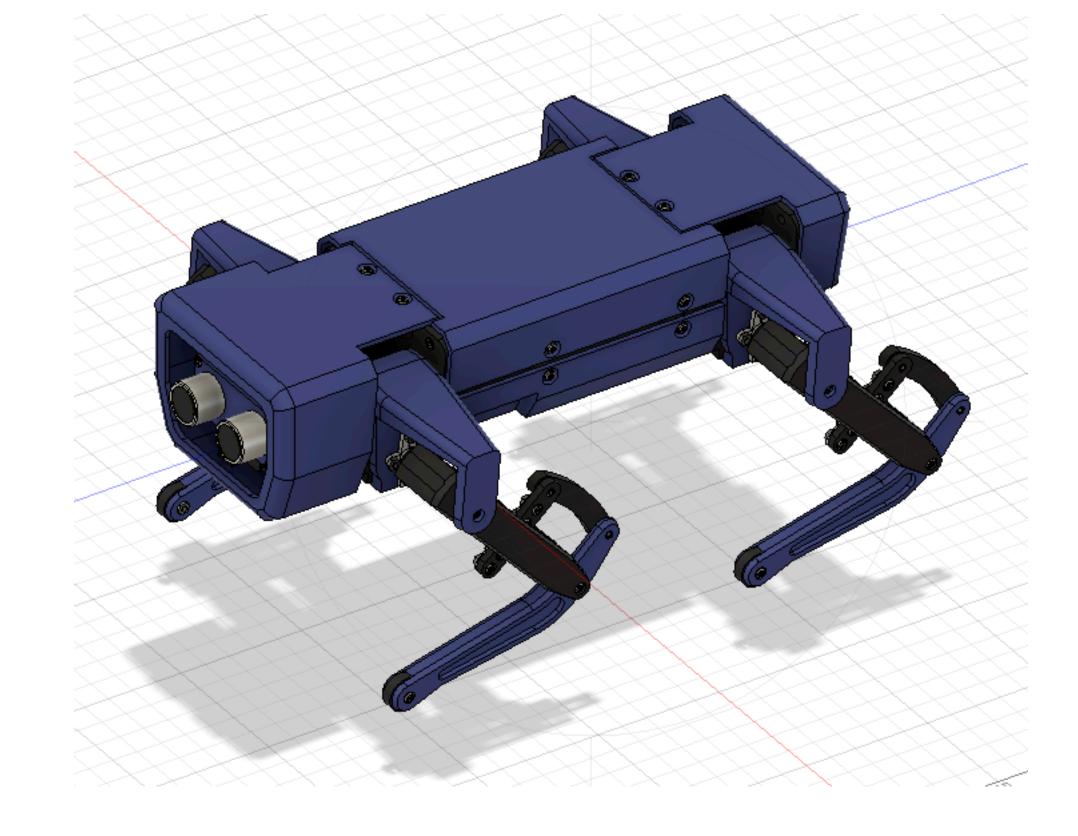
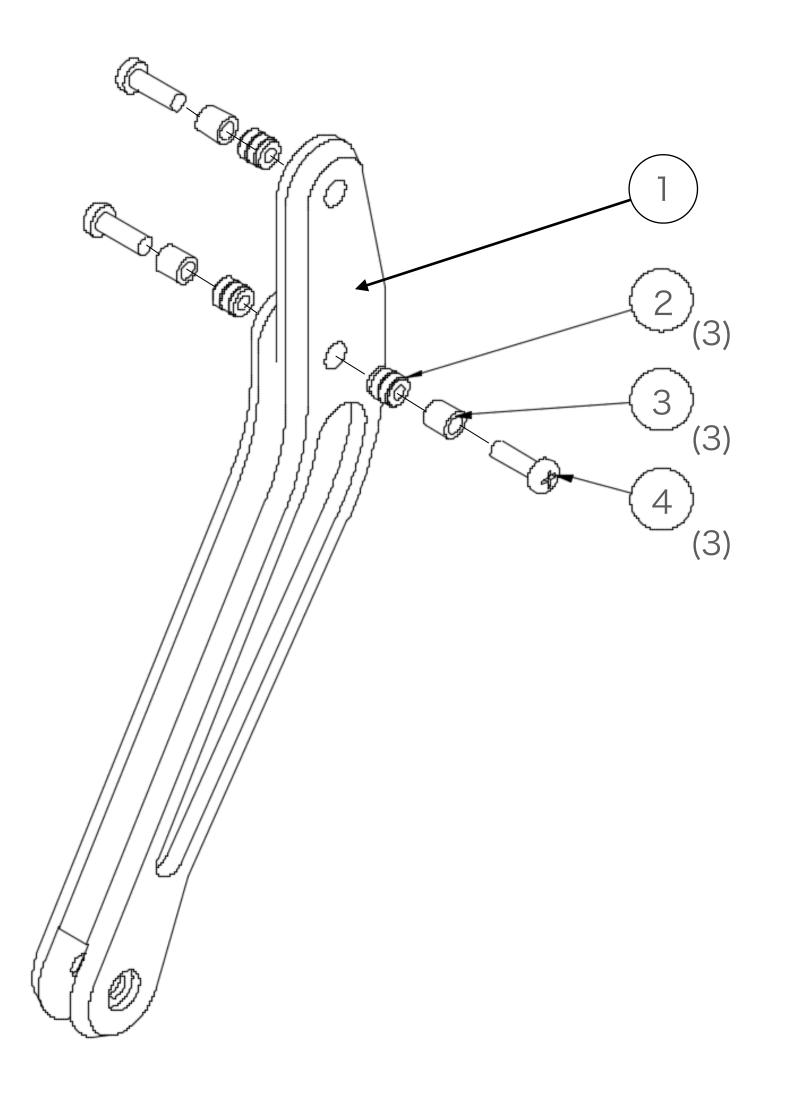
# NX15 Quadruped Robot

Assembly materials



Robo Takao 17.July.2021

### Leg Bottom (Left hand) x2



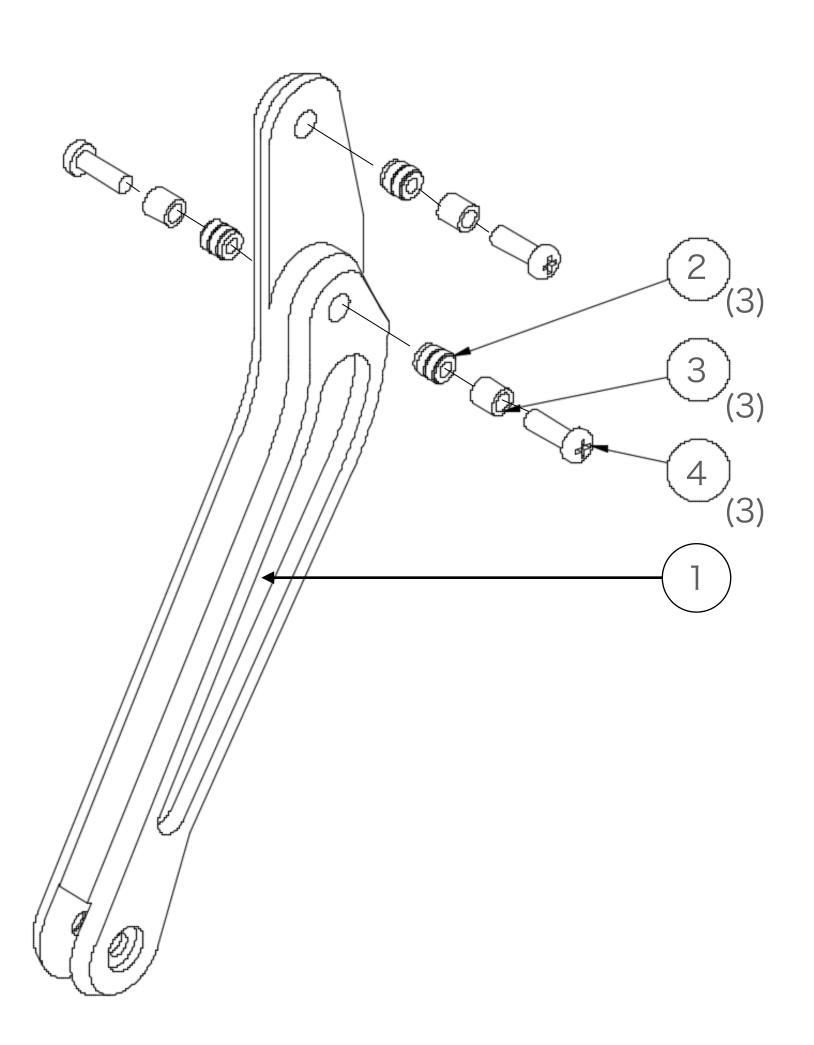
Insert Nut maust be pressed-fit by heat. Ex)Soldering iron





	Part Name	Quantity	Material	Remark
1	Leg_part01	1	PLA	3D Printed
2	Insert Nut M2	3		M2 L3 HSB-203030 https://hirosugi.co.jp/
3	Pipe L3	3	Brass	Outer diameter 4mm / Inner diameter 3mm
4	Screw M2 L6	3		M2 L6

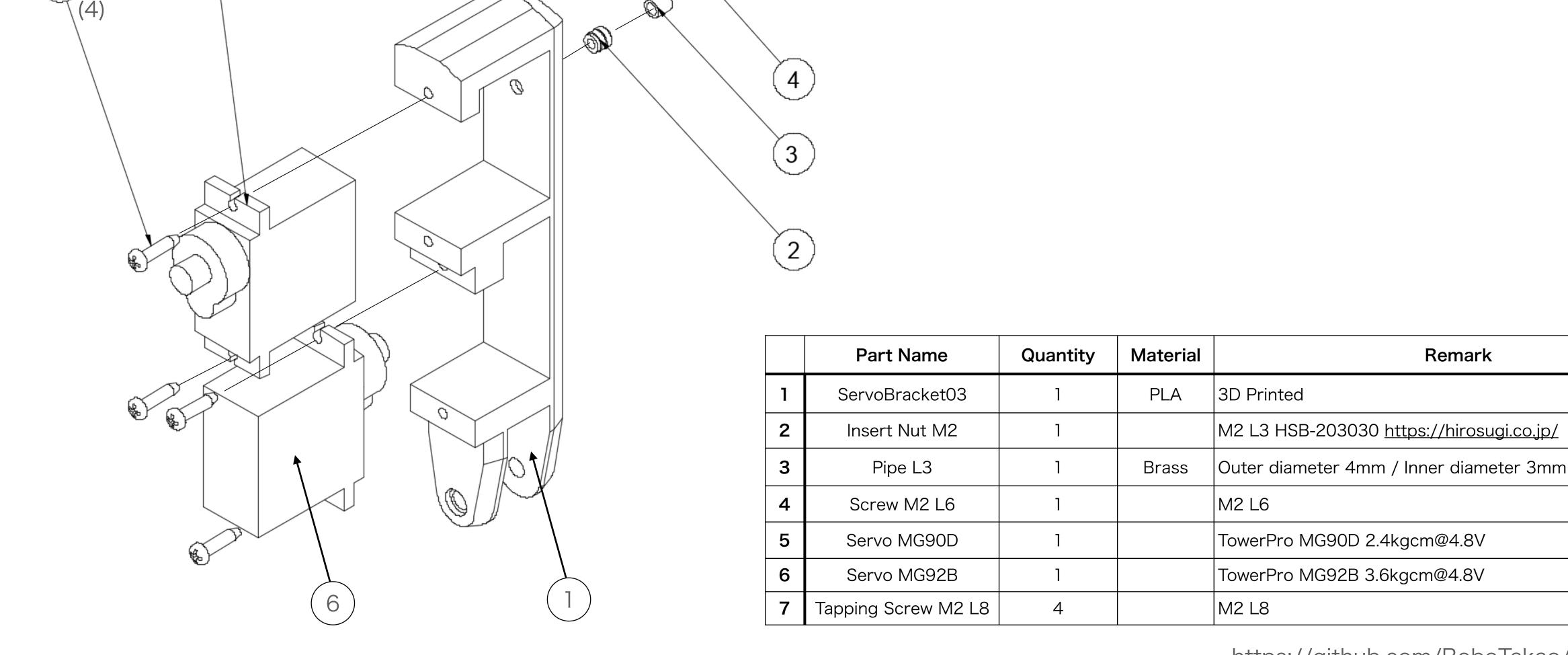
### Leg Bottom (Right hand) x2



	Part Name	Quantity	Material	Remark
1	Leg_part02	1	PLA	3D Printed
2	Insert Nut M2	3		M2 L3 HSB-203030 https://hirosugi.co.jp/
3	Pipe L3	3	Brass	Outer diameter 4mm / Inner diameter 3mm
4	Screw M2 L6	3		M2 L6

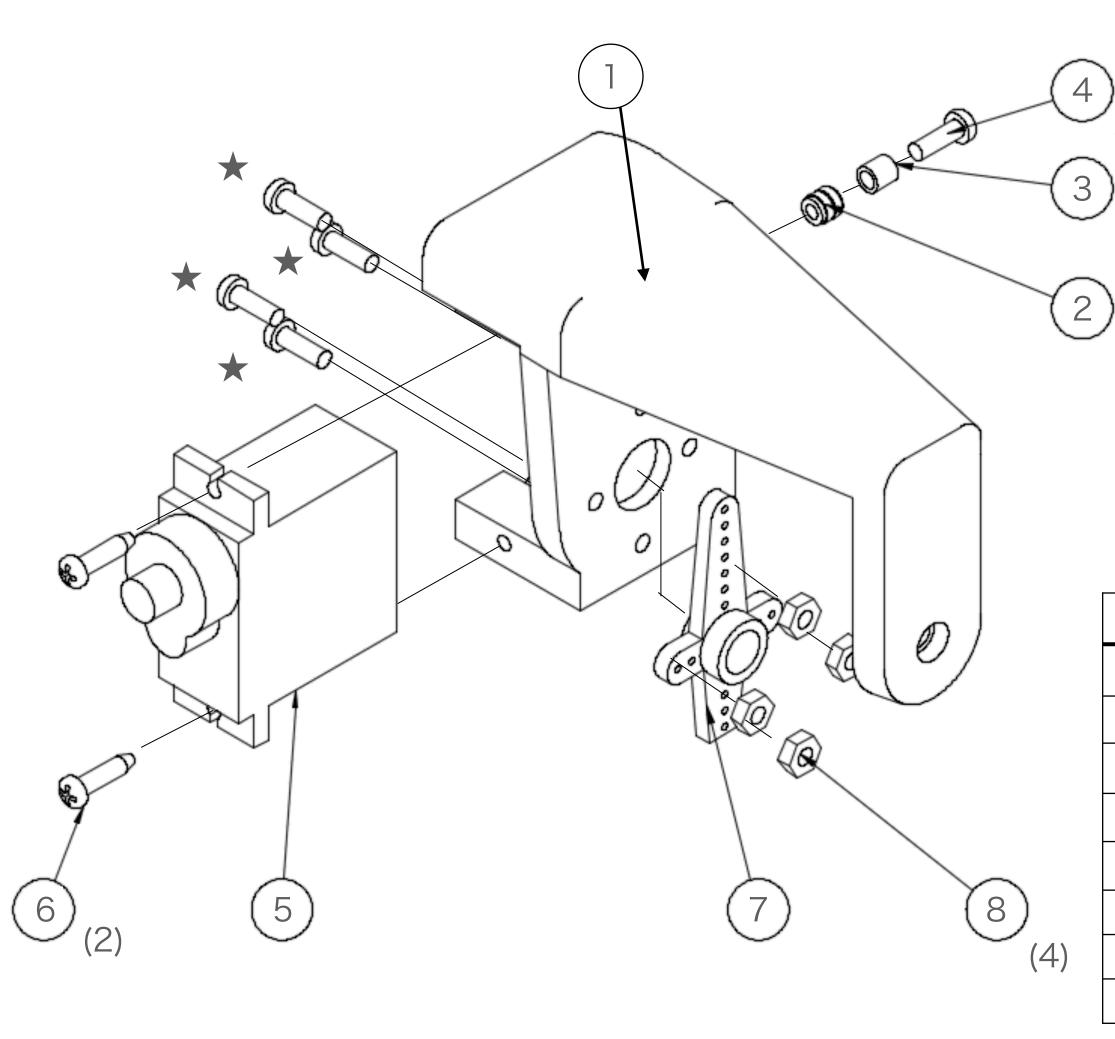
### Leg Middle x4

5



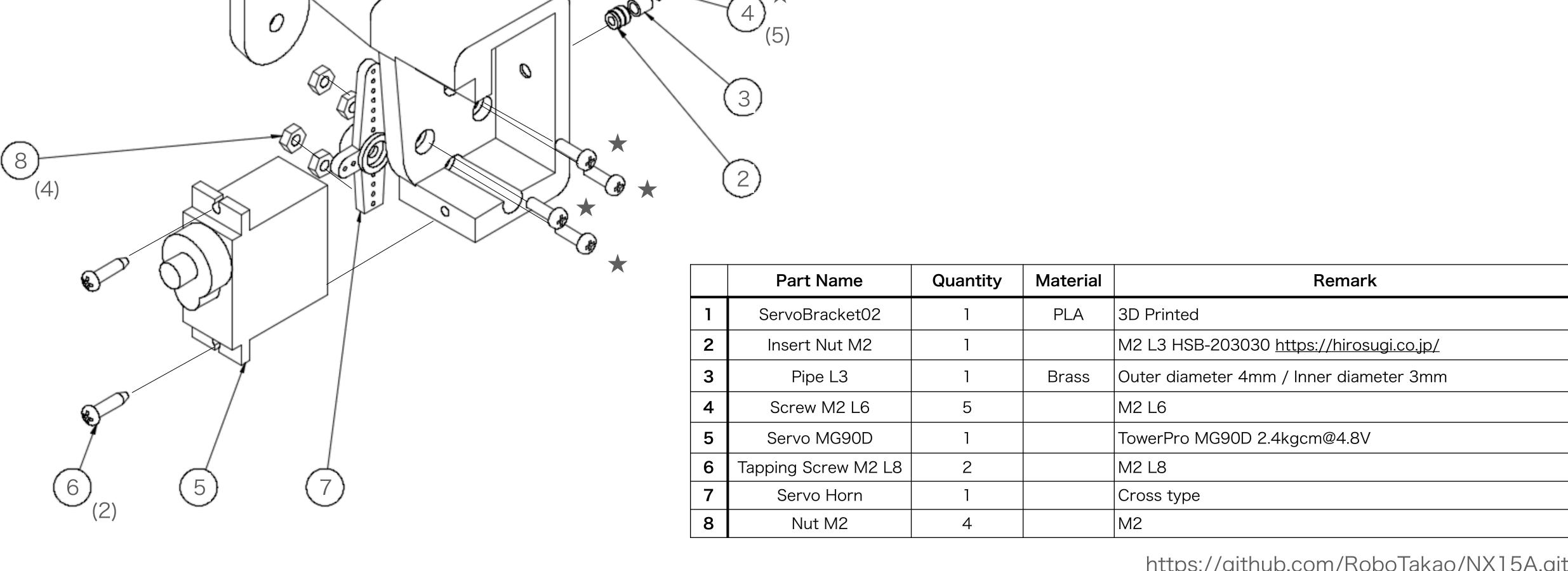
Remark

### Leg Upper (Left hand) x2

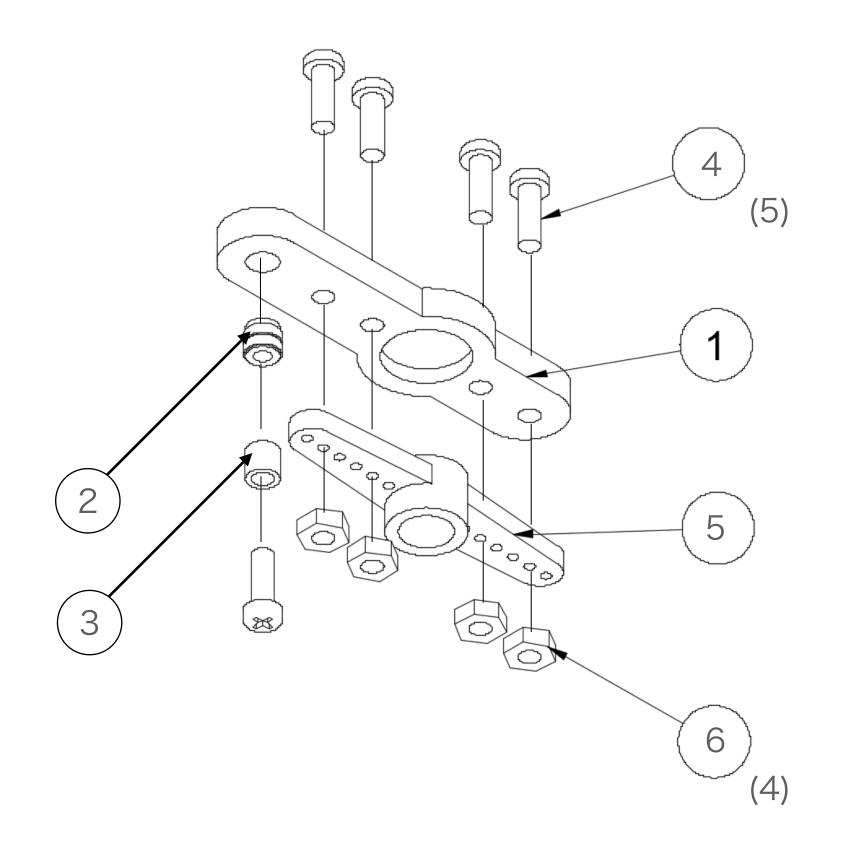


	Part Name	Quantity	Material	Remark
1	ServoBracket01	1	PLA	3D Printed
2	Insert Nut M2	1		M2 L3 HSB-203030 https://hirosugi.co.jp/
3	Pipe L3	1	Brass	Outer diameter 4mm / Inner diameter 3mm
4	Screw M2 L6	5		M2 L6
5	Servo MG90D	1		TowerPro MG90D 2.4kgcm@4.8V
6	Tapping Screw M2 L8	2		M2 L8
7	Servo Horn	1		Cross type
8	Nut M2	4		M2

### Leg Upper (Right hand) x2

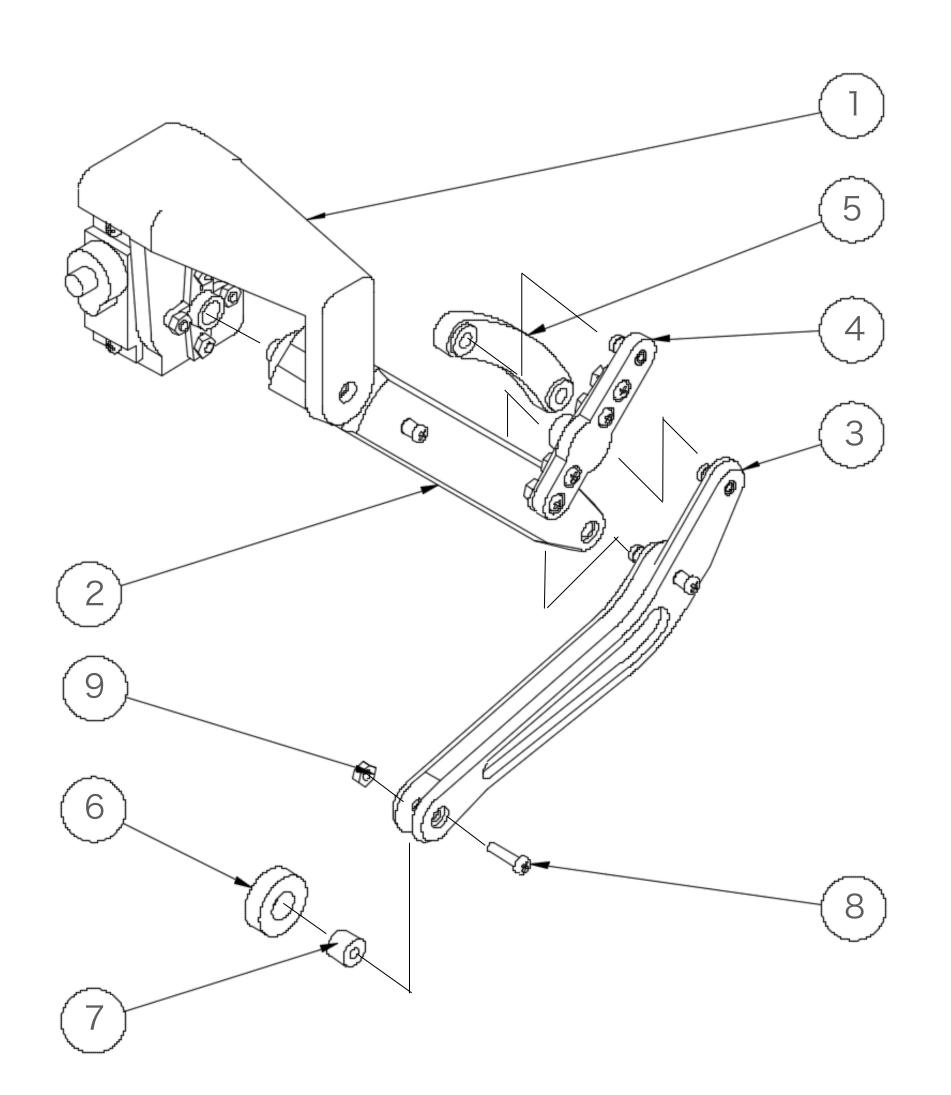


## Link Ass'y x4



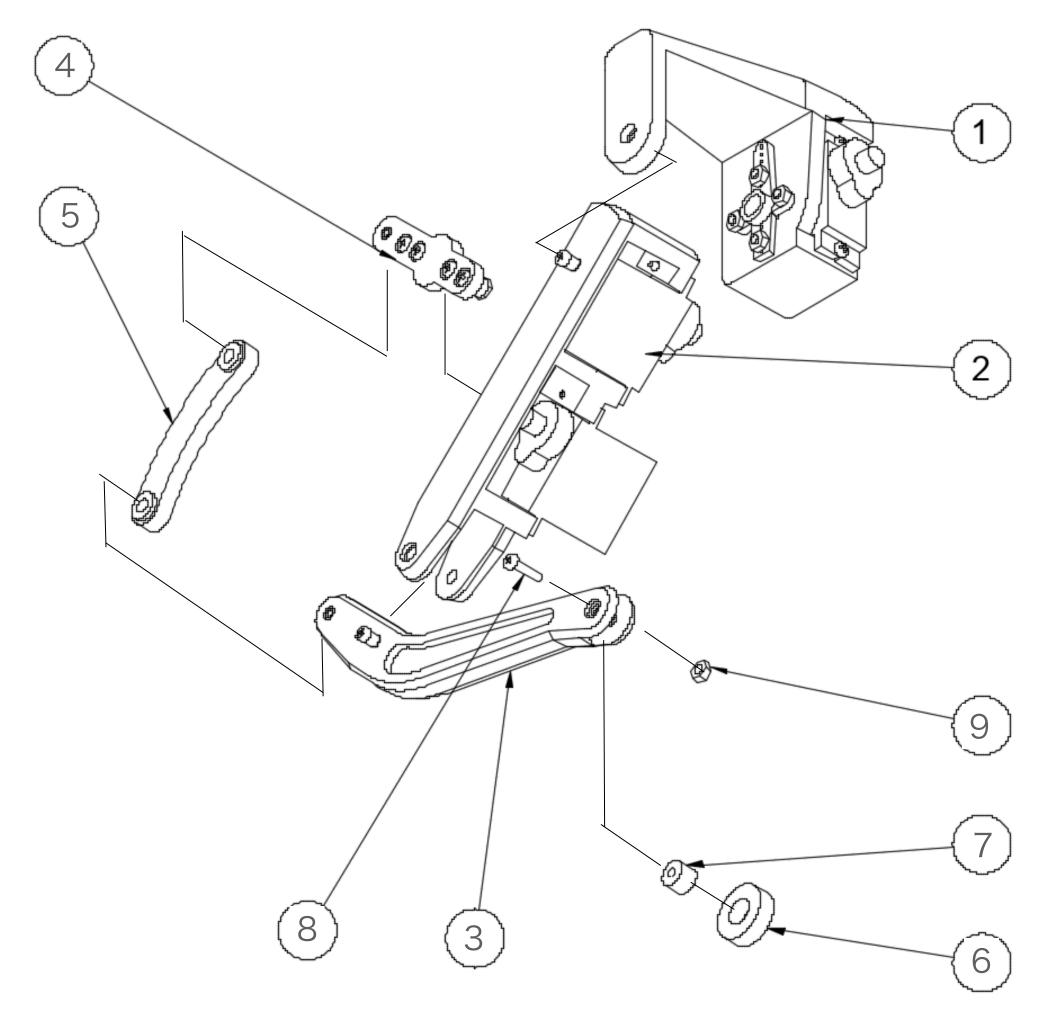
	Part Name	Quantity	Material	Remark
1	ServoHornLink	1	PLA	3D Printed
2	Insert Nut M2	1		M2 L3 HSB-203030 https://hirosugi.co.jp/
3	Pipe L3	1	Brass	Outer diameter 4mm / Inner diameter 3mm
4	Screw M2 L6	5		M2 L6
5	Servo Horn	1		
6	Nut M2	4		M2

### Leg Ass'y (Left hand) x2



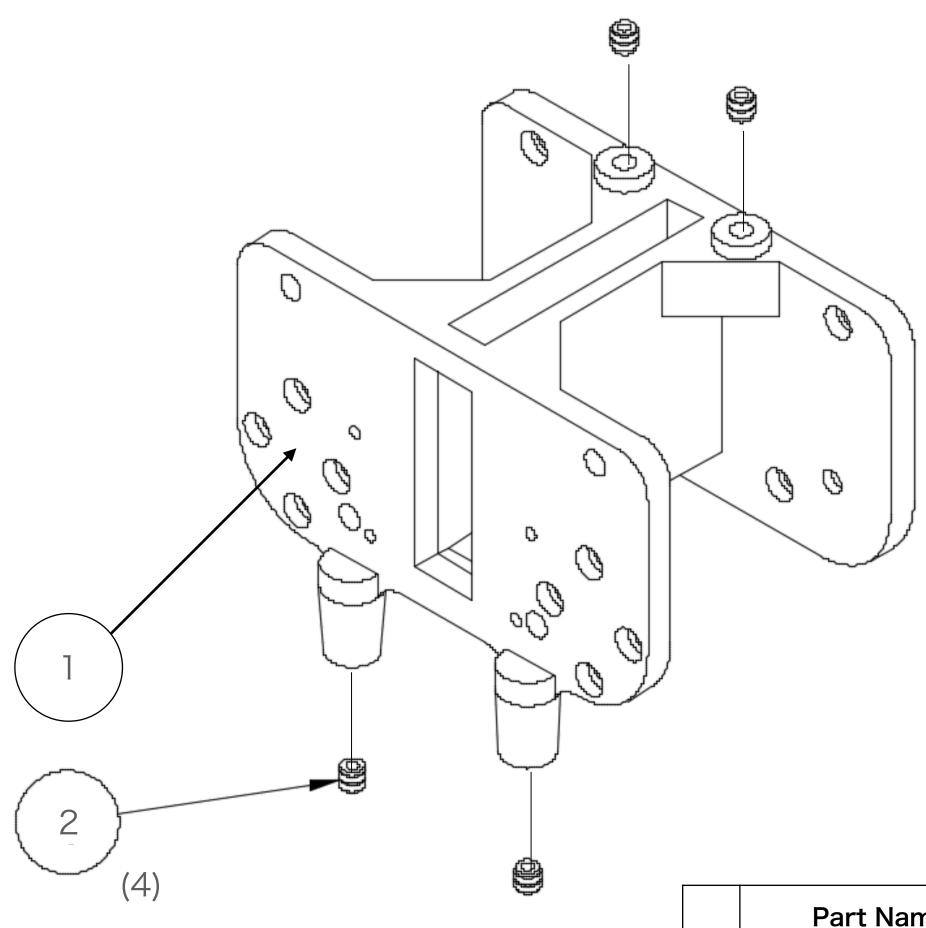
		1	T	
	Part Name	Quantity	Material	Remark
1	Leg Upper LH	1	Ass'y	
2	Leg Middle	1	Ass'y	
3	Leg Bottom LH	1	Ass'y	
4	Link Ass'Y	1	Ass'y	
5	Lever	1	PLA	3D Printed
6	Rubber	1	Rubber	Outer diameter 13mm / Inner diameter 6mm/Thickness 4mm
7	Spacer	1	PLA	3D Printed
8	Screw M2 L8	1		M2 L8
9	Nut M2	1		M2

### Leg Ass'y (Right hand) x2



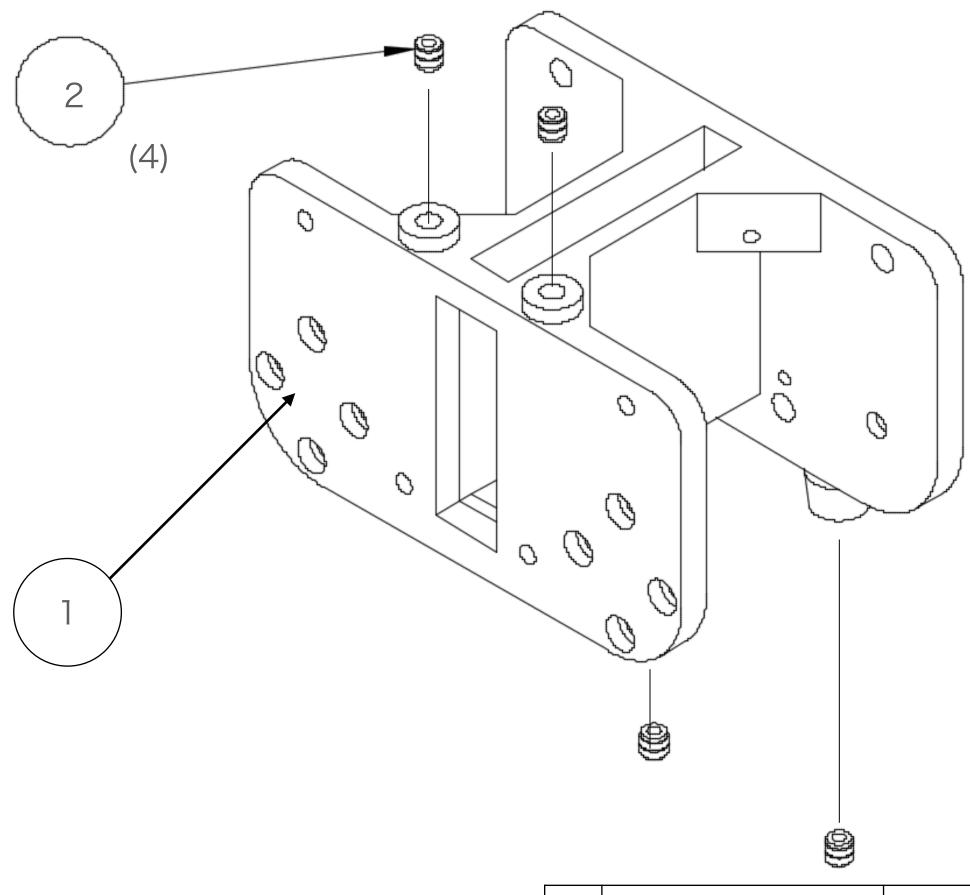
	Part Name	Quantity	Material	Remark
1	Leg Upper RH	1	Ass'y	
2	Leg Middle	1	Ass'y	
3	Leg Bottom RH	1	Ass'y	
4	Link Ass'Y	1	Ass'y	
5	Lever	1	PLA	3D Printed
6	Rubber	1	Rubber	Outer diameter 13mm / Inner diameter 6mm/Thickness 4mm
7	Spacer	1	PLA	3D Printed
8	Screw M2 L8	1		M2 L8
9	Nut M2	1		M2

#### Front Bracket



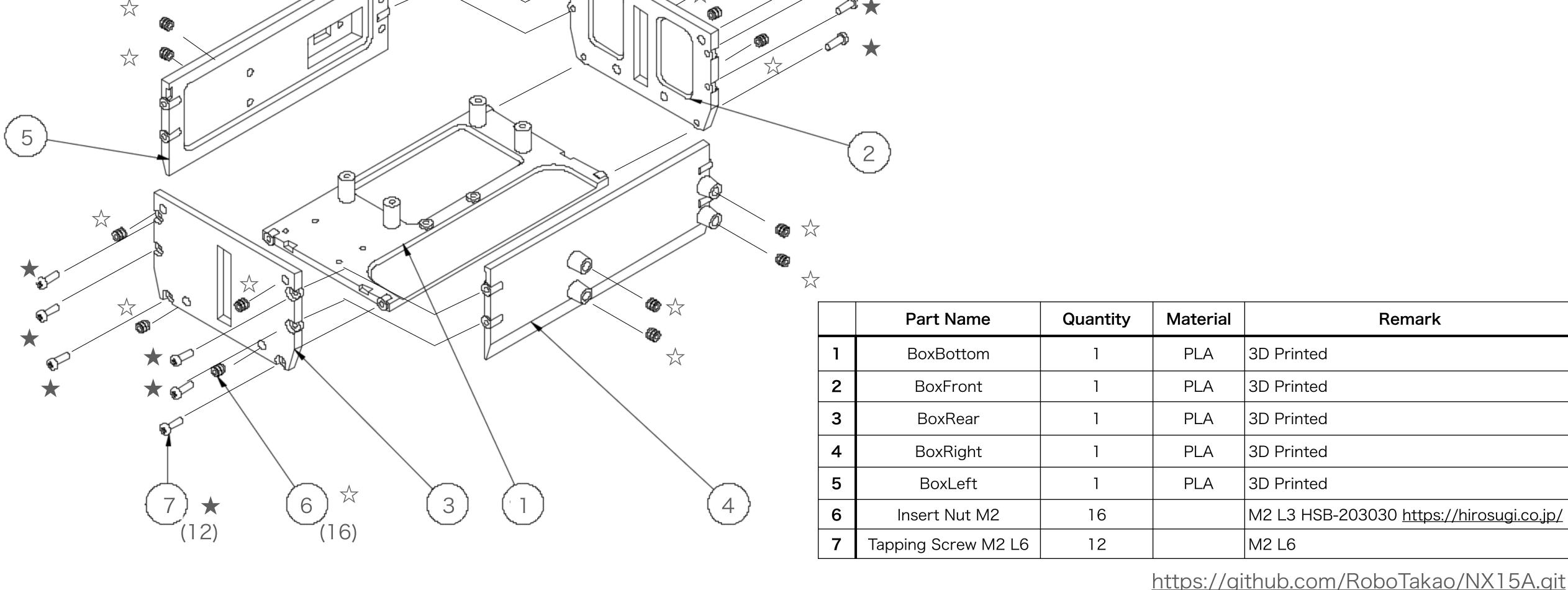
	Part Name	Quantity	Material	Remark
1	ServoBracket04	1	PLA	3D Printed
2	Insert Nut M2	4		M2 L3 HSB-203030 https://hirosugi.co.jp/

#### Rear Bracket



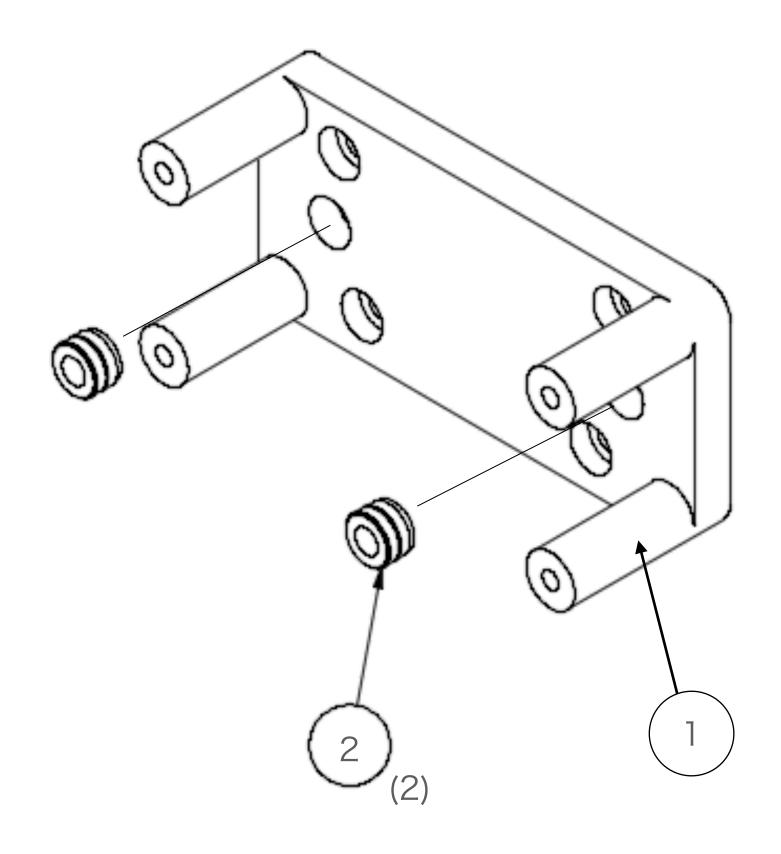
	Part Name	Quantity	Material	Remark
1	ServoBracket04	1	PLA	3D Printed
2	Insert Nut M2	4		M2 L3 HSB-203030 https://hirosugi.co.jp/

### Body Box



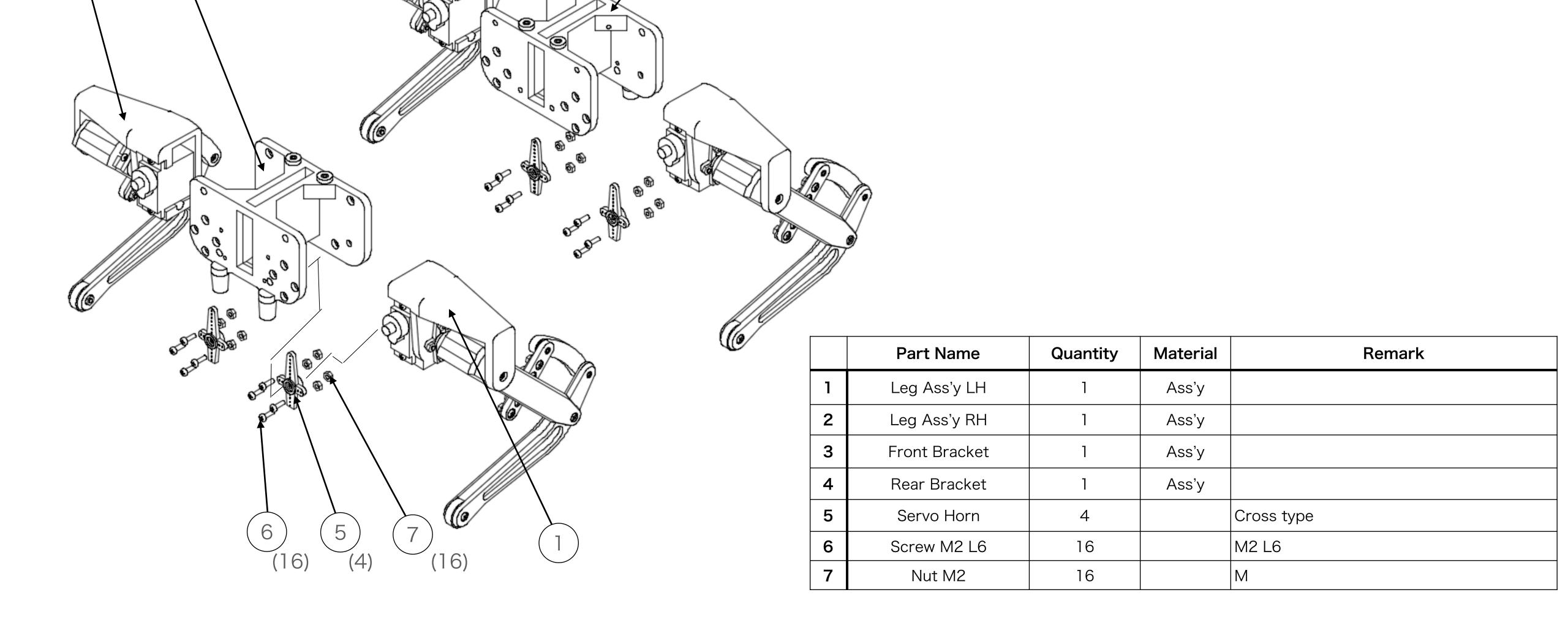
https://github.com/RoboTakao/NX15A.git

#### Sensor Brakcet

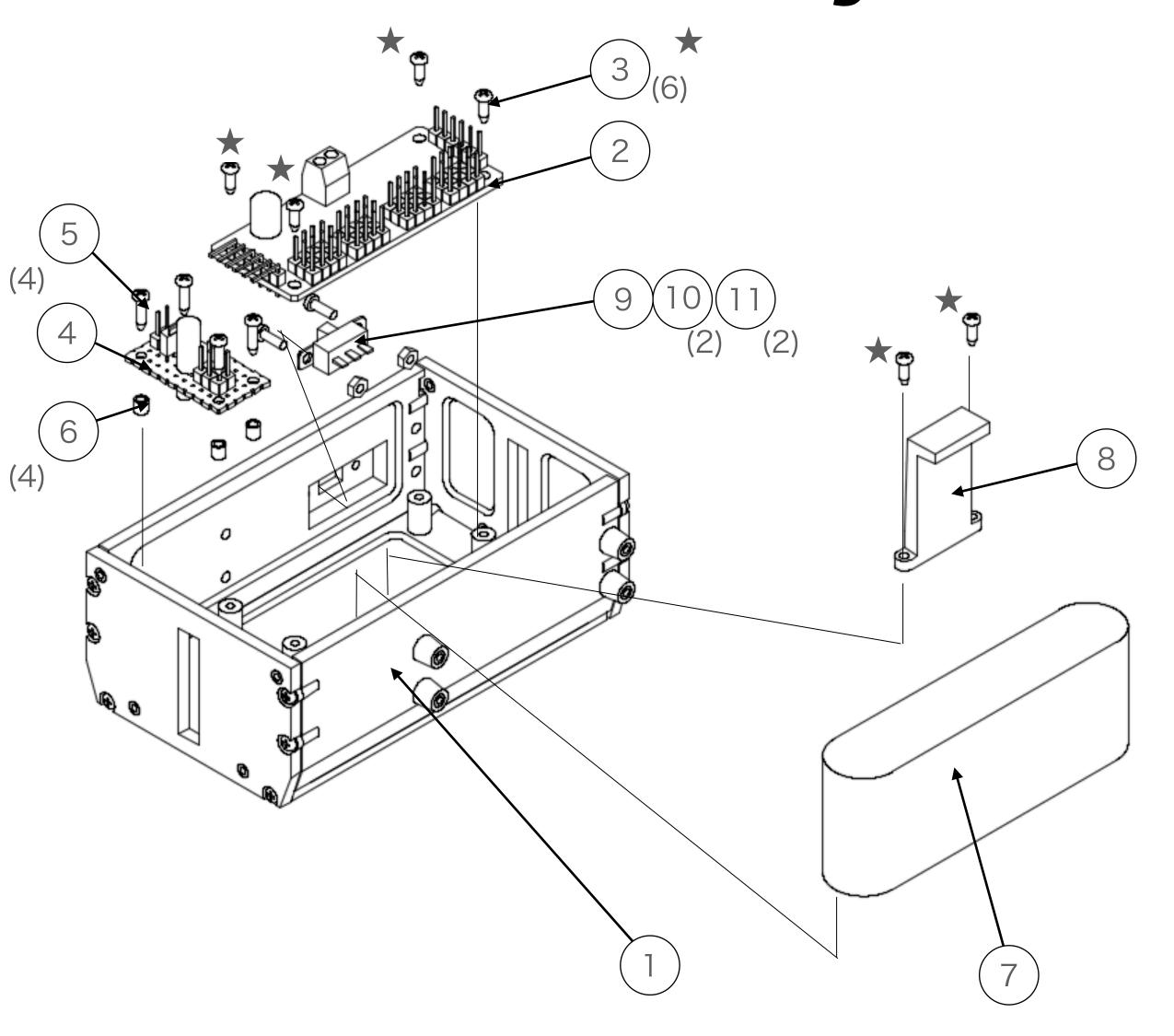


	Part Name	Quantity	Material	Remark
1	Plate01	1	PLA	3D Printed
2	Insert Nut M3	2		M3 L3 HSB-304530 https://hirosugi.co.jp/

### Leg Assemblies

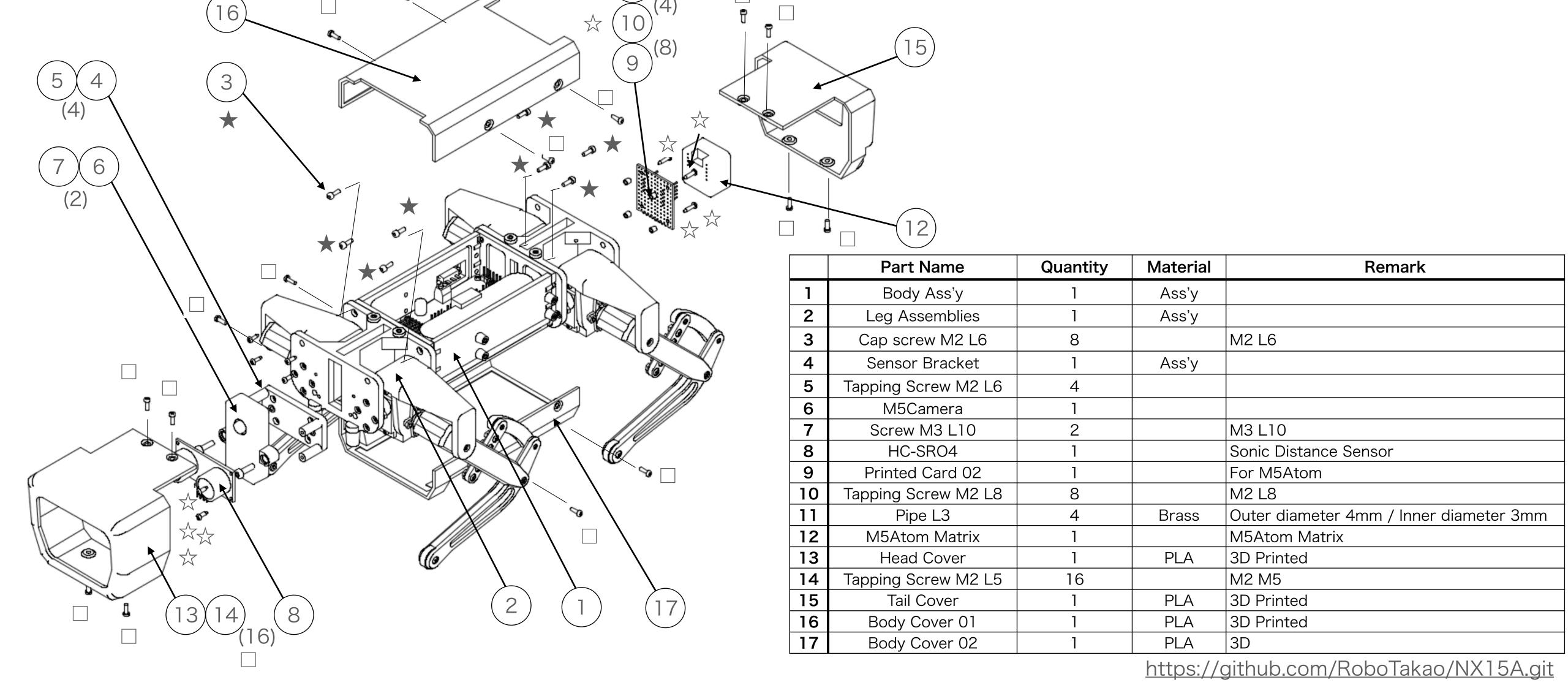


### Box Assembly

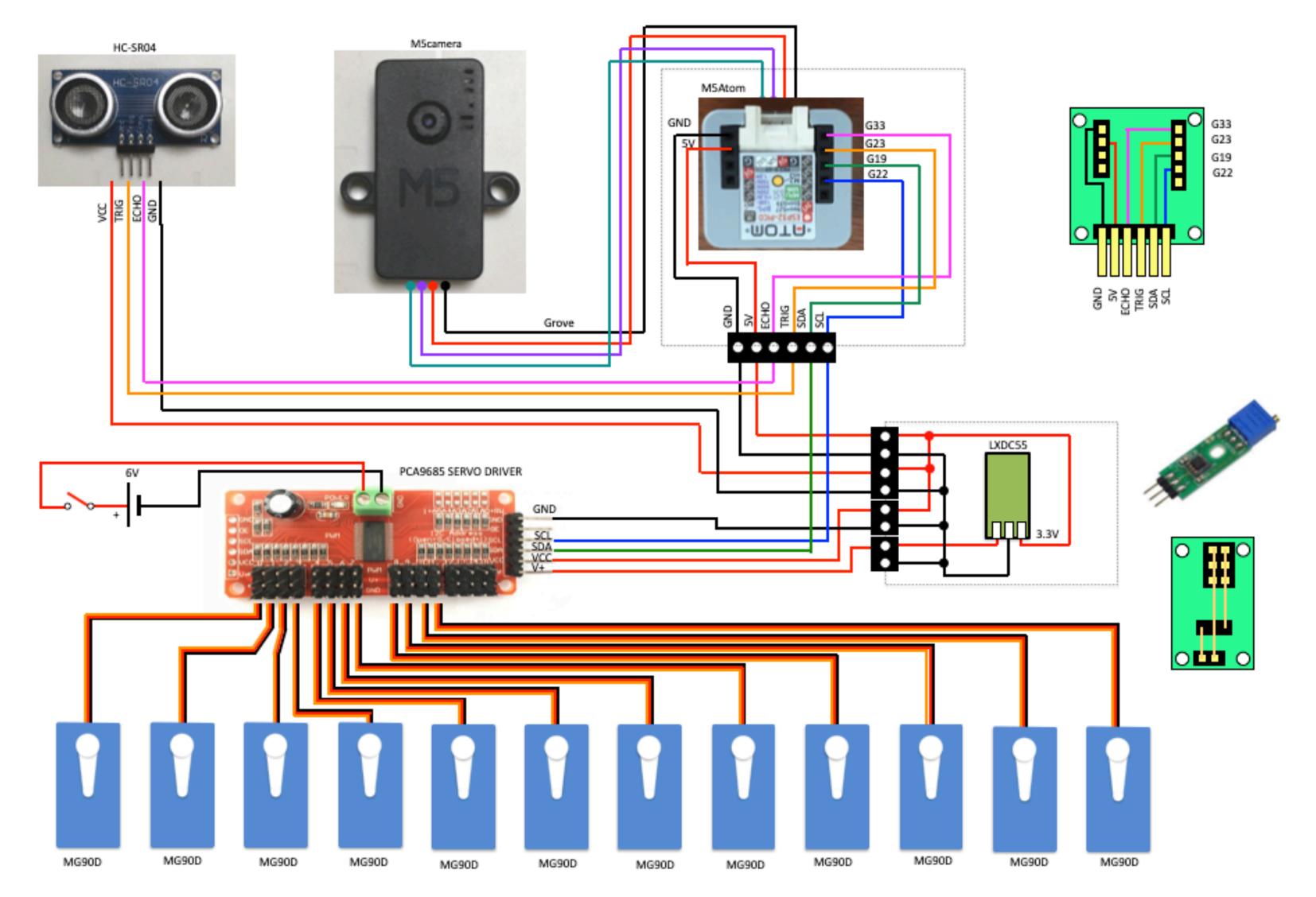


	,			
	Part Name	Quantity	Material	Remark
1	Body Box	1	Ass'y	
2	PCA9685	1		Servo Drvier
3	Tapping Screw M2 L6	6		
4	Printed Card 01	1		Power Supply
5	Tapping Screw M2 L8	4		
6	Pipe L3	4	Brass	Outer diameter 4mm / Inner diameter 3mm
7	Battery	1		NiMH 6V
8	Stopper	1	PLA	3D Printed
9	Switch	1		
10	Screw M2 L8	2		M2 L8
11	Nut M2	2		M2

Top Assembly



#### Connection



# Completed

