Peripheral Module 2 30-0021 • Waterproofed Camera 1 30-0028 • Sony IMX322 CMOS USB Camera 1 40-0050 • Camera Housing 1 20-0016 • Camera Acrylic Cover 1 40-0051 • Peripheral Module Housing 1 20-0017 • Acrylic Spacer for Peripheral Module 7 60-0069 • ISO 4762 M3 x 20 4						_	Sen-rapping; substitutable with normal thread
10-0004 • Peripheral Module 2							
30-0021 • Waterproofed Camera 1		•					
40-0050 • Camera Housing 1 20-0016 • Camera Acrylic Cover 1 40-0051 • Peripheral Module Housing 1 20-0017 • Acrylic Spacer for Peripheral Module 7 60-0069 • ISO 4762 M3 x 20 4	30-0021		•		Waterproofed Camera		
20-0016 • Camera Acrylic Cover 1 40-0051 • Peripheral Module Housing 1 20-0017 • Acrylic Spacer for Peripheral Module 7 60-0069 • ISO 4762 M3 x 20 4							
40-0051 • Peripheral Module Housing 1 20-0017 • Acrylic Spacer for Peripheral Module 7 60-0069 • ISO 4762 M3 x 20 4							
20-0017 • Acrylic Spacer for Peripheral Module 7 60-0069 • ISO 4762 M3 x 20 4				•			
60-0069 • ISO 4762 M3 x 20 4						_	
		•				_	

30-0029	•	Push Button	2	
30-0030	•	Joystick	1	
30-0023	•	Arduino UNO R3	1	
30-0024	•	Arduino 9-Axis Motion Shield	1	
40-0052	•	Handle (Left)	1	
40-0053	•	Handle (Right)	1	
40-0054	•	Base	1	
40-0055	•	Bottom Lid	1	