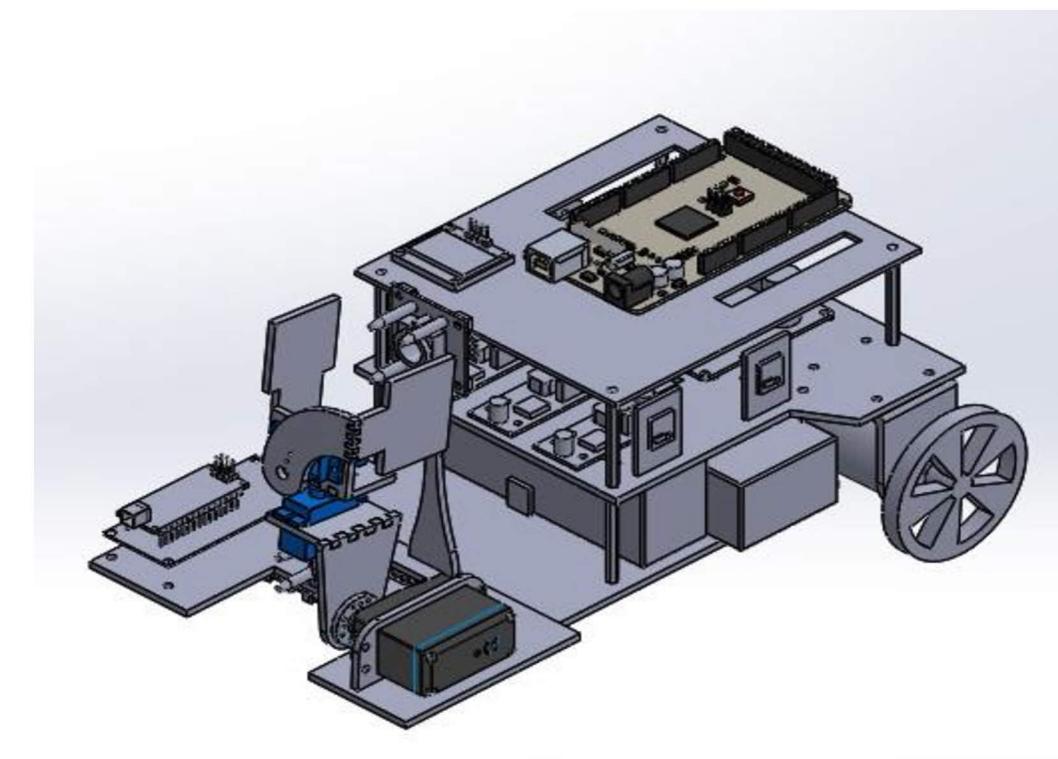
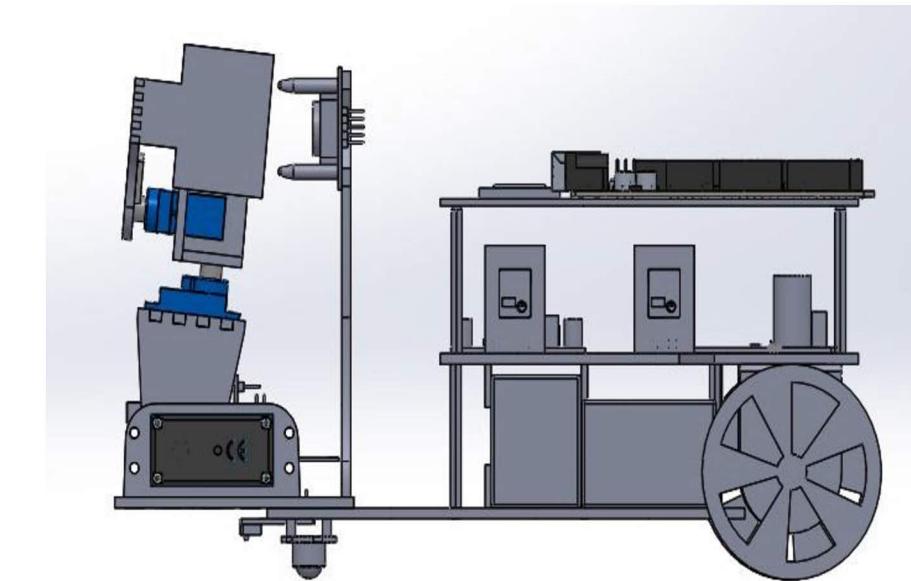
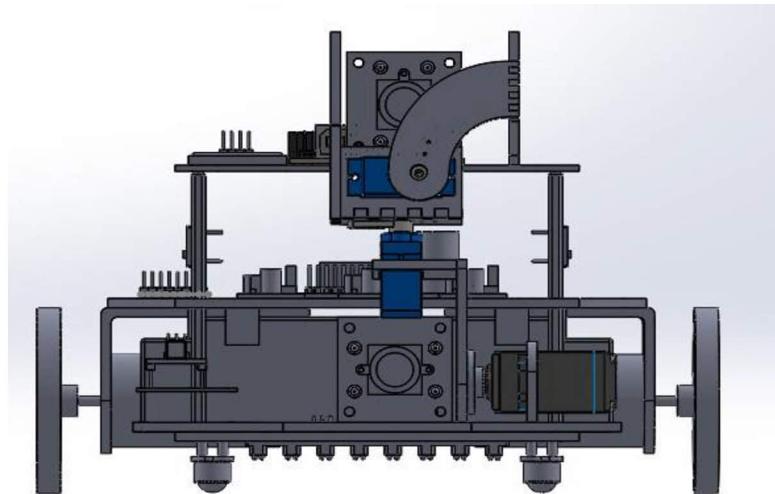


Department of Electronic and Telecommunication Engineering

University of Moratuwa

EN 2532 – Robot Design and Competition

CAD Designs



Group BASC

Batman's Attempt to Save Catwoman

180195A Y.S. Ginige

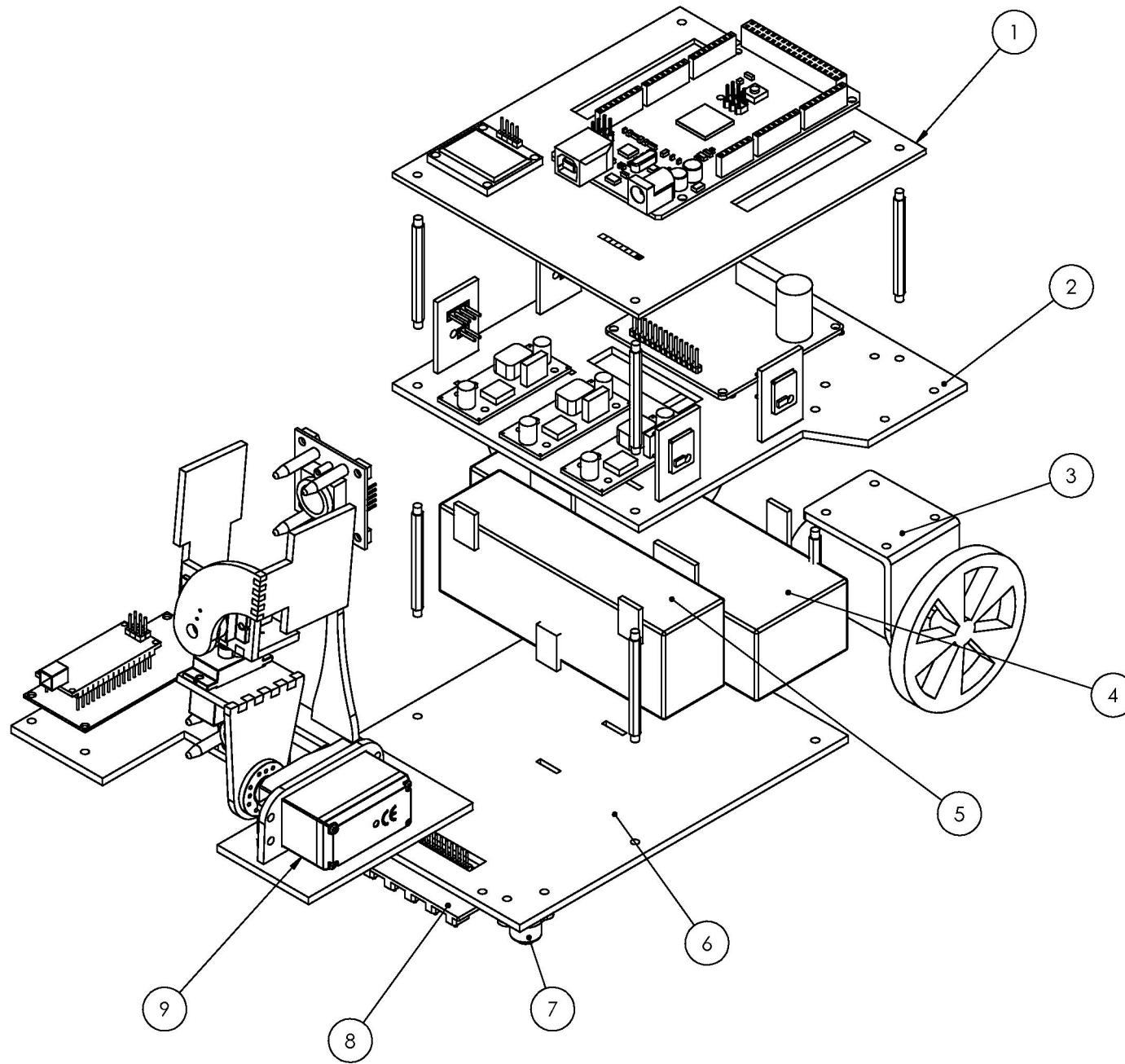
180359G V.Y.N. Lokugama

180544U W.A.V. Ravihansa

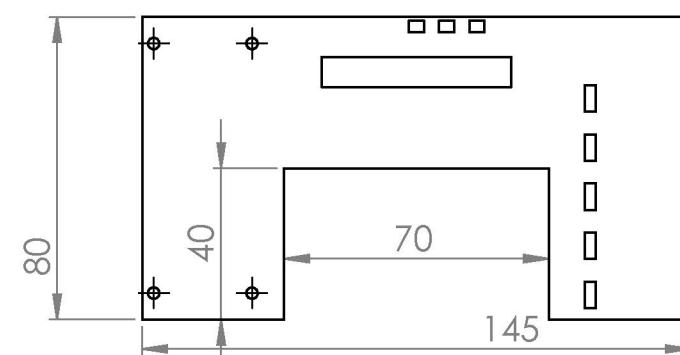
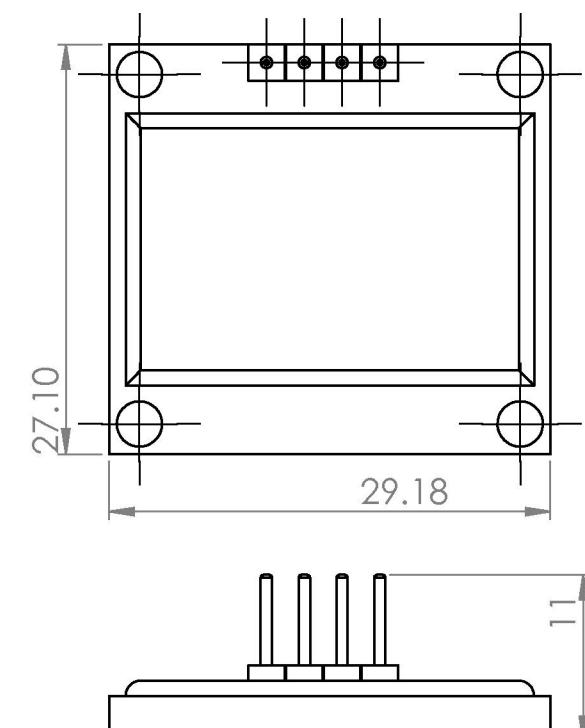
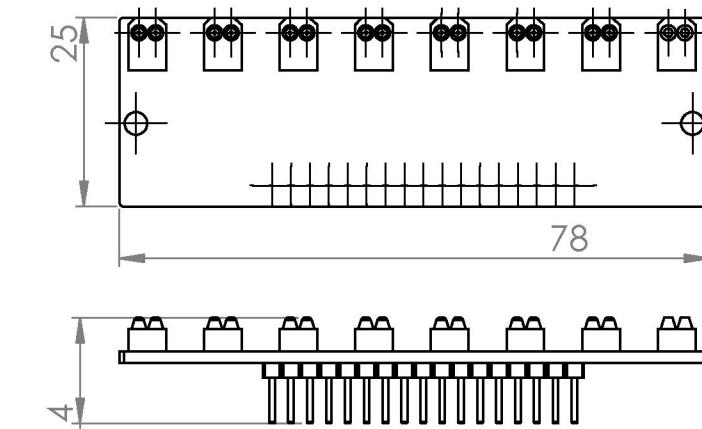
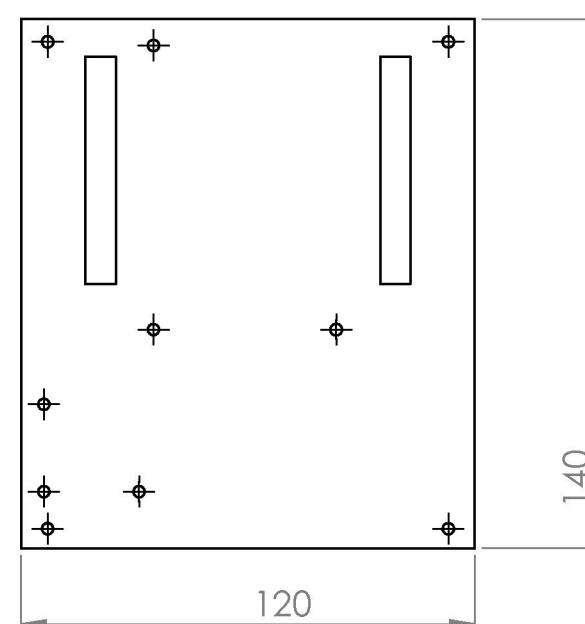
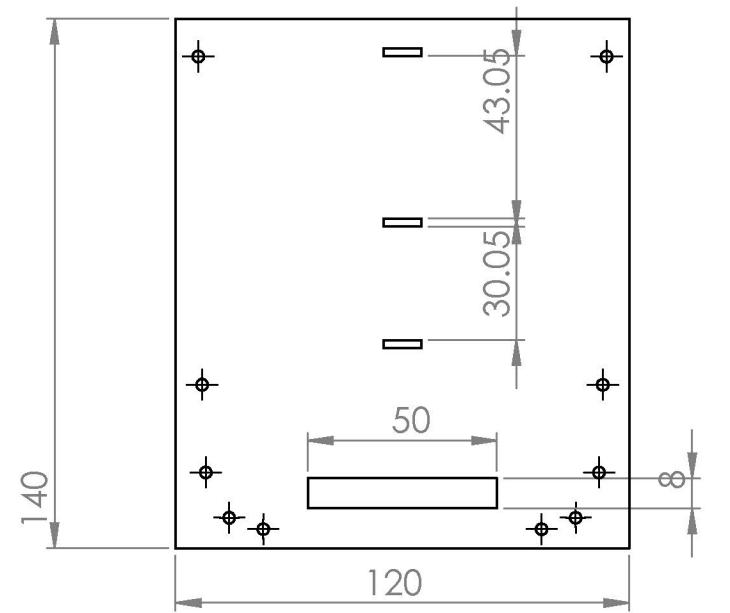
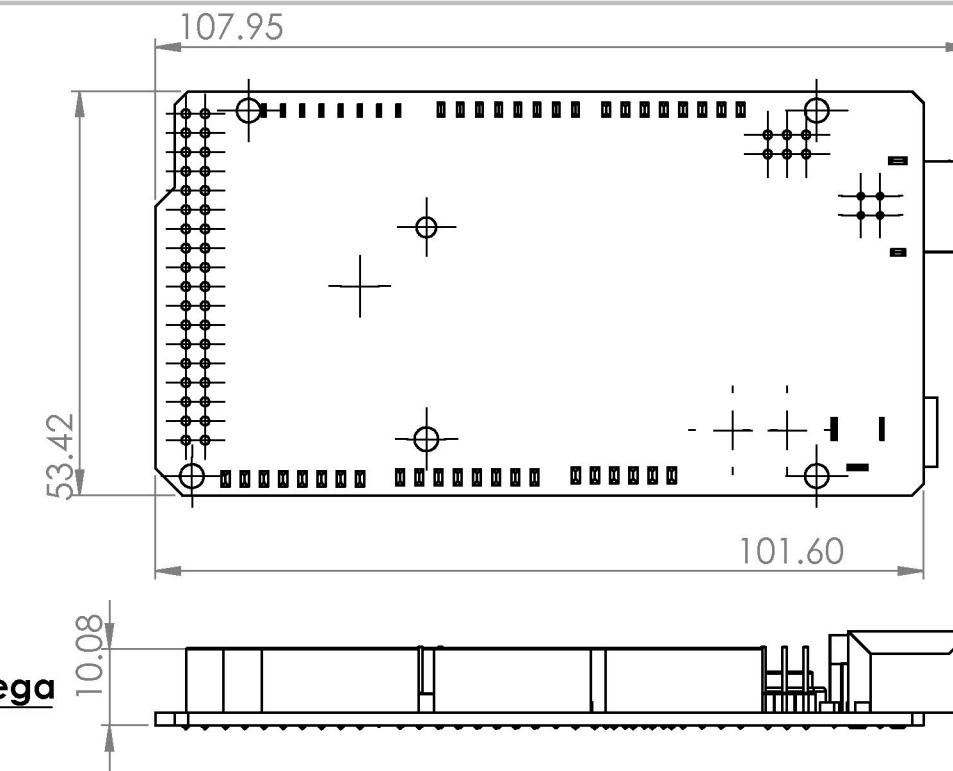
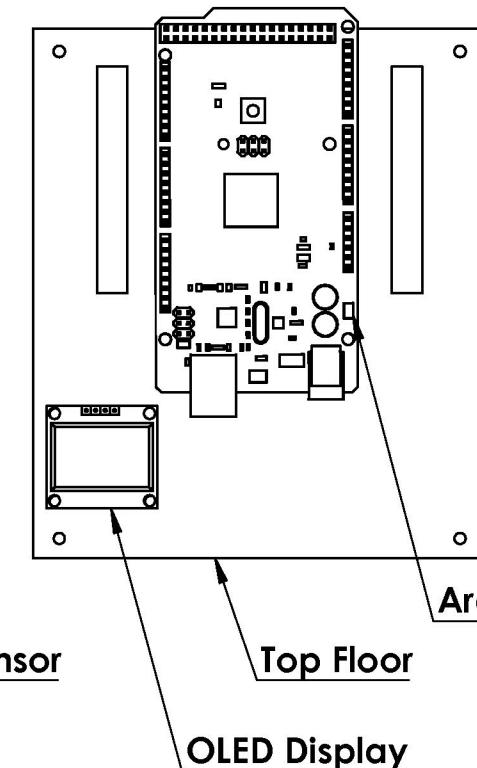
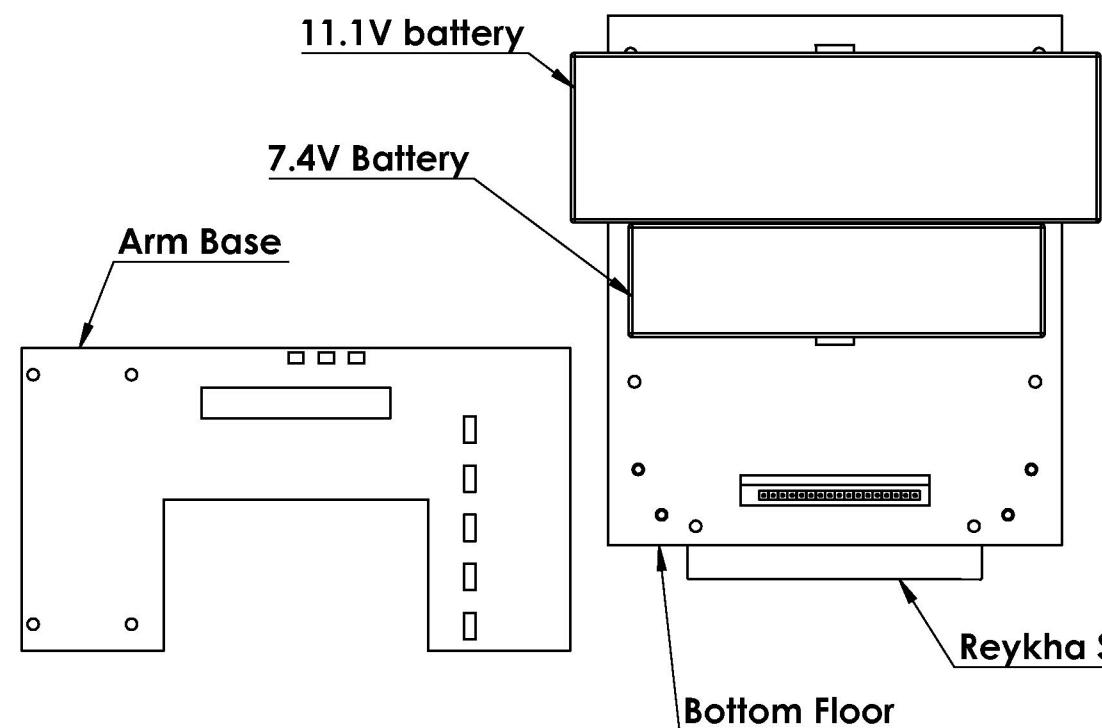
180616T P.M.P.H. Somaratne

180641N A.Thieshanthan

180701B L.T.N. Wickremasinghe



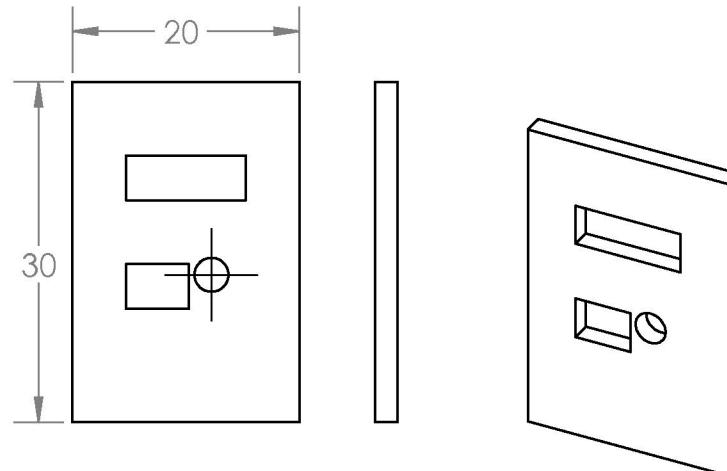
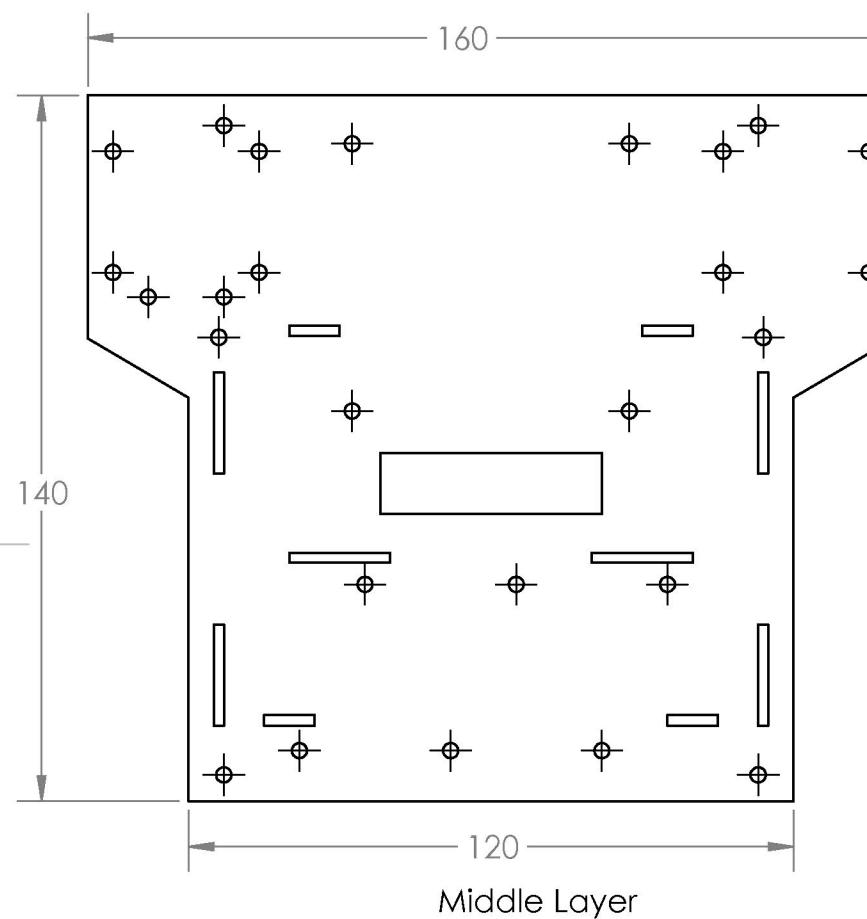
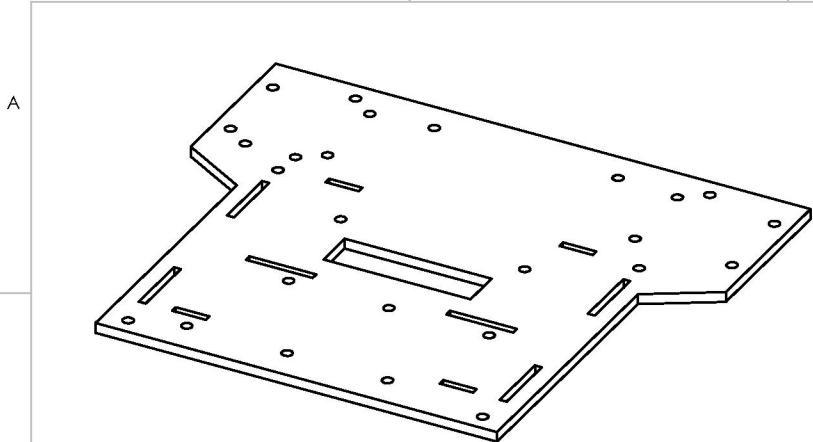
REVISION	2
TITLE:	Exploded View
DWG NO.	
Exploded View	A3
SCALE:1:5	SHEET 1 OF 1



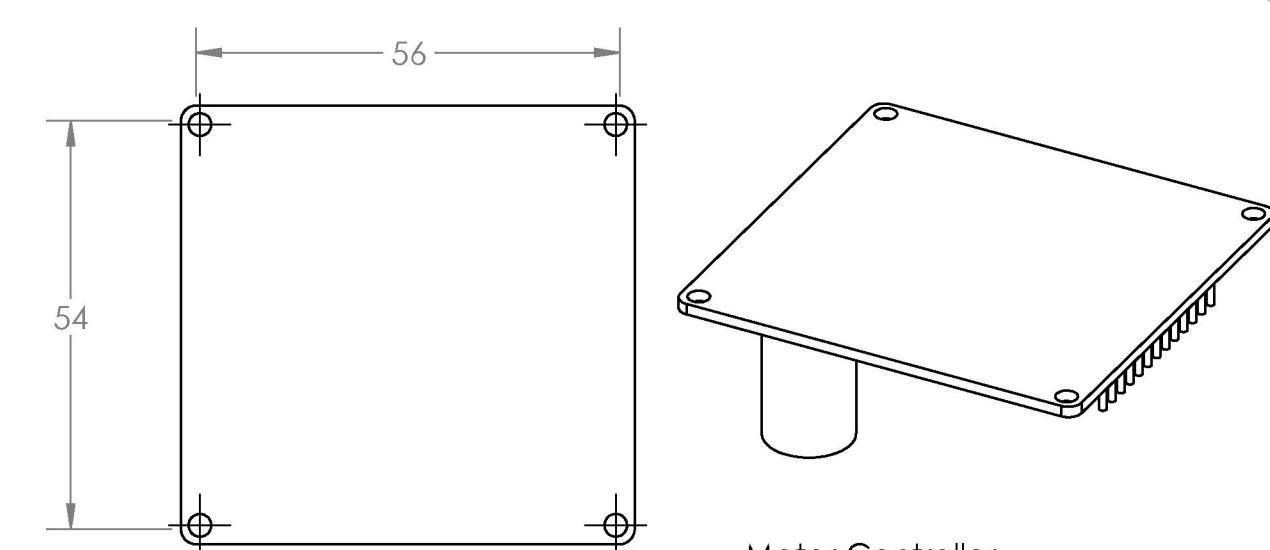
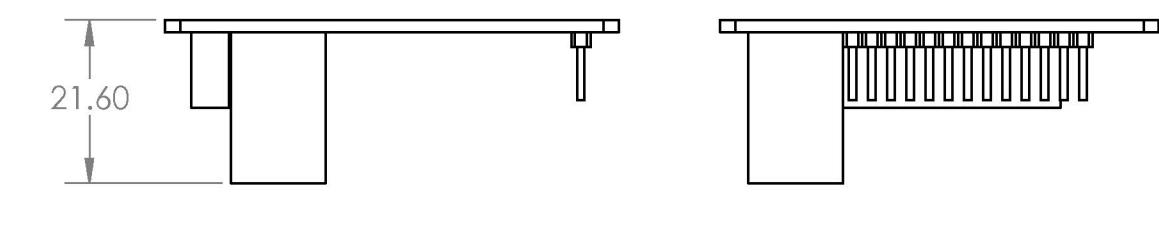
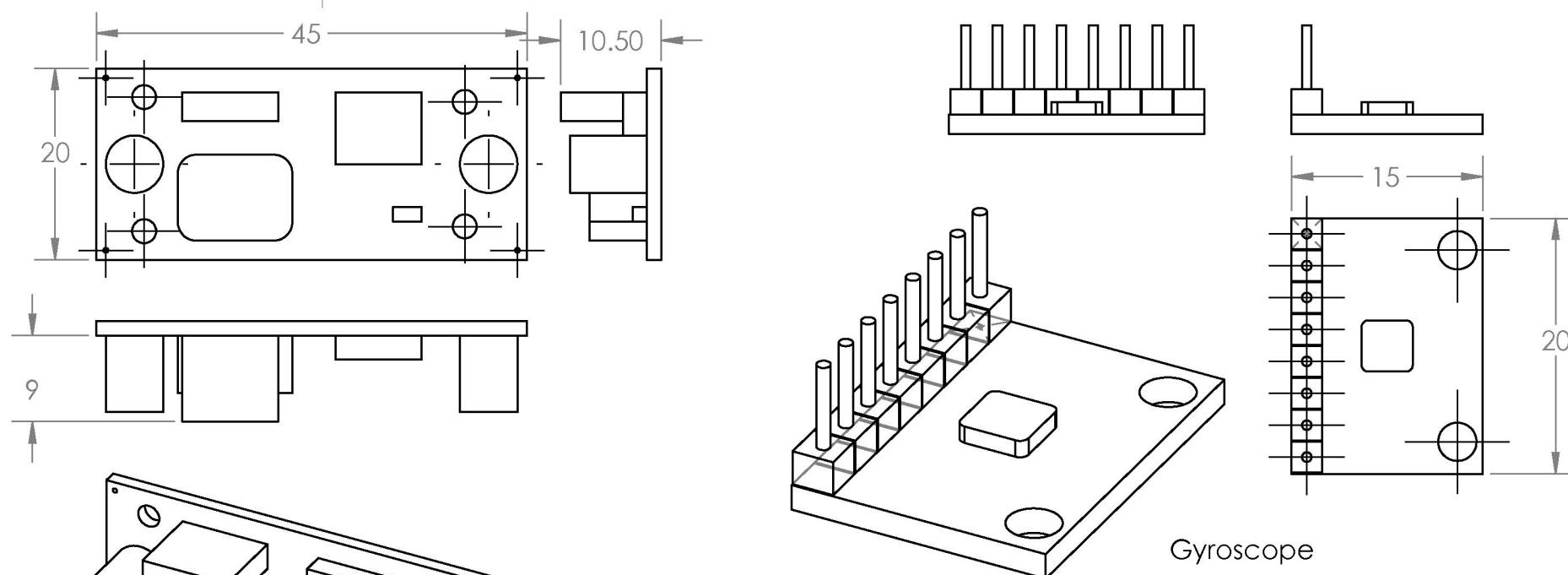
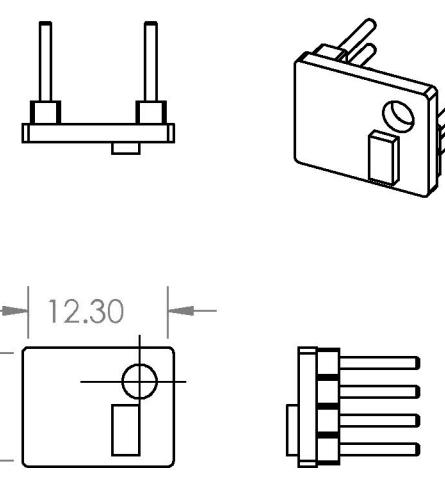
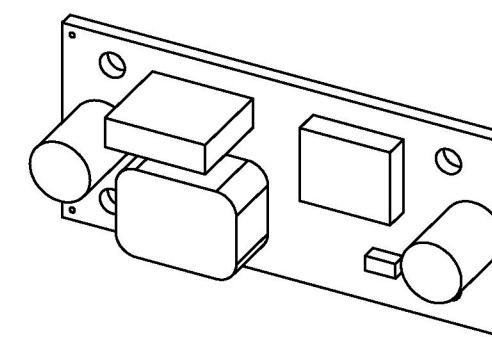
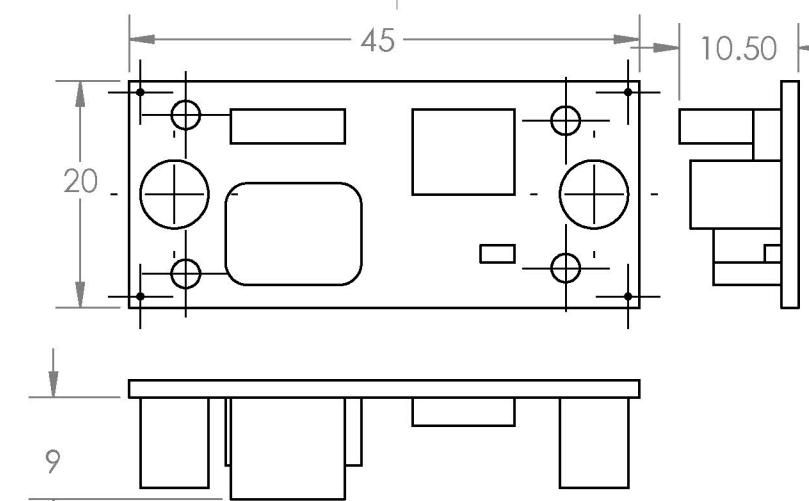
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:		FINISH:	DEBUR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING	REVISION
DRAWN	NAME	SIGNATURE	DATE		
CHK'D					
APPVD					
MFG					
Q.A.				MATERIAL:	
					DWG NO.
				WEIGHT:	SCALE:1:5
					SHEET 1 OF 1

Drawing_ass A3

1 2 3 4 5 6 7 8

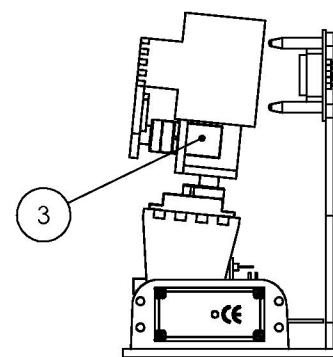
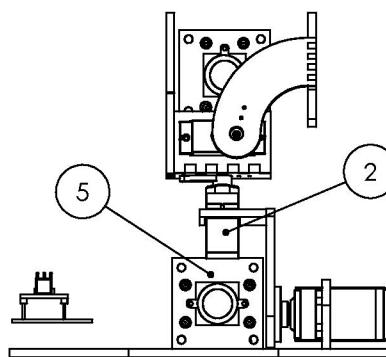
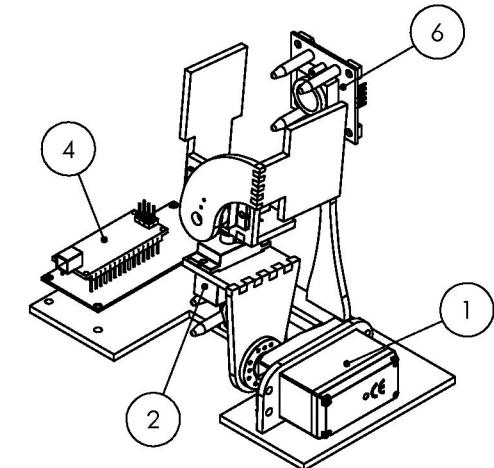
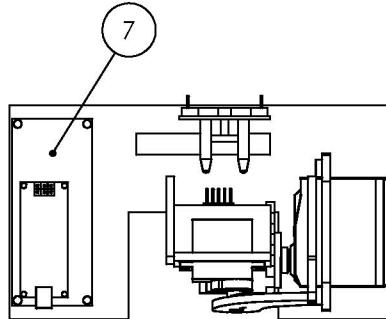
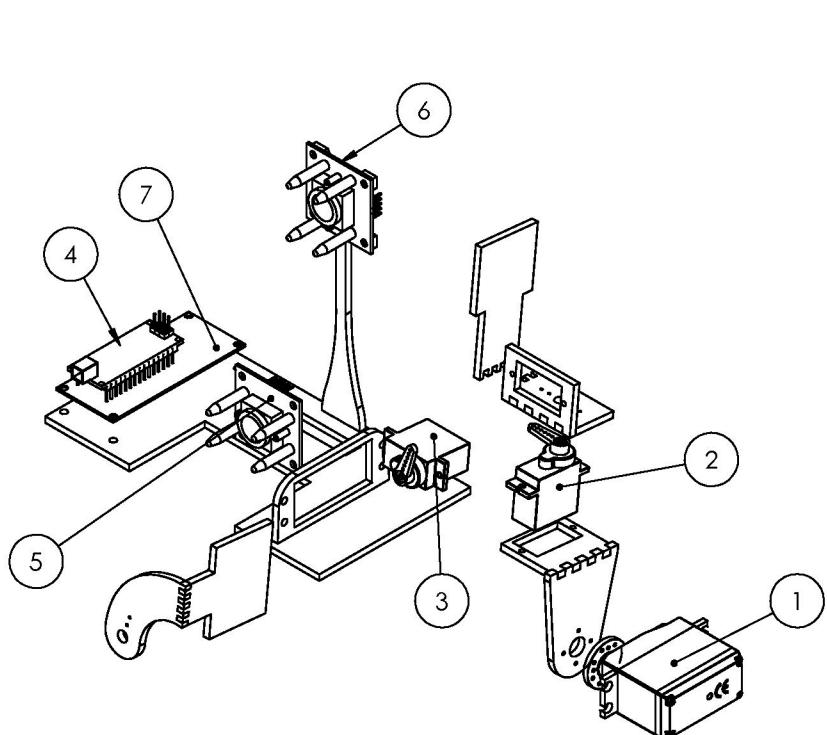


TOF sensor mounts



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:	DEBUR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING	REVISION
DRAWN	SIGNATURE	DATE					
CHK'D							
APP'D							
MFG							
Q.A.							
				MATERIAL:	TITLE:		
					DWG NO. Middle_layer A3		
				WEIGHT:	SCALE:1:2 SHEET 1 OF 1		

1 2 3 4 5 6 7 8



- 1 - SG5010 Servo Motor
- 2 - SG90 Servo Motor for arm rotation
- 3 - SG90 Servo Motor for box grip
- 4 - Arduino NANO Microcontroller board
- 5 - TCS3200 Color Sensor
- 6 - TCS3200 Color Sensor for detecting bottom color
- 7 - PCB for Arm Assembly

The base and parts are made from Acrylic sheets by laser cutting method

REVISION	Rev 2-A
TITLE:	Arm Assembly - BASC
DWG NO.	ArmAssembly
SCALE:	1:5
SHEET:	1 OF 1
A3	