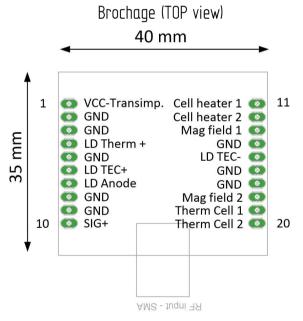
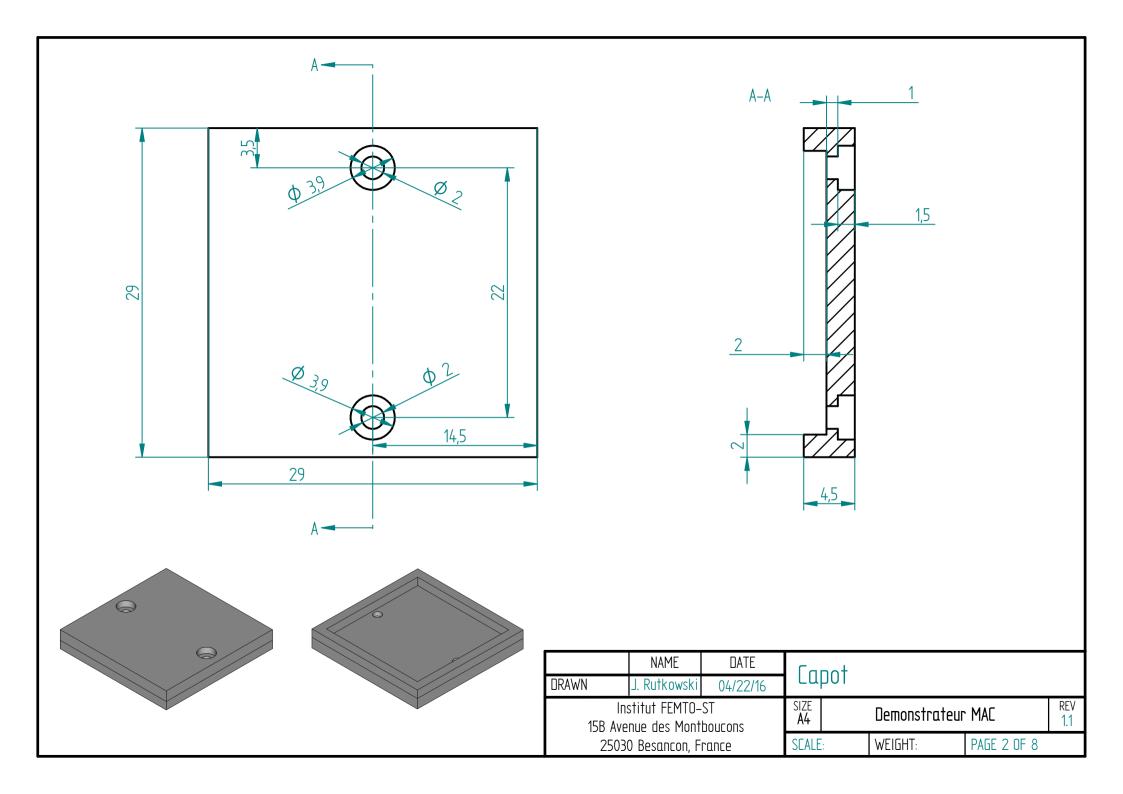


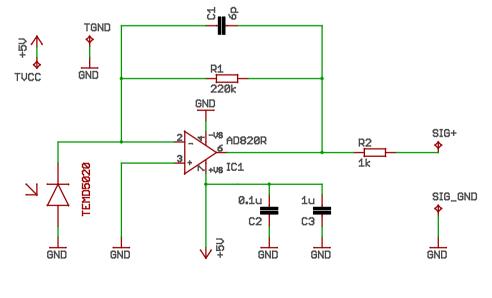
Sous-Ensembles							
Numéro	Description	Matériau	Page				
1	Capot	Polyamide	2				
2	Assemblage Photodiode	FR4	3–4				
3	Entretoise	Polyamide	5				
4	Assemblage Module Physique	_	_				
5	Assemblage VESEL	FR4	6–8				



	NAME	DATE	Nessin d'ensemble					
DRAWN	J. Rutkowski	04/22/16	חהצצווו ח הווצהוווחוה					
Institut FEMTO-ST 15B Avenue des Montboucons		SIZE <b>A4</b>		Demonstrateur	· MAC	REV 1.1		
	25030 Besancon, France		SCALE	:	WEIGHT:	PAGE 1 OF 8		



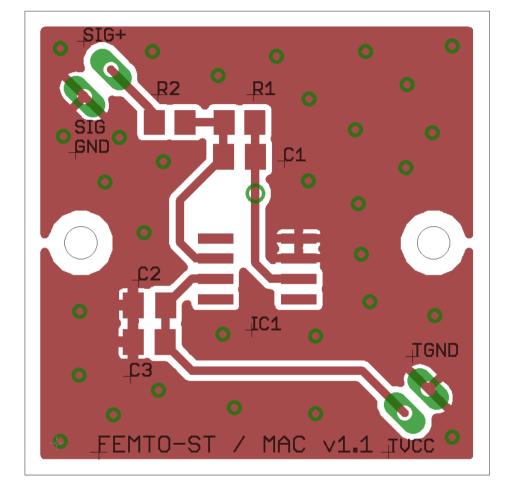
	Bill of Materials									
Name	Value	Package	Description	Manufacturer	MPN	Farnell PN	Approx. Unit Price			
C1	6р	0805	Condensateur céramique, 6 pF, ± 0.5pF, COG / NPO, 50 V	MULTICOMP	ME0805N6R0D500ET	1759185	0,0578			
С2	0,1и	0805	Condensateur céramique, 0.1 µF, ± 10%, X7R, 50 V	WALSIN	0805B104K500CT	2496944	0,0172			
[3	<b>1</b> u	0805	Condensateur céramique, Série C, 1 µF, ± 10%, X7R, 25 V	KEMET	C0805C105K3RACTU	1637035	0,0636			
R1	220k	0805	Résistance CMS, Couche mince, 220 kohm, 100 mW, ± 0.1%, 100 V	SUSUMU	RR1220P-224-B-T5	1653300	0,534			
R2	1k	0805	Résistance CMS, Couche métallique, 1 kohm, 125 mW, ± 0.1%, 200 V	PANASONIC	ERA6ARB102V	1717624	1,21			
D1		SMD	PHOTODIODE 900NM 5 2MM	VISHAY	TEMD5020X01	2251275	1,25			
IC1		SOIC-8	Amplificateur opérationnel, Simple	ANALOG DEVICES	AD820ARZ	9426469	4,01			

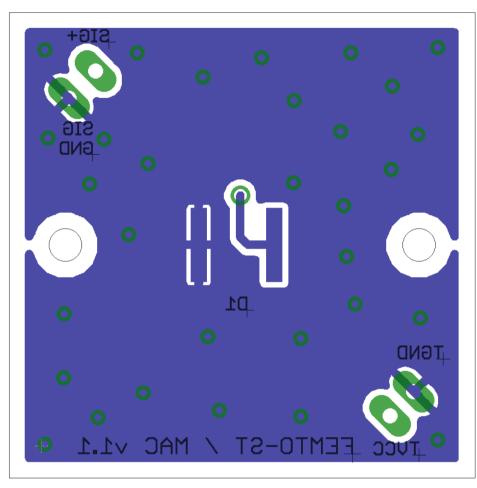


	NAME	DATE	Assemblage Photodiode (1/2)					
DRAWN	J. Rutkowski	04/22/16	Assemblage Filorodiode (1/2)					
Institut FEMTO-ST 15B Avenue des Montboucons			SIZE <b>A4</b>		Demonstrateur	· MAC	REV 1.1	
2503	25030 Besancon, France		SCALE	:	WEIGHT:	PAGE 3 OF 8		

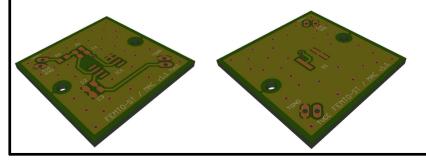
### Couche TOP

# Couche BOTTOM

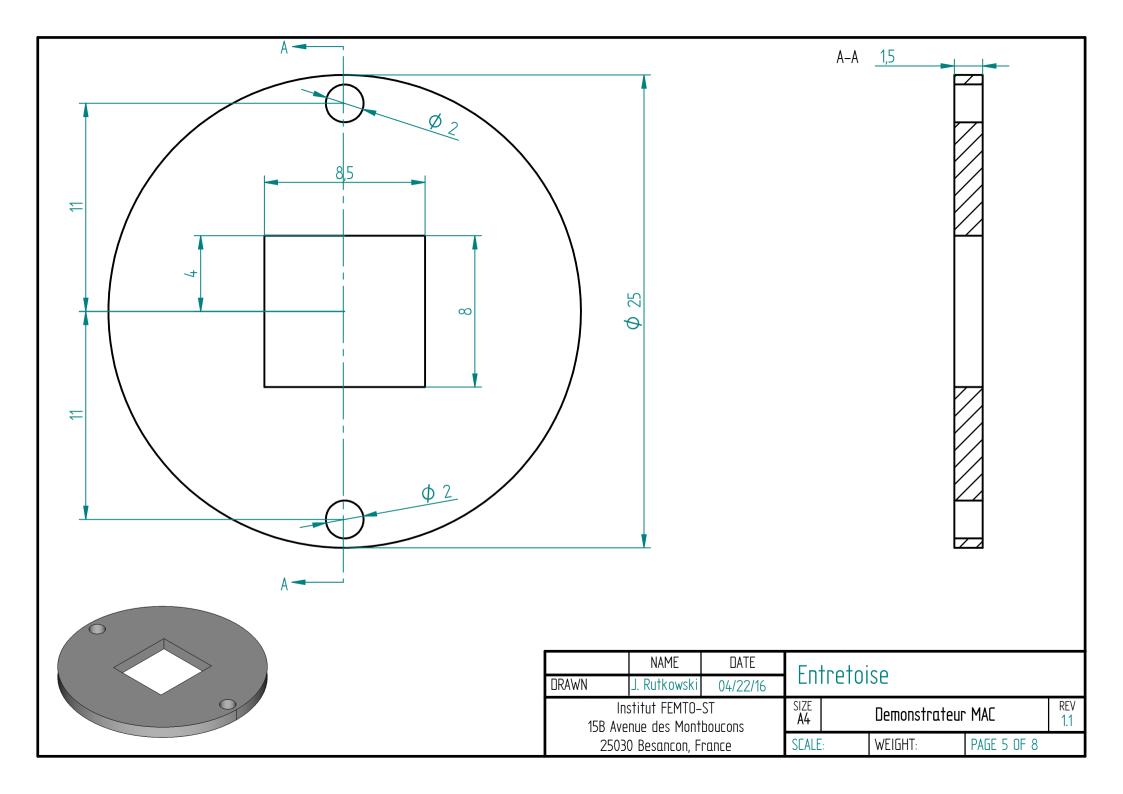


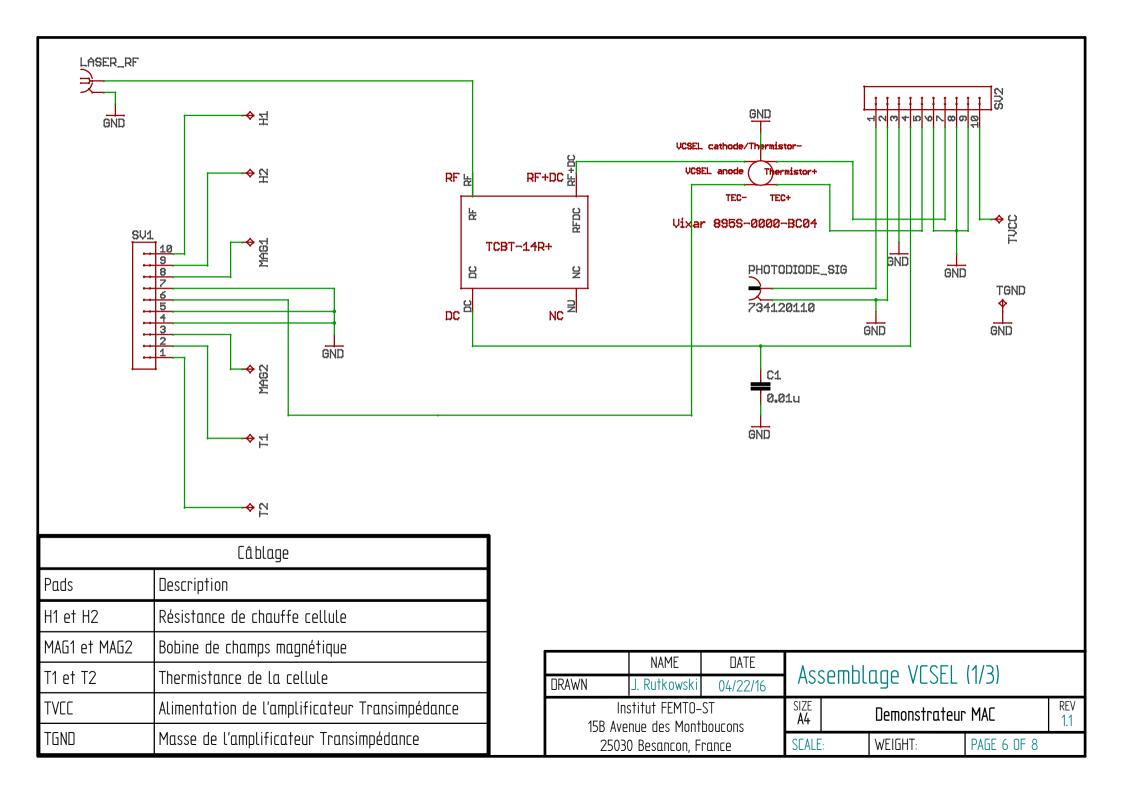


Dimensions de la plaque 29 x 29 mm



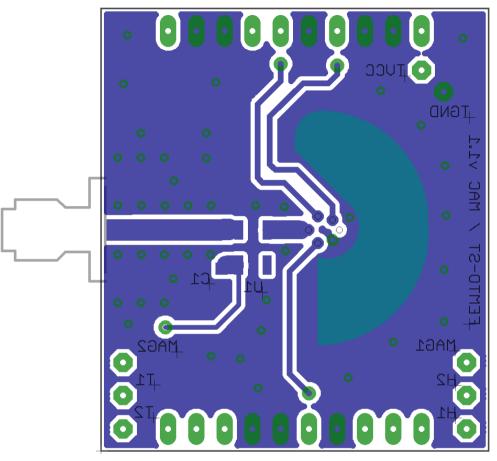
	NAME	DATE	Assemblage Photodiode (2/2)					
DRAWN	J. Rutkowski	04/22/16	Assemblage Photodiode (2/2)					
	Institut FEMTO-ST 15B Avenue des Montboucons			Demonstrateur MAC			REV 1.1	
	25030 Besancon, France		SCALE		WEIGHT:	PAGE 4 OF 8		



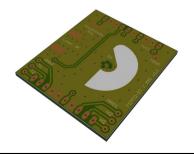


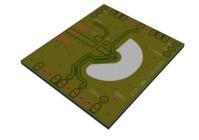
# Couche TOP

# Couche BOTTOM



Dimensions de la plaque 35 x 40 mm





	NAME	DATE	Assemblage VESEL (2/3)				
DRAWN	J. Rutkowski	04/22/16					
Institut FEMTO-ST 15B Avenue des Montboucons			SIZE <b>A4</b>		Demonstrateur	· MAC	REV 1.1
2503	25030 Besancon, France		SCALE	:	WEIGHT:	PAGE 7 OF 8	

	Bill of Materials										
Name	Value	Package	Description	Manufacturer	MPN	Distributor	Distributor PN	Quantity	Approx. Unit Price		
C1	0.01u	0603	Condensateur céramique multicouche CMS, 0.01 µF, ± 5%, X7R, 50 V	WALSIN	0603B103J500ET	Farnell	2496824	1	0,0117		
LASER_RF		SMA	Coaxial SMA, Jack droit, A souder, 50 ohm, Cuivre-béryllium	NOSNHOL	142-0701-851	Farnell	1019325	1	4,97		
PHOTODIODE_SIG		U.FL	Coaxial RF, Jack droit, Montage en surface vertical, 50 ohm, Laiton	MOLEX	73412-0110	Farnell	1340200	1	0,784		
Q1		T0-46	895±0.5 nm single mode VCSEL on a TO can six leaded can with TEC & Thermistor	VIXAR	895S-0-BC02	Laser 2000	VIX-895S-000 0-BE04	1	400		
SV1, SV2			Connecteur carte-à-carte, Bas Profil, Série BBL, Traversant, Embase, 10, 2.54 mm	SAMTEC	BBL-110-G-E	Farnell	1667438	2	4,05		
U1		PL-146	Surface Mount Bias-Tee, 50 Ohm, Wideband 10 MHz to 10 GHz	Mini-Circuits	TCBT-14R+	Elexience	TCBT-14R+	1	10		

	NAME	DATE	Assemblage VESEL (3/3)				
DRAWN	J. Rutkowski	04/22/16					
Institut FEMTO-ST 15B Avenue des Montboucons			SIZE <b>A4</b>		Demonstrateur	· MAC	REV 1.1
250	25030 Besancon, France		SCALE	-	WEIGHT:	PAGE 8 OF 8	