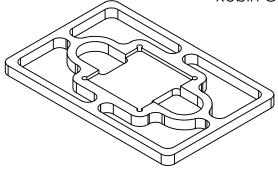
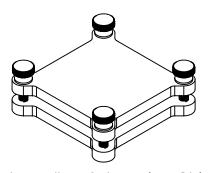
Bespoke Parts for the Direct Library Preparation Plus Single Cell Method for Takara SmartChips and the Scienion Cellenone Robot

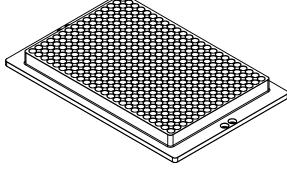
Robin Coope September 19 2019



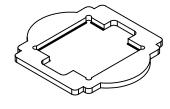
Quick Spin SmartChip Adapter also SmartChip SBS Plate Adapter



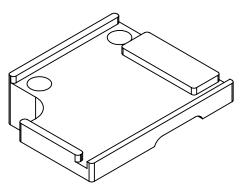
The Yellow Submarine Chip Sealer



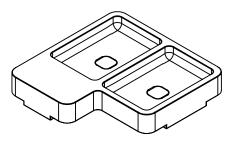
384 Well Plate Chiller Adapter



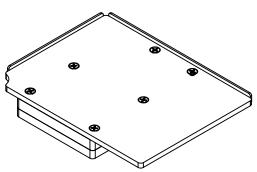
SmartChip Adapter for Nikon Ti-E Microscope



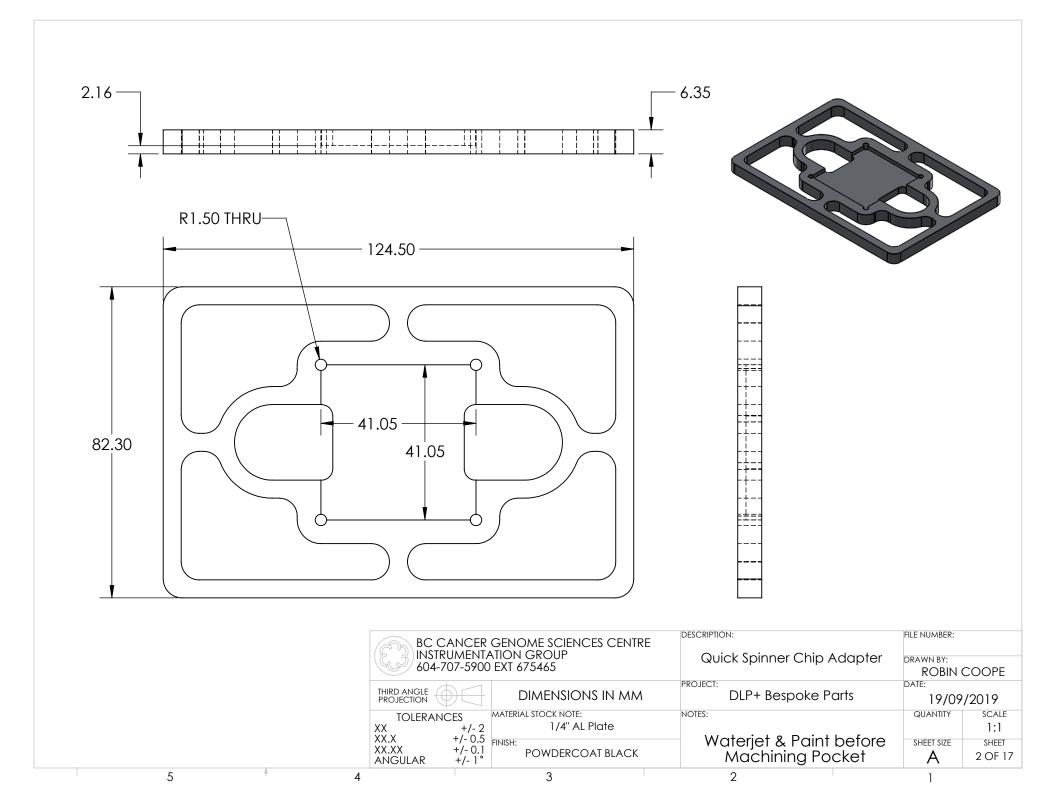
SmartChip Cellenone Cradle Rev 5.

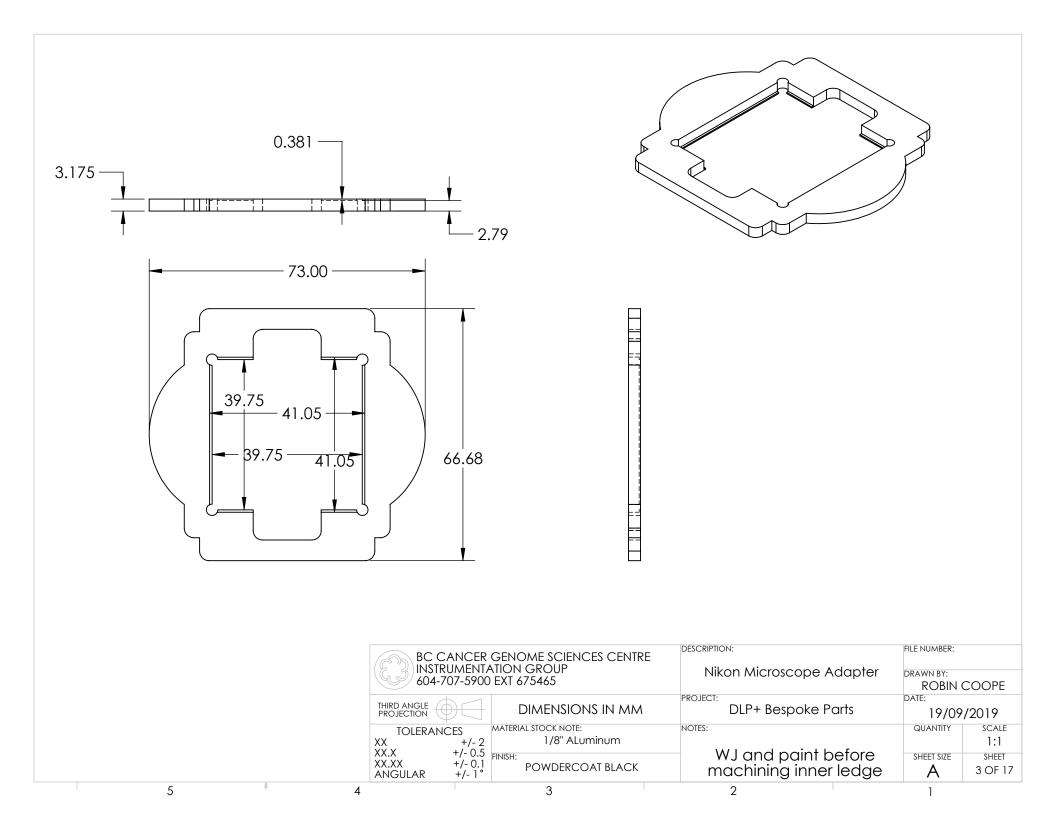


Cellenone Double Reservoir

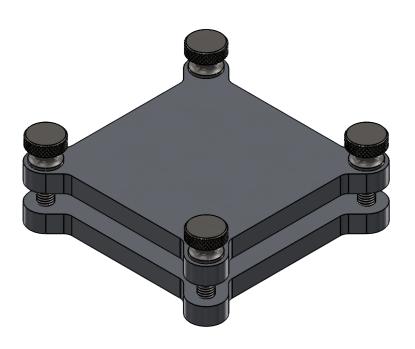


Cellenone 12 Chip Index Spotting Adapter



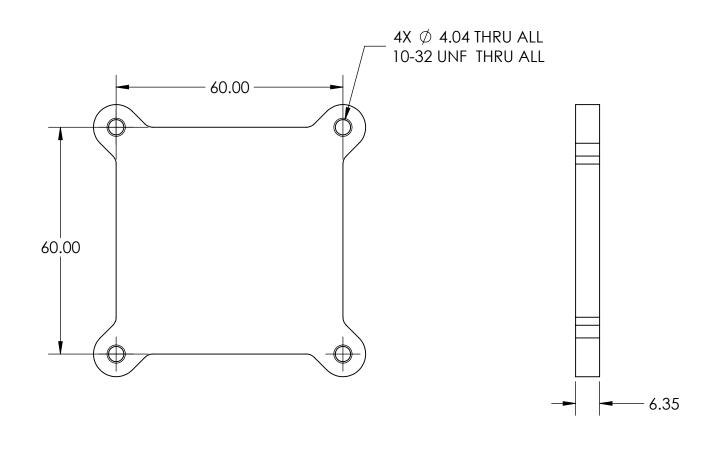


ITEM NO.	DESCRIPTION	QTY.	Vendor	StockNote	Finish
1	Yellow Submarine Base	1		1/4" AL Plate	PCOAT BLACK or YELLOW
2	Yellow Submarine Top	1		1/4" AL Plate	PCOAT BLACK or YELLOW
3	Thumbscrews	4	McMaster Carr	McM 99607A169	PLAIN



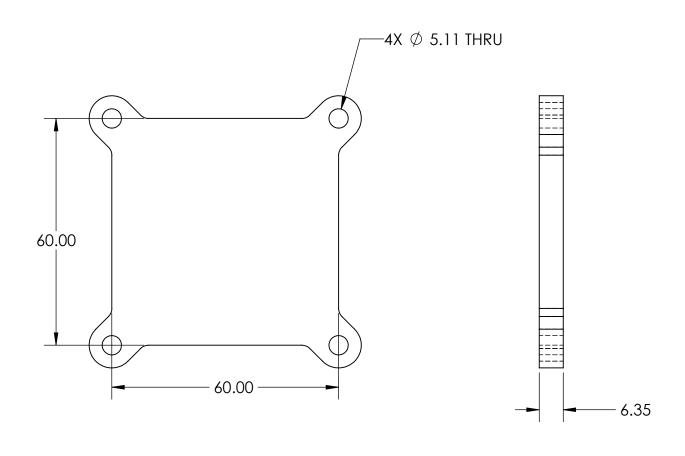
BCCA GENOME SCIENCES CENTRE ENGINEERING TECHNOLOGY DEVELOPMENT 604-707-5900 EXT 5465	Submarine Assembly	DRAWN BY:	Coope
THIRD ANGLE PROJECTION DIMENSIONS IN MM	PROJECT: DLP+ Yellow Submarine	DATE: 19/09	/2019
TOLERANCES XX	NOTES:	QUANTITY 1 SHEET SIZE	SCALE 1:1 SHEET 4 OF 17

5 4 3 2



	GENOME SCIENCES CENTRE ATION GROUP	DESCRIPTION:	FILE NUMBER:		
604-707-5900		Yellow Submarine Base	drawn by: ROBIN COOPE		
THIRD ANGLE	511 151 161 61 16 11 1 1 1 1	PROJECT:	DATE:		
PROJECTION PROJECTION	DIMENSIONS IN MM	DLP+ Yellow Submarine	19/09/2019		
TOLERANCES	MATERIAL STOCK NOTE:	NOTES:	QUANTITY	SCALE	
XX +/- 2	1/4" AL Plate			1:1	
XX.X +/- 0.5 XX.XX +/- 0.1	FINISH:		SHEET SIZE	SHEET	
XX.XX +/- 0.1 ANGULAR +/- 1°	PCOAT BLACK or YELLOW		Α	5 OF 17	

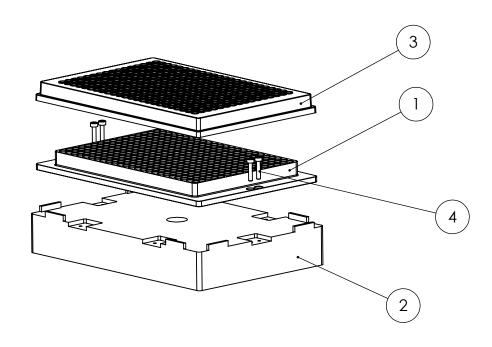
4 3 2



	GENOME SCIENCES CENTRE ATION GROUP) EXT 675465	Yellow Submarine Top	FILE NUMBER: DRAWN BY: ROBIN COOF	
THIRD ANGLE PROJECTION	DIMENSIONS IN MM	PROJECT: DLP+ Yellow Submarine	DATE: 19/09	/2019
TOLERANCES XX +/- 2 XX.X +/- 0.5	MATERIAL STOCK NOTE: 1/4" AL Plate	NOTES:	QUANTITY	SCALE 1:1
XX.XX +/- 0.1 ANGULAR +/- 1°	PCOAT BLACK or YELLOW		SHEET SIZE	SHEET 6 OF 17

4 3 2

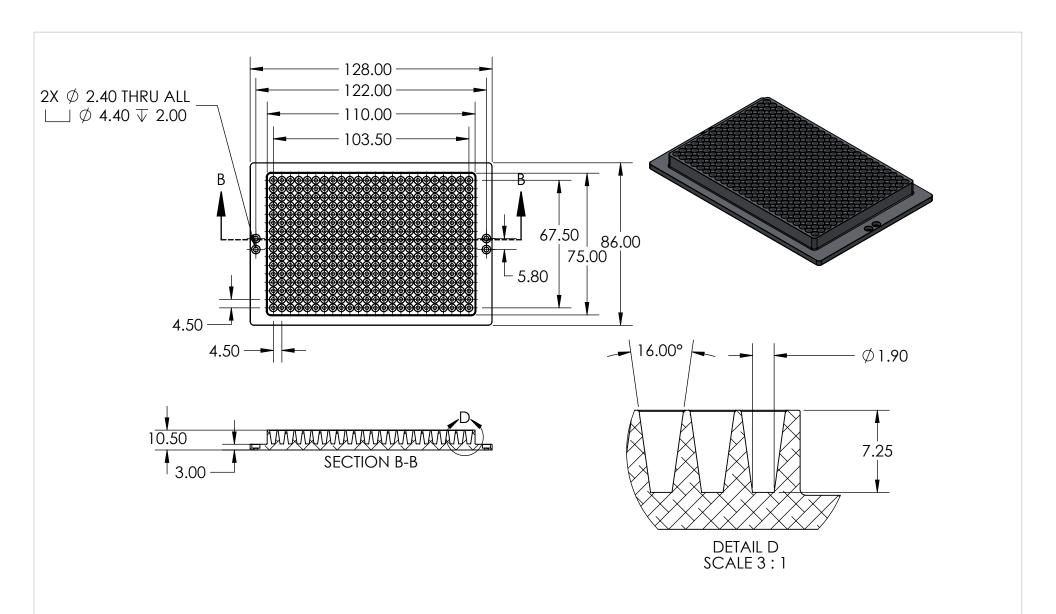
ITEM NO.	DESCRIPTION	QTY.	PART NO.	Vendor	StockNote	Finish
1	Sciflex 384 Chiller Adapter Plate	1	Rev 1.1	GSC	1/2" AL Plate	PLAIN
2	Sciflex Chiller Base	1		Scienion		
3	Armadillo 384 PCR Plate	1				
4	M2 Screws	4				



5

	GENOME SCIENCES CENTRE ATION GROUP) EXT 675465	DESCRIPTION: Flex 384 Well Chiller Adapter Assem	FILE NUMBER: Rei Dalywn BY: Phil	
THIRD ANGLE PROJECTION	DIMENSIONS IN MM	PROJECT: Sciflex 384 Well Chiller Adapter	DATE: 19/09	/2019
TOLERANCES XX +/- 2 XX.X +/- 0.5 XX.XX +/- 0.1 ANGULAR +/- 1°	MATERIAL STOCK NOTE: FINISH:	notes:	QUANTITY 1 SHEET SIZE	SCALE 1:2 SHEET 7 OF 17

4 3 2

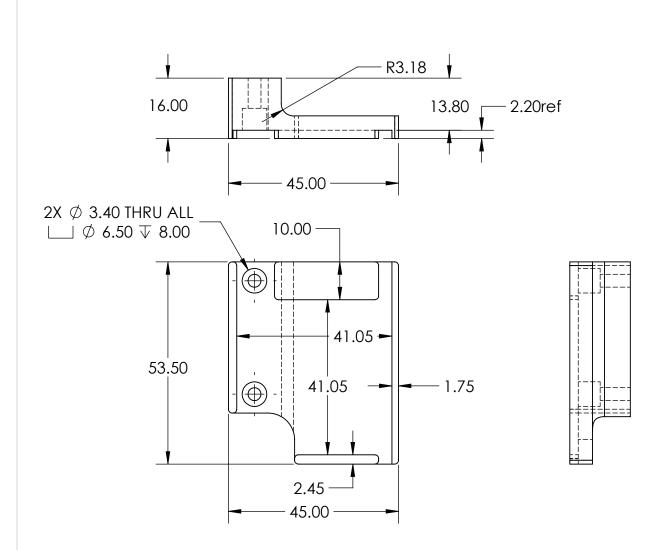


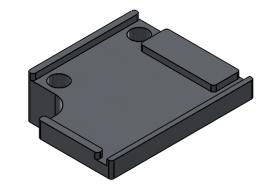
NOTES:

- Remove all burrs and sharp edges
- Anodize clear (Type II, Class I, 0.5 thou coating thickness)
- Ensure smooth surface finish on bottom for thermal transfer

	GENOME SCIENCES CENTRE ATION GROUP EXT 675465	Sciflex 384 Chiller Adapter Plate	FILE NUMBER: Rev DRAWN BY: PHIL	
THIRD ANGLE PROJECTION	DIMENSIONS IN MM	DLP+ Bespoke Parts	19/09	/2019
TOLERANCES XX +/- 2 XX.X +/- 0.5	MATERIAL STOCK NOTE: 1/2" AL Plate	NOTES:	QUANTITY	SCALE 1:2
XX.X +/- 0.5 XX.XX +/- 0.1 ANGULAR +/- 1°	FINISH: PLAIN		SHEET SIZE A	SHEET 8 OF 17

4 3 2

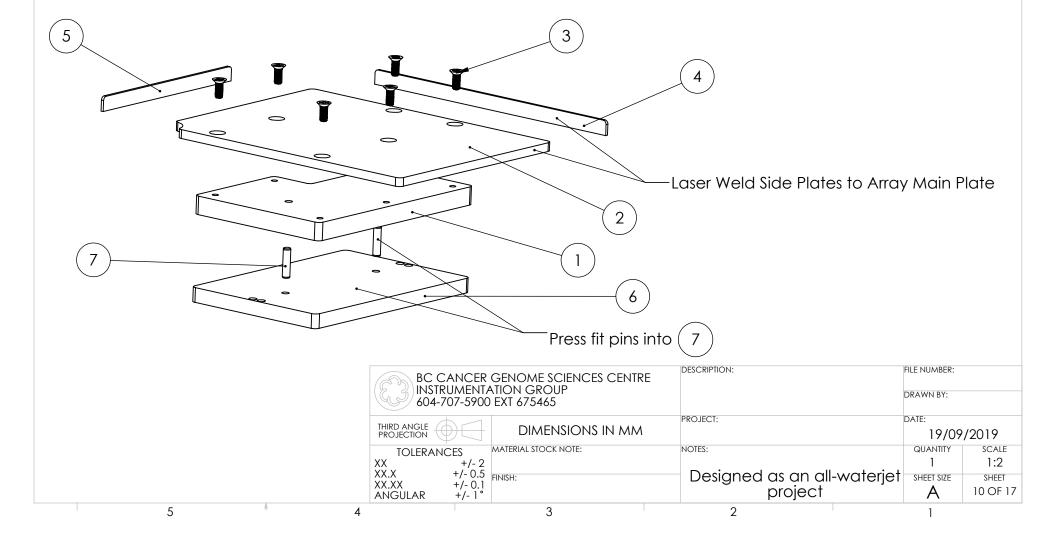


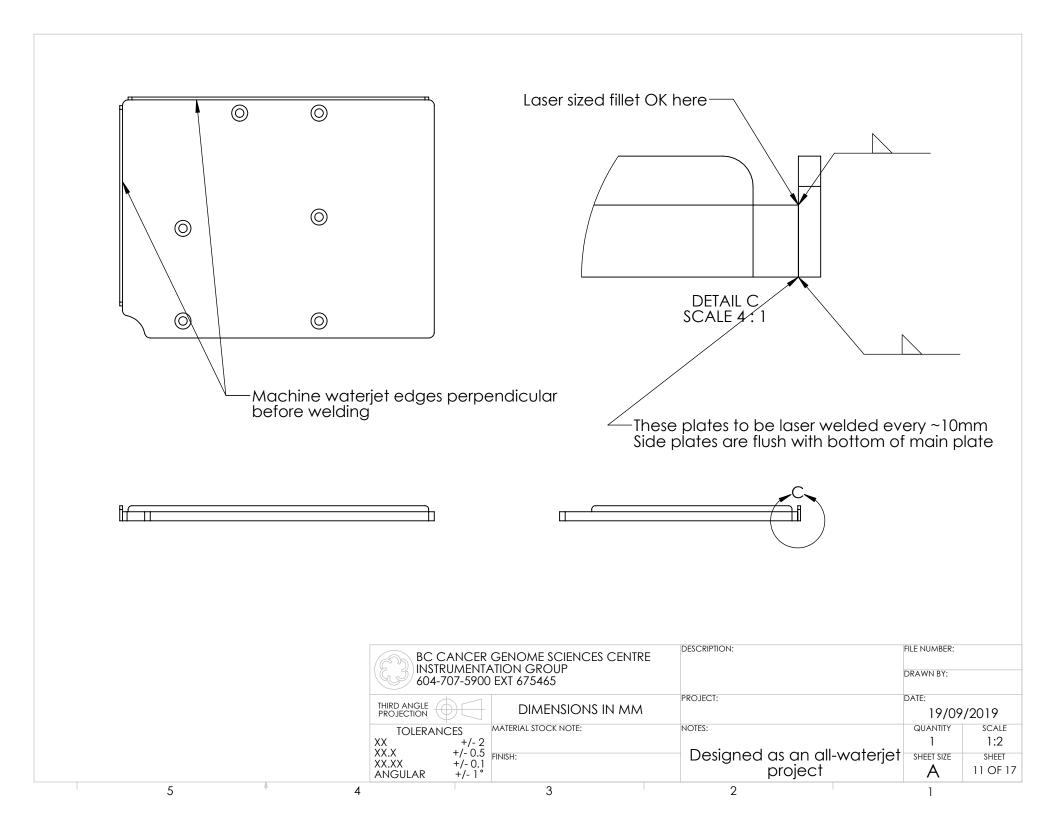


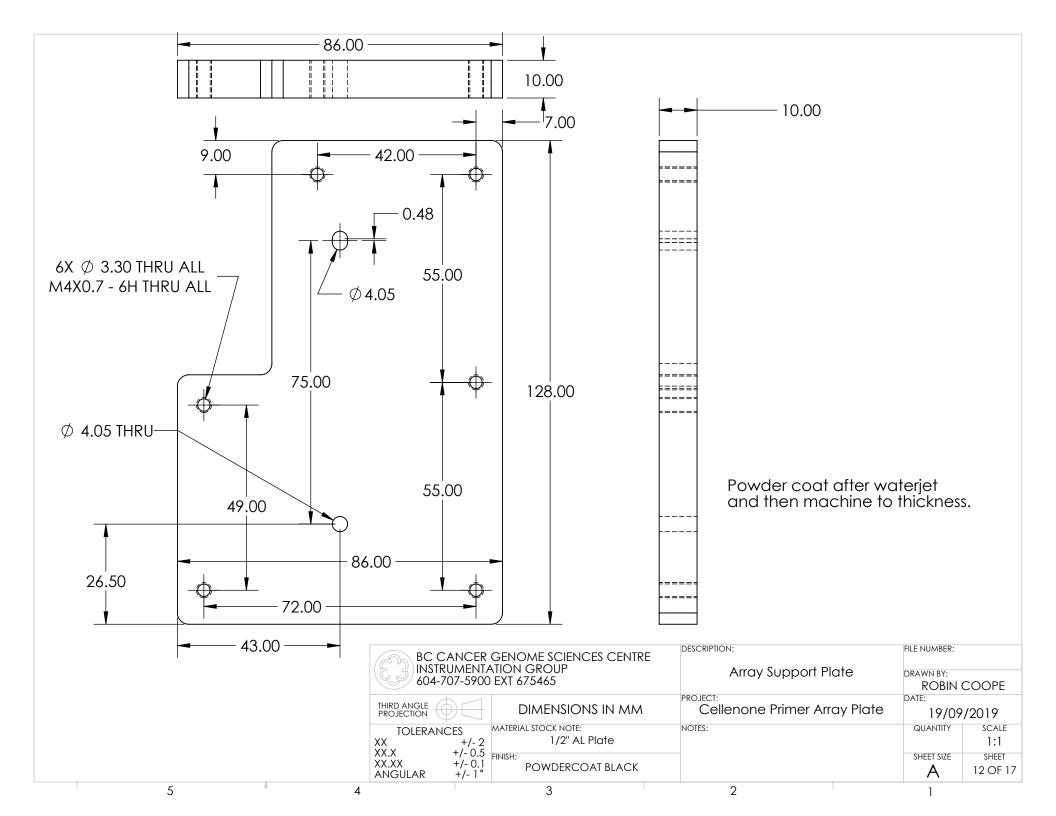
BC CANCER GENOME SCIENCES CENTRE INSTRUMENTATION GROUP			DESCRIPTION: Cellenone Chip Mount R4	FILE NUMBER: DRAWN BY:		
604-707-5900 EXT 675465		EXT 6/5465	·	ROBIN COOPE		
THIRD ANGLE PROJECTION		DIMENSIONS IN MM	DLP+ Bespoke Parts	DATE: 19/09	/2019	
TOLERANCES		MATERIAL STOCK NOTE:	NOTES:	QUANTITY	SCALE	
	+/- 2 - 0.5	3/4" AL Plate	De oro or colle the oro D2		1:1	
	- 0.3	finish: PLAIN	Deeper walls than R3	SHEET SIZE	SHEET	
	/- 1°	I LAIN		Α	9 OF 17	

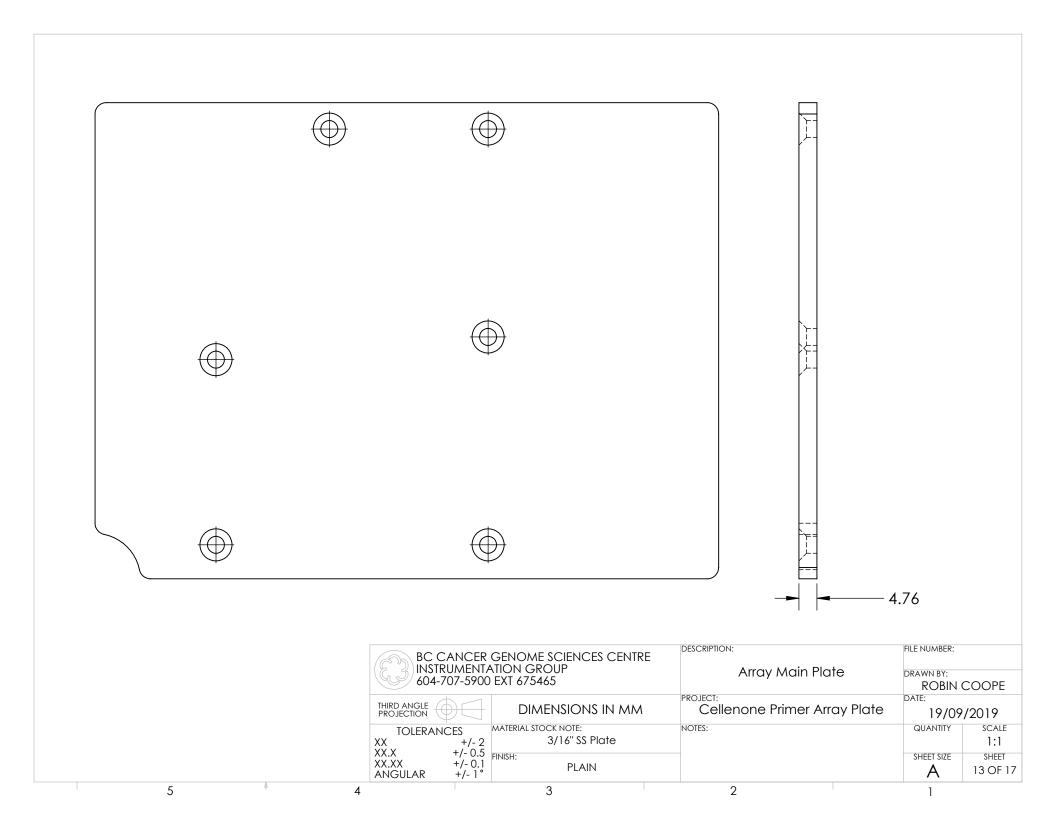
5 4 3 2

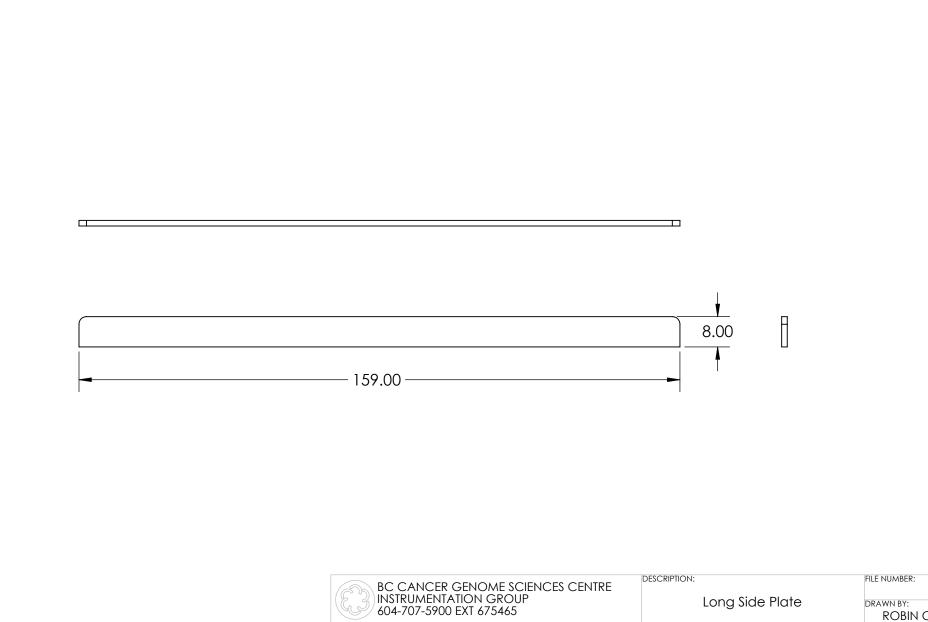
ITEM NO.	DESCRIPTION	QTY.	PART NO.	StockNote	Finish
1	Array Support Plate	1		1/2" AL Plate	POWDERCOAT BLACK
2	Array Main Plate	1		3/16" SS Plate	PLAIN
3	M4x10mm FHCS	6	McM 9210A220	McM 9210A220	PLAIN
4	Long Side Plate	1		16Ga 304SS	PLAIN
5	Short Side Plate	1		16Ga Stainless	PLAIN
6	12 Chip Cellenone Adapter Plate	1	Rev 1.1	1/2" AL Plate	POWDERCOAT BLACK
7	4x16mm Collimator Alignment Pins	2	McM 93600A437	McM 93600A437	PLAIN



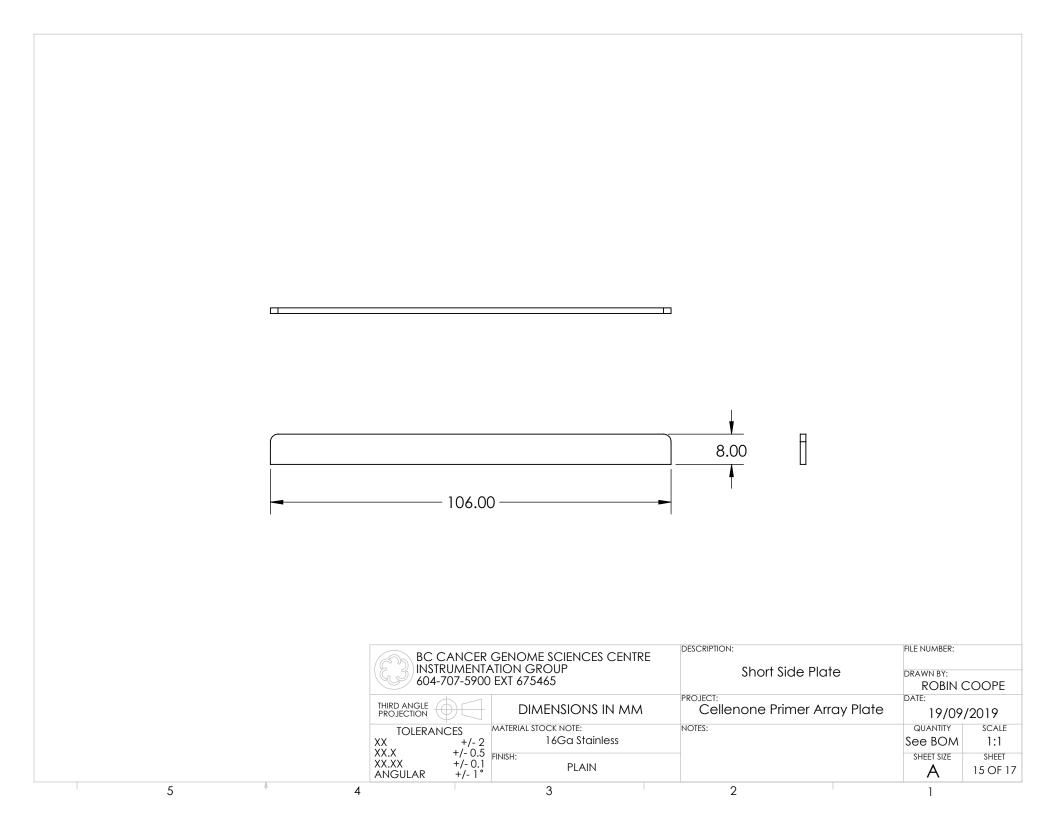


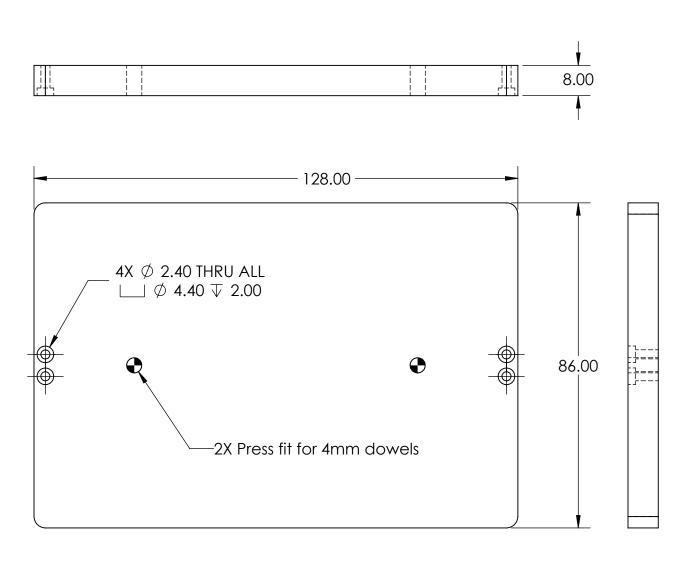






ROBIN COOPE PROJECT: DATE: THIRD ANGLE PROJECTION DIMENSIONS IN MM Cellenone Primer Array Plate 19/09/2019 MATERIAL STOCK NOTE: NOTES: QUANTITY SCALE **TOLERANCES** +/- 2 +/- 0.5 +/- 0.1 +/- 1° 16Ga 304SS See BOM 1:1 XXXX.X XX.XX SHEET SIZE SHEET **PLAIN** Α 14 OF 17 ANGULAR



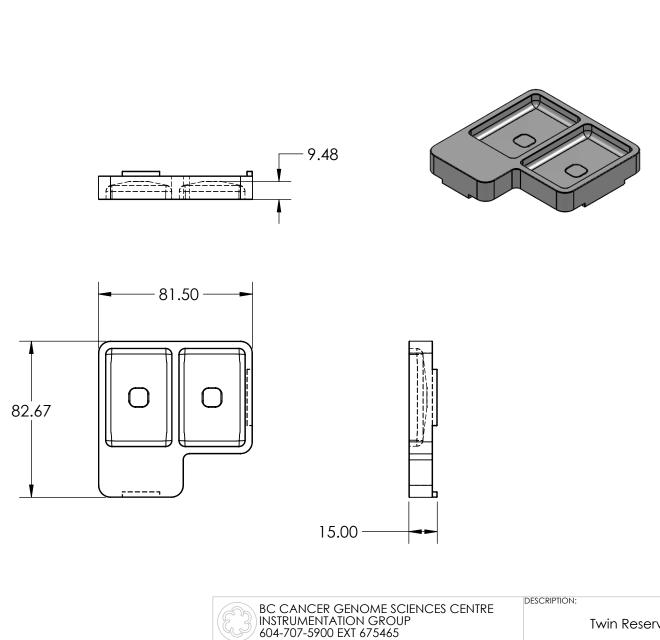


Powder Coat then machine after to thickness

	DME SCIENCES CENTRE G TECHNOLOGY DEVELOPM D EXT 5465	ENT 12 Chip Cellenone Adapter Plate		' 1.1 TSAO
THIRD ANGLE PROJECTION	DIMENSIONS IN MM	PROJECT: DLP+ Bespoke Parts	DATE: 19/09	/2019
TOLERANCES XX +/- 2 XX.X +/- 0.5	MATERIAL STOCK NOTE: 1/2" AL Plate	NOTES:	QUANTITY	SCALE 1:1
XX.X +/- 0.5 XX.XX +/- 0.1 ANGULAR +/- 1°	FINISH: POWDERCOAT BLACK		SHEET SIZE	SHEET 16 OF 17

•

3



	GENOME SCIENCES CENTRE ATION GROUP) EXT 675465	DESCRIPTION: Twin Reservoir	FILE NUMBER: Rev 2 DRAWN BY: ROBIN COOPE	
THIRD ANGLE PROJECTION	DIMENSIONS IN MM	PROJECT: DLP+ Bespoke Parts	DATE: 19/09	/2019
TOLERANCES XX +/- 2	MATERIAL STOCK NOTE: 3/4" PTFE	NOTES:	QUANTITY	SCALE 1:2
XX.X +/- 0.5 XX.XX +/- 0.1 ANGULAR +/- 1°	FINISH: PLAIN		SHEET SIZE	SHEET 17 OF 17

4 3 2