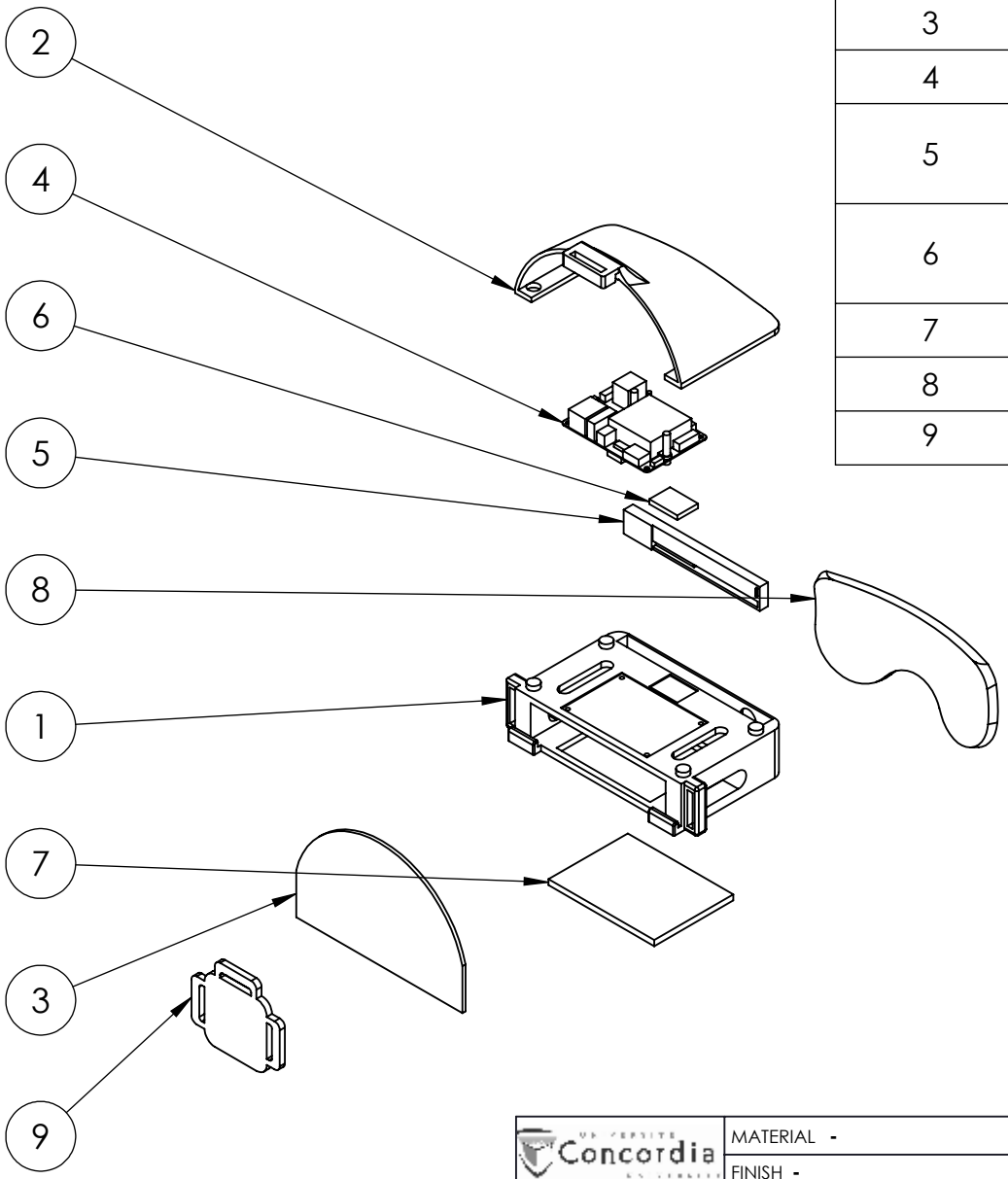
Year	2017
Team	Group #9
Device	AR Headset

CODE	Item	Description	Drawing#/Part#	MNF/OEM/SPL	QTY	CASH Material [$]	CASH Labour [$]	CAPCOIN CODE	CAPCOIN Capcoin$	SPONSOR In Kind
	1	Screen	SC-01		1		-	-	-	Dr. Kiyanda
	2	Adafruit BNO 055 (motion sensor)	MS-01		1		-	-	-	Dr. Kiyanda
	3	Intel realsense camera R200	IR-01	PURCHASED	1	153.36	-	-	-	
	4	Odroid XU4	XU4-01	PURCHASED	1	120.57	-	-	-	
	5	Headset	HS-01	STUDENT (3D PRINT)	2		-	-	-	
	6	Top cover	TC-01	STUDENT (3D PRINT)	2		-	-	-	
	7	Back cover	BC-01	STUDENT (3D PRINT)	2		-	-	-	
	8	Back piece	BP-01	STUDENT (3D PRINT)	2		-	-	-	
	9	Screen viewer	SV-01				-	-	-	
	10									
		SUBTOTALS				273.93	0	0	0	0



ITEM NO.	DRAWING NUMBER	DESCRIPTION	MANUFACTURED / PURCHASED
1	HS-01	Headset	MANUFACTURED
2	TC-01	Top Cover	MANUFACTURED
3	BC-01	Back Cover	MANUFACTURED
4	XU4-01	Odroid XU4	PURCHASED
5	IR-01	Intel real sense camera R200	PURCHASED
6	MS-01	Adafruit BNO055 motion sensor	PURCHASED
7	SC-01	Screen	PURCHASED
8	SV-01	Screen viewer	PURCHASED
9	BP-01	Back piece	MANUFACTURED

Concordia

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MATERIAL -

FINISH -

DESIGNER **TEAM**

DRAFTER **TEAM**

ALL DIMENSIONS IN **METRIC** UNLESS OTHERWISE SPECIFIED

APPROVED **TEAM**

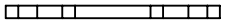
SURFACE ROUGHNESS

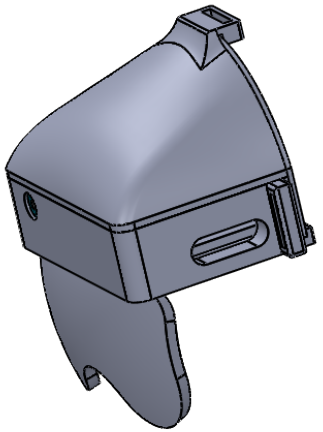
TOLERANCES (UNLESS OTHERWISE SPECIFIED) X ± .1, .X ± .05, .XX ± .005, .XXX ± .002, ANGLE ± .5°

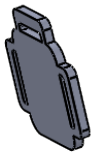
TITLE **Headset Assembly+ BOM**

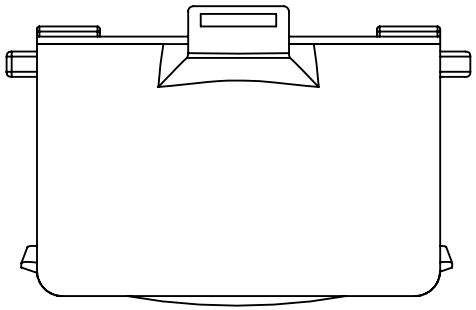
A SIZE | DATE **10/9/2017** | USED ON **MECH 490**

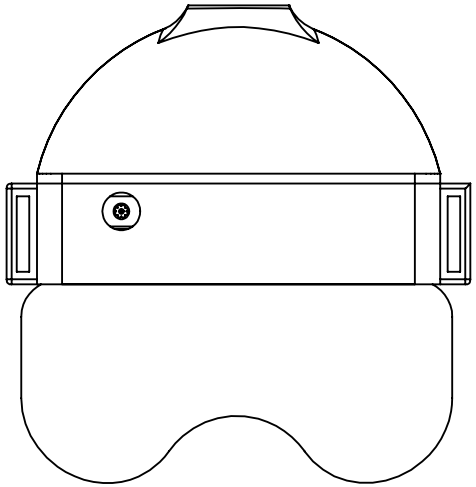
SCALE **1:5** | SHEET **1 / 1** | DWG NO. **BOM-01** | REV NO. **01**

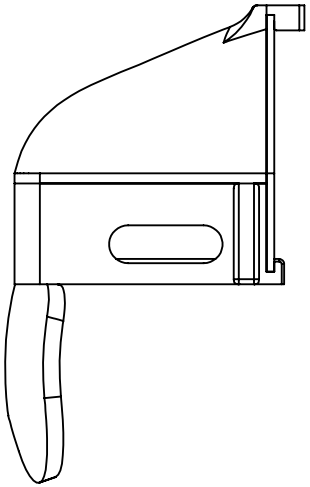




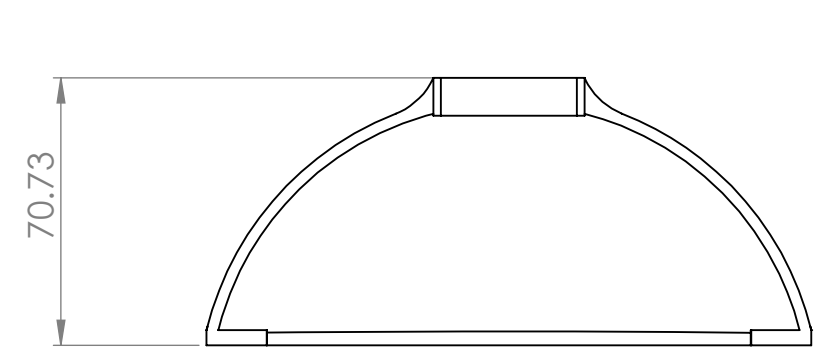


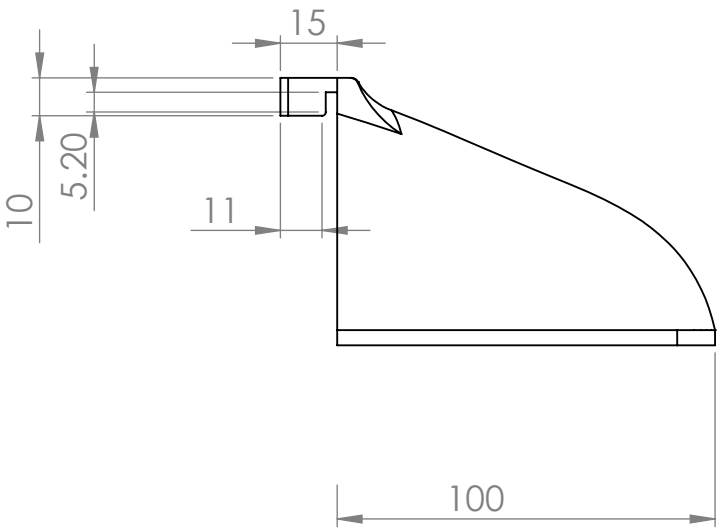


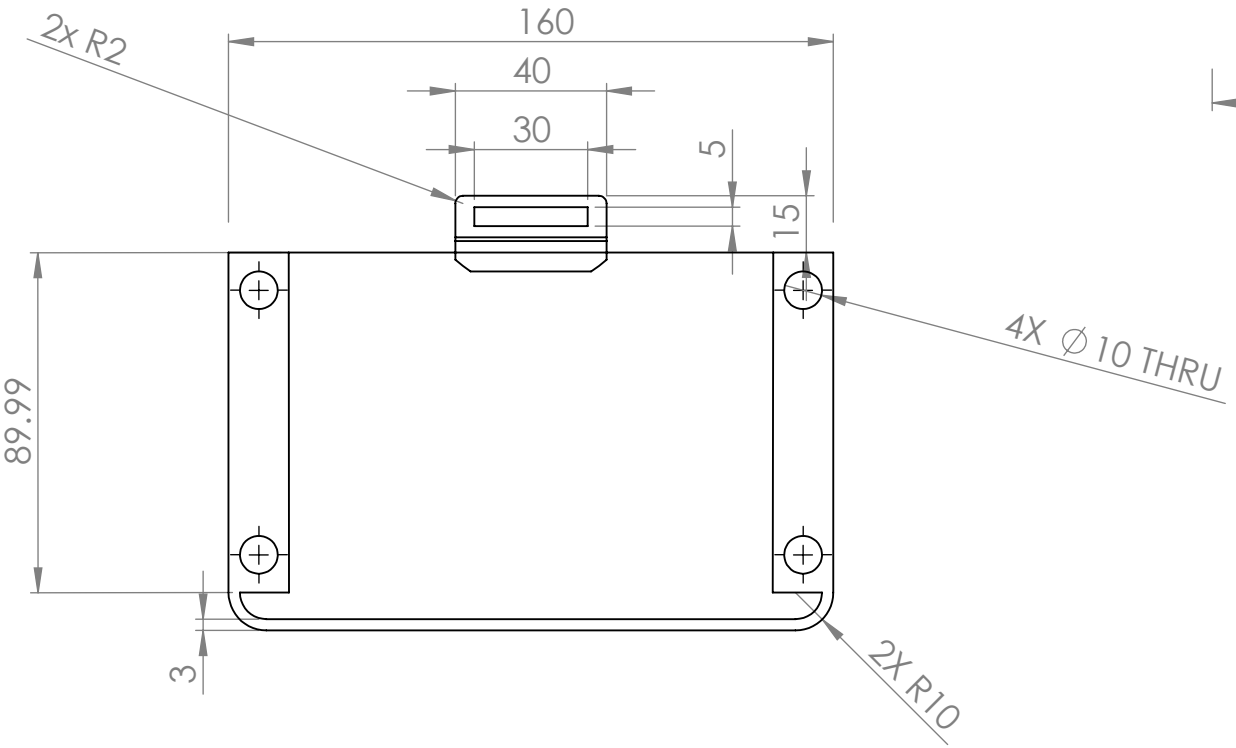


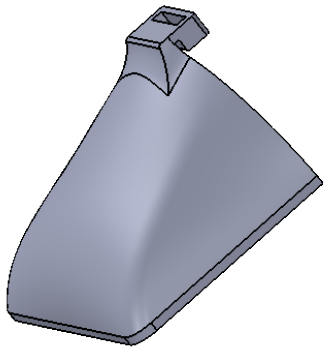


Concordia UNIVERSITY	MATERIAL -	SURFACE ROUGHNESS	TITLE **Headset Assembly**			
	FINISH -	TOLERANCES X ± .1, .X ± .05, .XX ± .005, .XXX ± .002, ANGLE ± .5°				
	DESIGNER **A. SHAWWA**	ALL DIMENSIONS IN **METRIC** UNLESS OTHERWISE SPECIFIED	A SIZE	DATE **10/8/2017**	USED ON **MECH 490**	
	DRAFTER **M. A. YADAO**	APPROVED **R. PATEL**	SCALE **1:3**	SHEET **1 / 1**	DWG NO. **HS-A-01**	REV NO. **01**

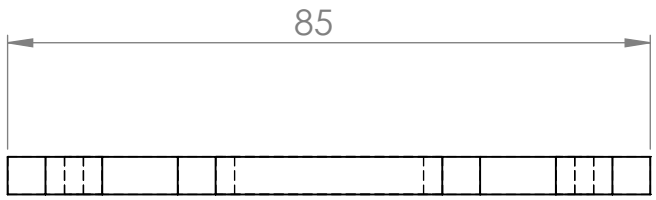


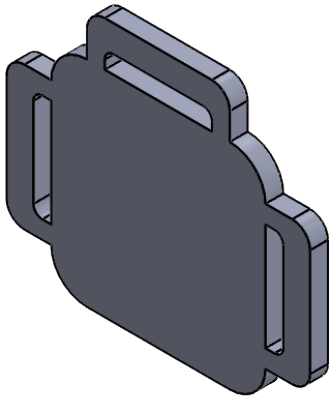


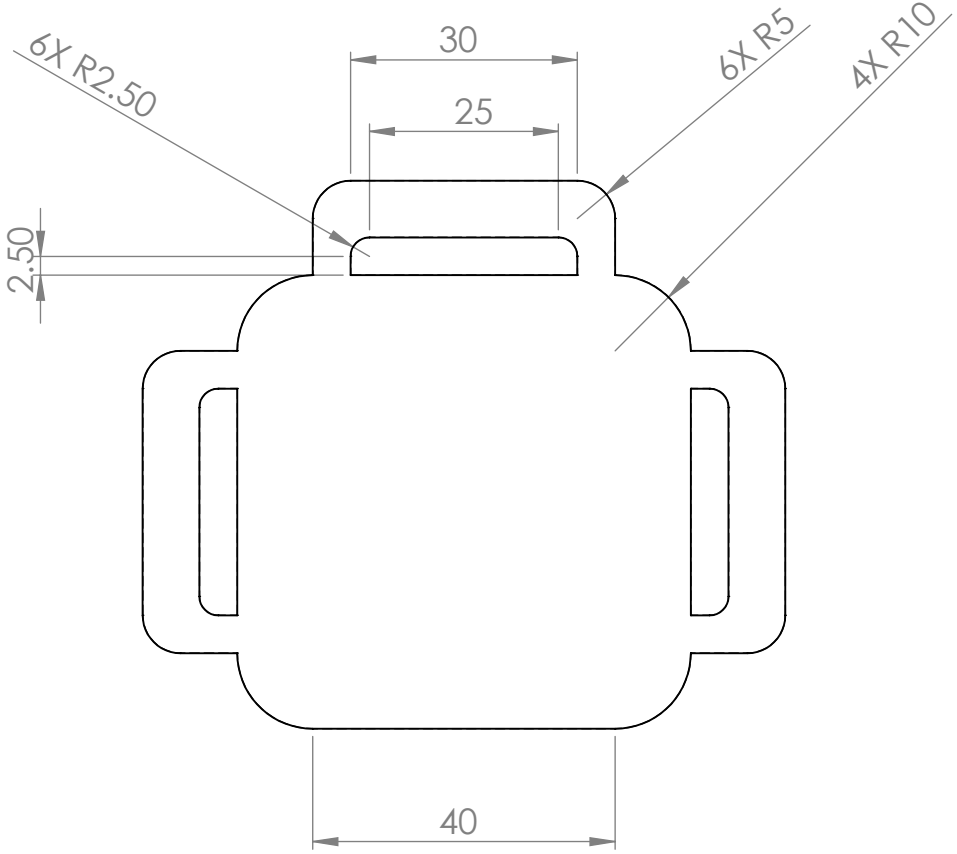


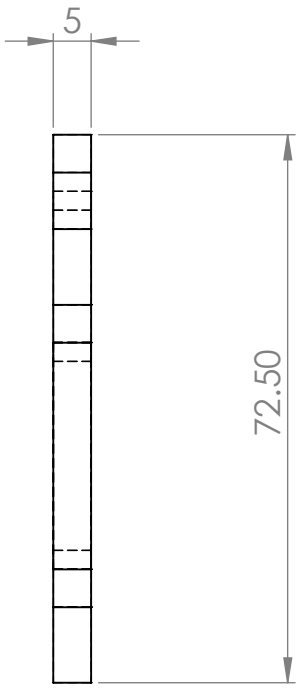


Concordia	MATERIAL **POLYLACTIC ACID (PLA - 3D PRINT)**	SURFACE ROUGHNESS √	TITLE **Top Cover**			
	FINISH **-**	TOLERANCES X ± .1, .X ± .05, .XX ± .005, .XXX ± .002, ANGLE ± .5°				
	DESIGNER **A. SHAWWA**	ALL DIMENSIONS IN **METRIC** UNLESS OTHERWISE SPECIFIED	A SIZE	DATE **10/8/2017**	USED ON **MECH 490**	
	DRAFTER **M. A. YADAO**	APPROVED **R. PATEL**	SCALE **1:2**	SHEET **1 / 1**	DWG NO. **TC-01**	REV NO. **01**









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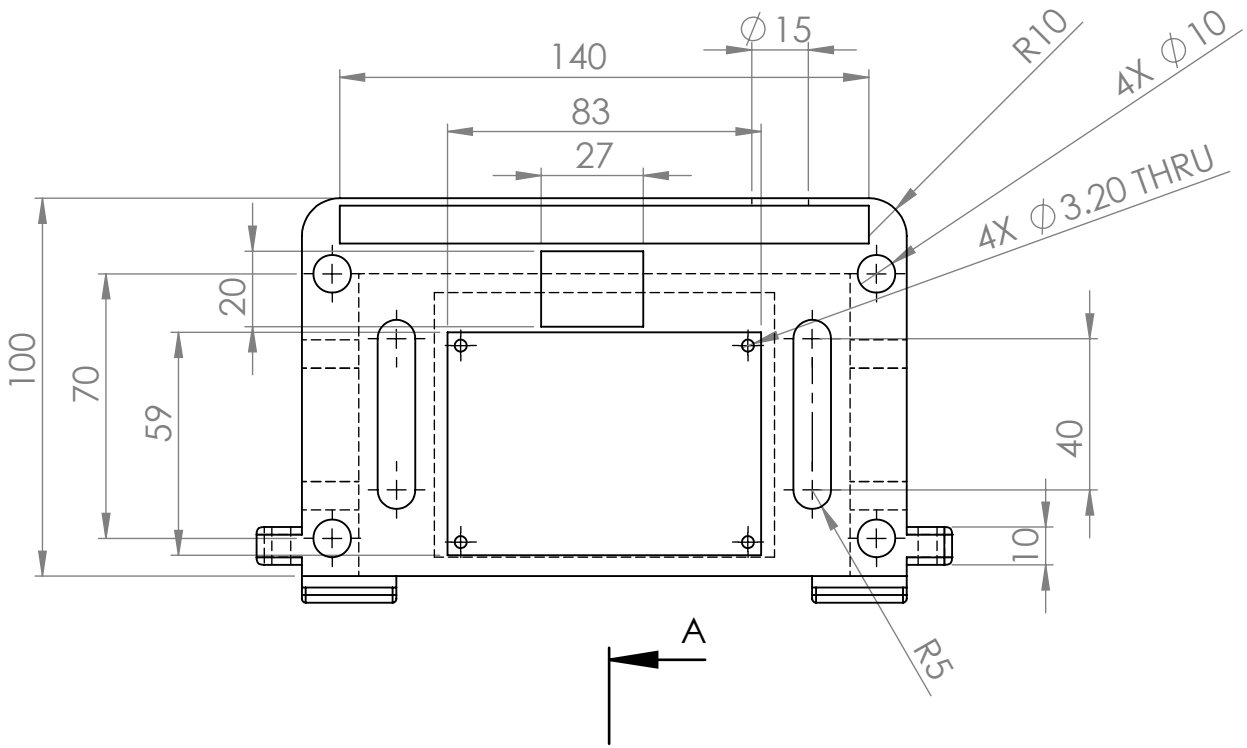
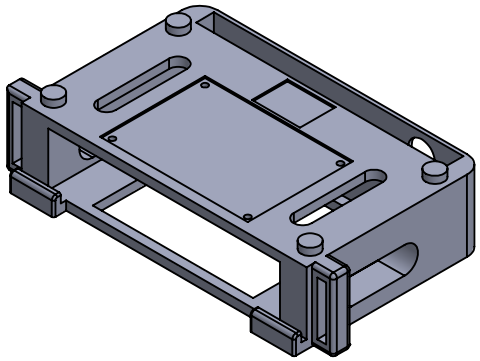
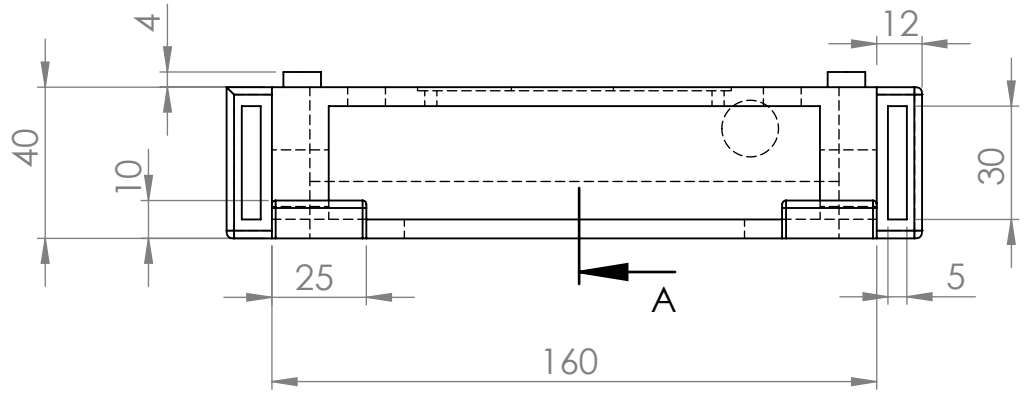
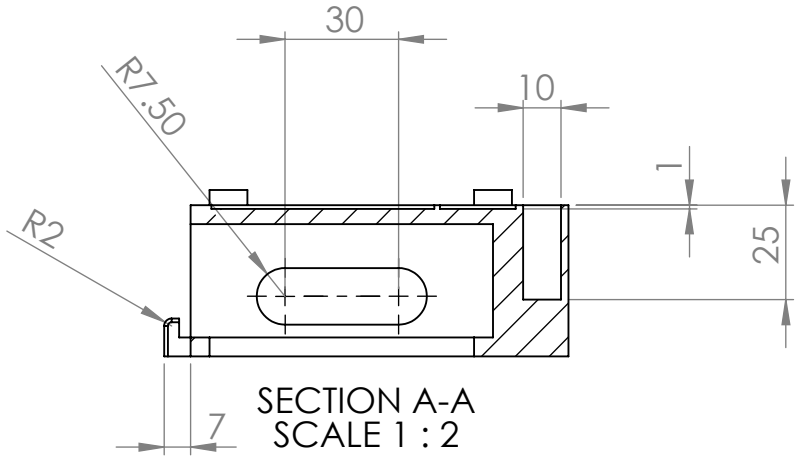
Concordia	MATERIAL **POLYLACTIC ACID (PLA - 3D PRINT)**	SURFACE ROUGHNESS √	TITLE **Back piece**			
	FINISH **-**	TOLERANCES X ± .1, .X ± .05, .XX ± .005, .XXX ± .002, ANGLE ± .5° (UNLESS OTHERWISE SPECIFIED)				
	DESIGNER **N. CIERSON**	ALL DIMENSIONS IN **METRIC** UNLESS OTHERWISE SPECIFIED	A SIZE	DATE **10/8/2017**	USED ON **MECH 490**	
	DRAFTER **M. A. YADAO**	APPROVED **R. PATEL**	SCALE **1:1**	SHEET **1 / 1**	DWG NO. **BP-01**	REV NO. **01**









SECTION A-A
SCALE 1 : 2

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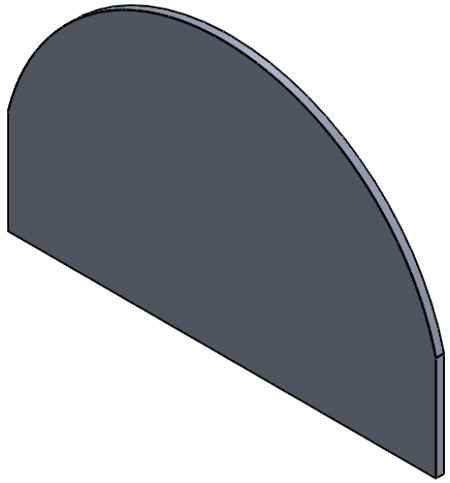
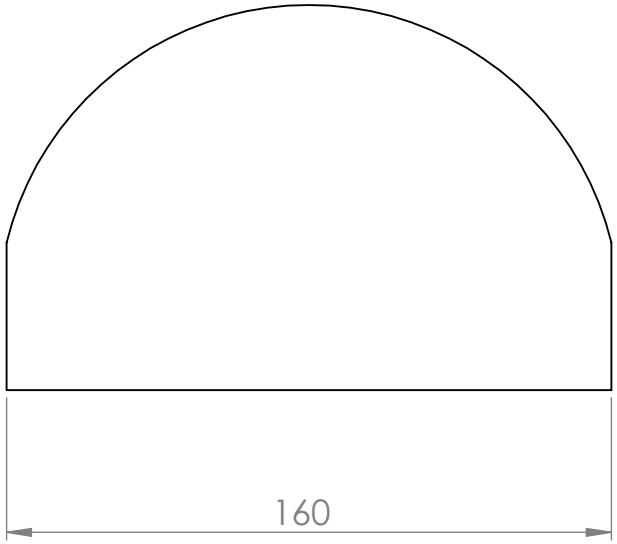
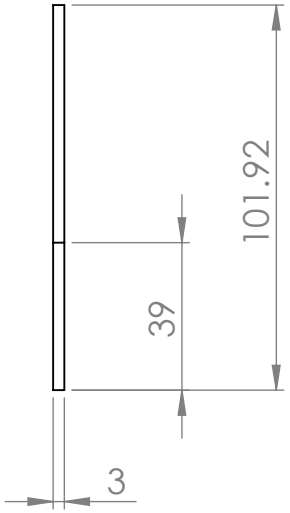
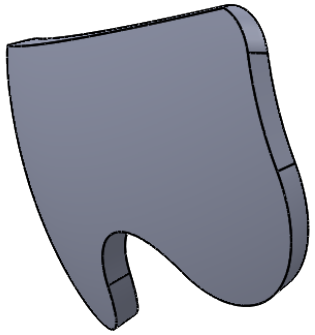
Concordia	MATERIAL **POLYLACTIC ACID (PLA - 3D PRINT)**	SURFACE ROUGHNESS √	TITLE **Headset**		
	FINISH **-**	TOLERANCES X ± .1, .X ± .05, .XX ± .005, .XXX ± .002, ANGLE ± .5° (UNLESS OTHERWISE SPECIFIED)			
	DESIGNER **A. SHAWWA**	ALL DIMENSIONS IN **METRIC** UNLESS OTHERWISE SPECIFIED	A SIZE	DATE **10/8/2017**	USED ON **MECH 490**
	DRAFTER **M. A. YADAO**	APPROVED **R. PATEL**	SCALE **1:2**	SHEET **1 / 1**	DWG NO. **HS-01**	REV NO. **01**

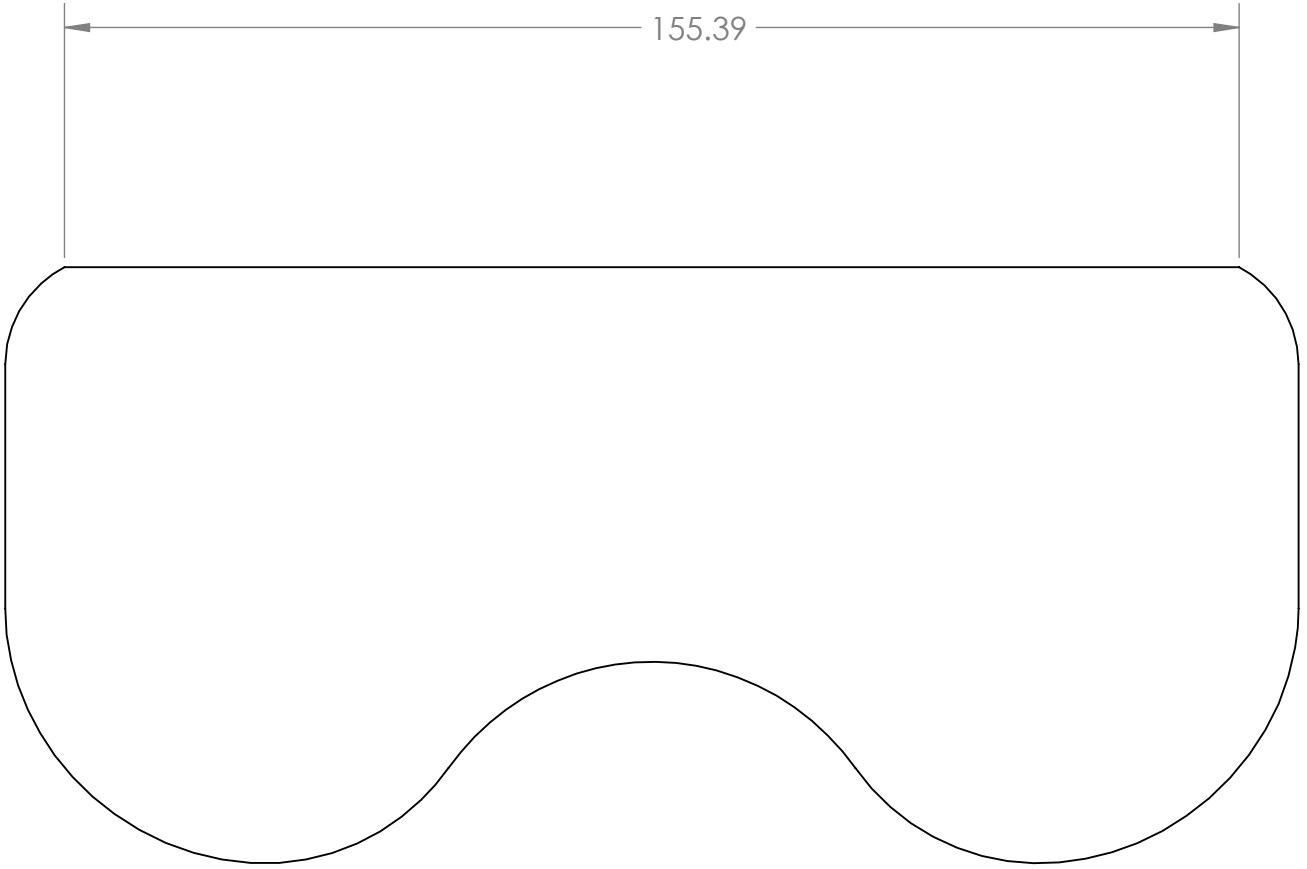


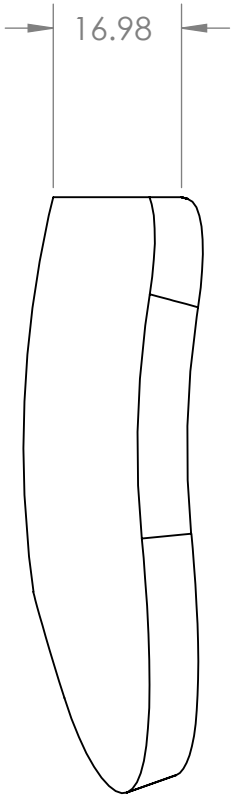




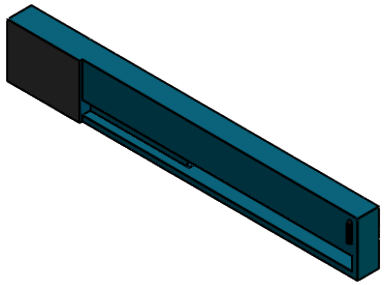
Concordia	MATERIAL **POLYLACTIC ACID (PLA - 3D PRINT)**		SURFACE ROUGHNESS √ -	TITLE **Back Cover**			
	FINISH **-**		TOLERANCES UNLESS OTHERWISE SPECIFIED: X ± .1, .X ± .05, .XX ± .005, .XXX ± .002, ANGLE ± .5°				
	DESIGNER **A. SHAWWA**	ALL DIMENSIONS IN **METRIC** UNLESS OTHERWISE SPECIFIED		A SIZE	DATE **10/8/2017**	USED ON **MECH 490**	
	DRAFTER **M. A. YADAO**	APPROVED **R. PATEL**	SCALE **1:2**	SHEET **1 / 1**	DWG NO. **BC-01**	REV NO. **01**	

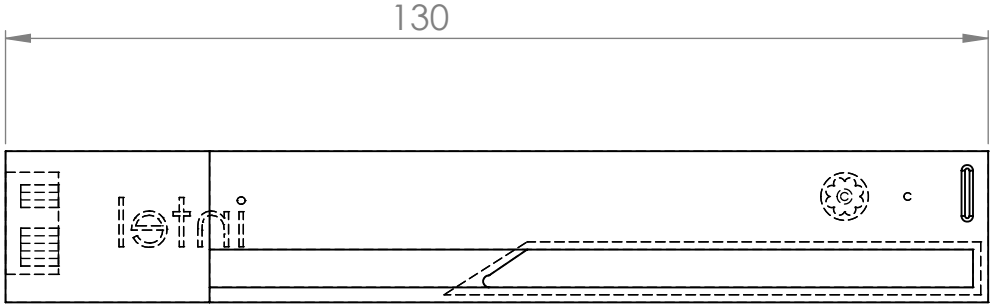


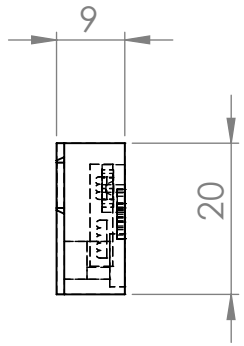




Concordia	MATERIAL -	SURFACE ROUGHNESS	TITLE **Screen viewer**			
	FINISH -	TOLERANCES X ± .1, .X ± .05, .XX ± .005, .XXX ± .002, ANGLE ± .5° (UNLESS OTHERWISE SPECIFIED)				
	DESIGNER **F. YUNUS**	ALL DIMENSIONS IN **METRIC** UNLESS OTHERWISE SPECIFIED	A SIZE	DATE **10/8/2017**	USED ON **MECH 490**	
	DRAFTER **M. A. YADAO**	APPROVED **R. PATEL**	SCALE **1:1**	SHEET **1 / 1**	DWG NO. **SV-01**	REV NO. **01**







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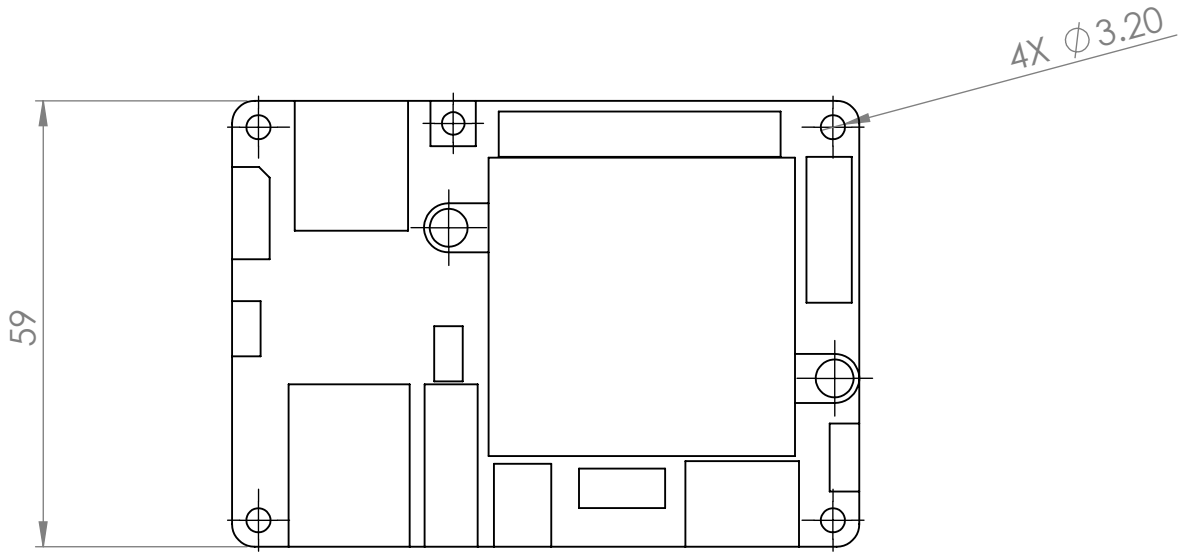
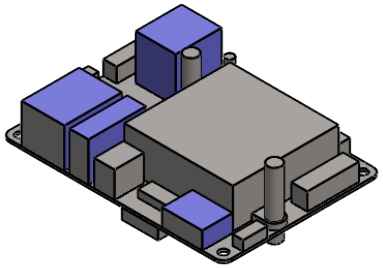
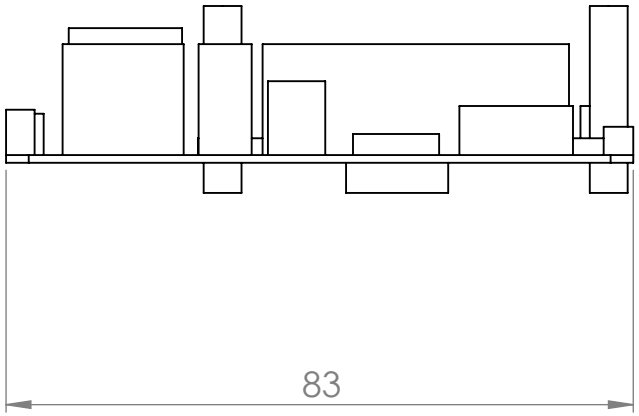
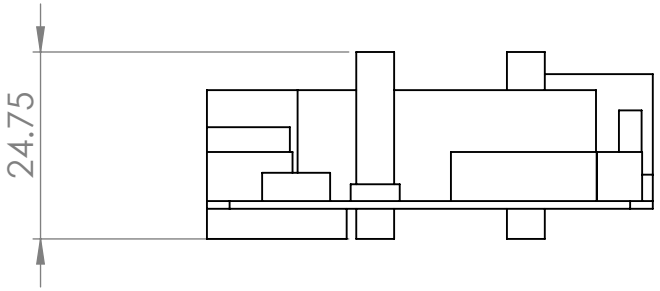
Concordia	MATERIAL -		SURFACE ROUGHNESS	TITLE **Intel real sense camera R200**			
	FINISH -		TOLERANCES X ± .1, .X ± .05, .XX ± .005, .XXX ± .002, ANGLE ± .5°				
	DESIGNER **ONLINE**	ALL DIMENSIONS IN **METRIC** UNLESS OTHERWISE SPECIFIED		A SIZE	DATE **10/8/2017**	USED ON **MECH 490**	
	DRAFTER **ONLINE**	APPROVED	SCALE **1:1**	SHEET **1 / 1**	DWG NO. **IR-01**	REV NO. **01**	









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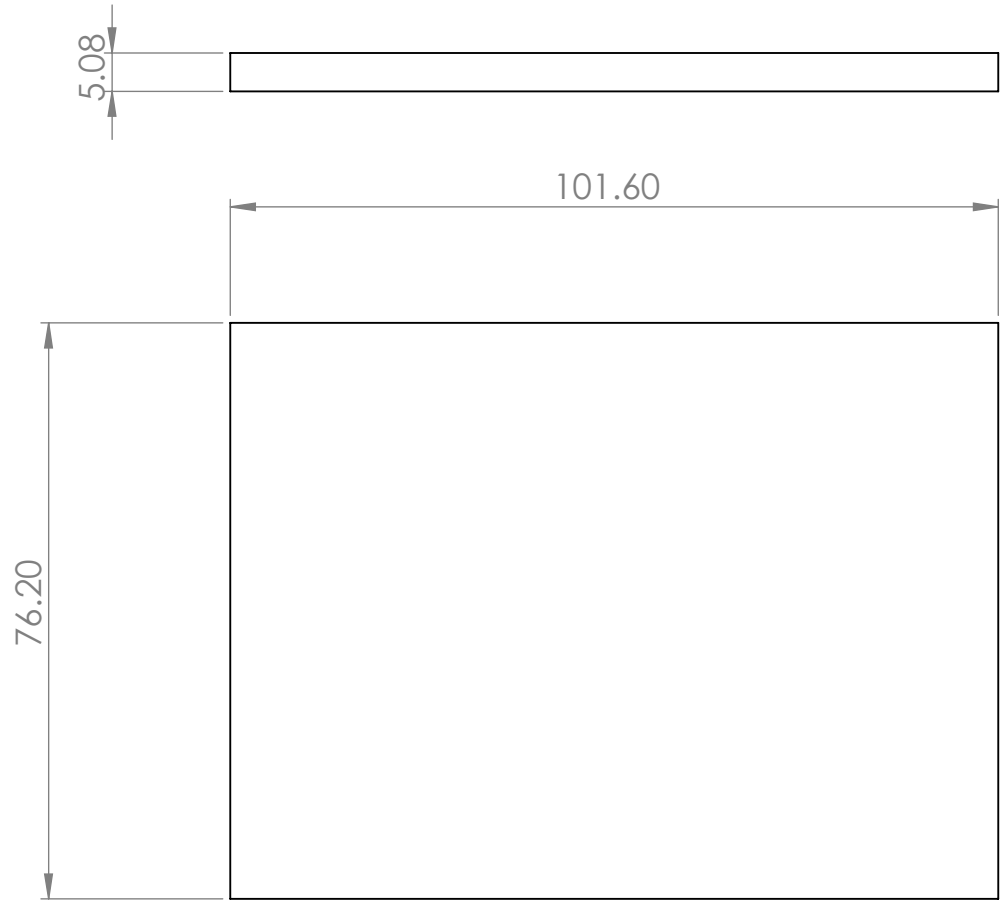
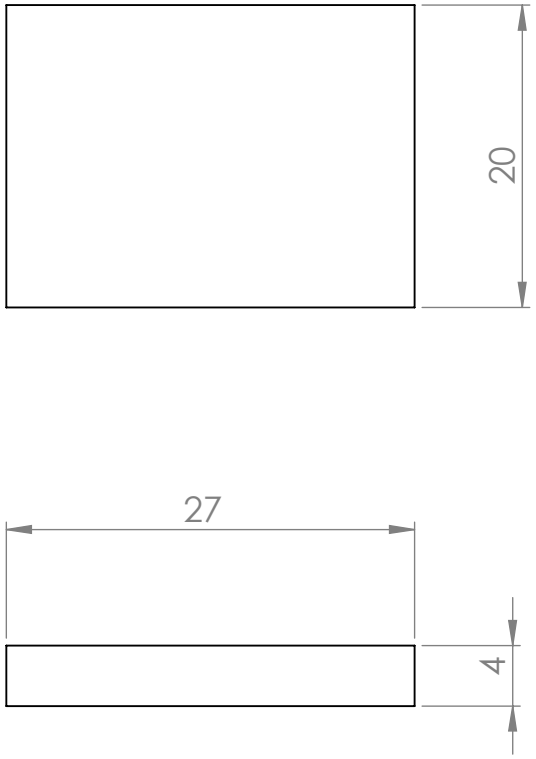
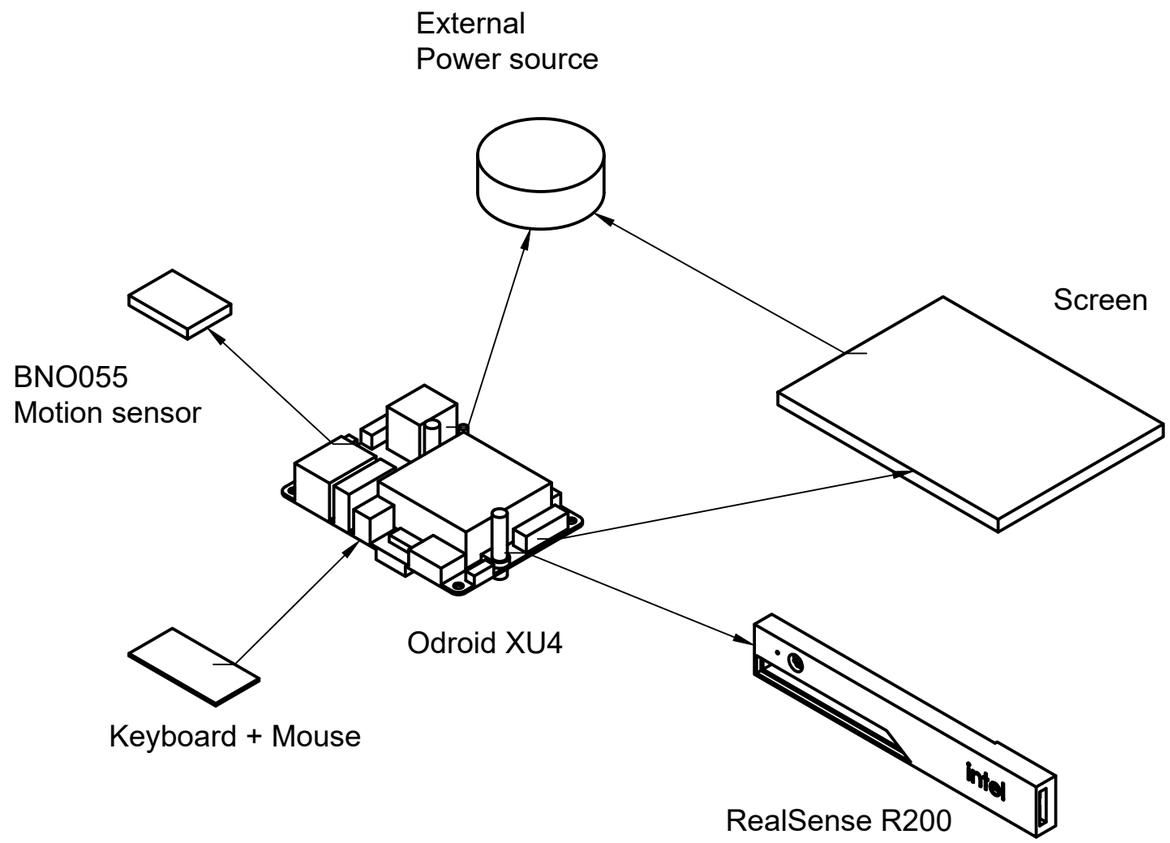
Concordia	MATERIAL -	SURFACE ROUGHNESS	TITLE **Odroid XU4**			
	FINISH -	TOLERANCES X ± .1, .X ± .05, .XX ± .005, .XXX ± .002, ANGLE ± .5° (UNLESS OTHERWISE SPECIFIED)				
	DESIGNER **ONLINE**	ALL DIMENSIONS IN **METRIC** UNLESS OTHERWISE SPECIFIED	A SIZE	DATE **10/8/2017**	USED ON **MECH 490**	
	DRAFTER **ONLINE**	APPROVED	SCALE **1:1**	SHEET **1 / 1**	DWG NO. **XU4-01**	REV NO. **01**



Concordia	MATERIAL -		SURFACE ROUGHNESS √	TITLE **Screen**			
	FINISH -		TOLERANCES X ± .1, .X ± .05, .XX ± .005, .XXX ± .002, ANGLE ± .5°				
	DESIGNER **A. SHAWWA**	ALL DIMENSIONS IN **METRIC** UNLESS OTHERWISE SPECIFIED		A SIZE	DATE **10/8/2017**	USED ON **MECH 490**	
	DRAFTER **M. A. YADAO**	APPROVED **R. PATEL**	SCALE **1:1**	SHEET **1 / 1**	DWG NO. **SC-01**	REV NO. **01**	



Concordia	MATERIAL -		SURFACE ROUGHNESS √	TITLE **Adafruit BNO055 motion sensor**			
	FINISH -		TOLERANCES X ± .1, .X ± .05, .XX ± .005, .XXX ± .002, ANGLE ± .5°				
	DESIGNER **A. SHAWWA**	ALL DIMENSIONS IN **METRIC** UNLESS OTHERWISE SPECIFIED		A SIZE	DATE **10/8/2017**	USED ON **MECH 490**	
	DRAFTER **M. A. YADAO**	APPROVED **R. PATEL**	SCALE **2:1**	SHEET **1 / 1**	DWG NO. **MS - 01**	REV NO. **01**	



Dept.	Technical reference	Created by	Approved by
		Document type	Document status
		Title: System diagram	DWG No.
			Rev. / Date of issue / Sheet: 1/1