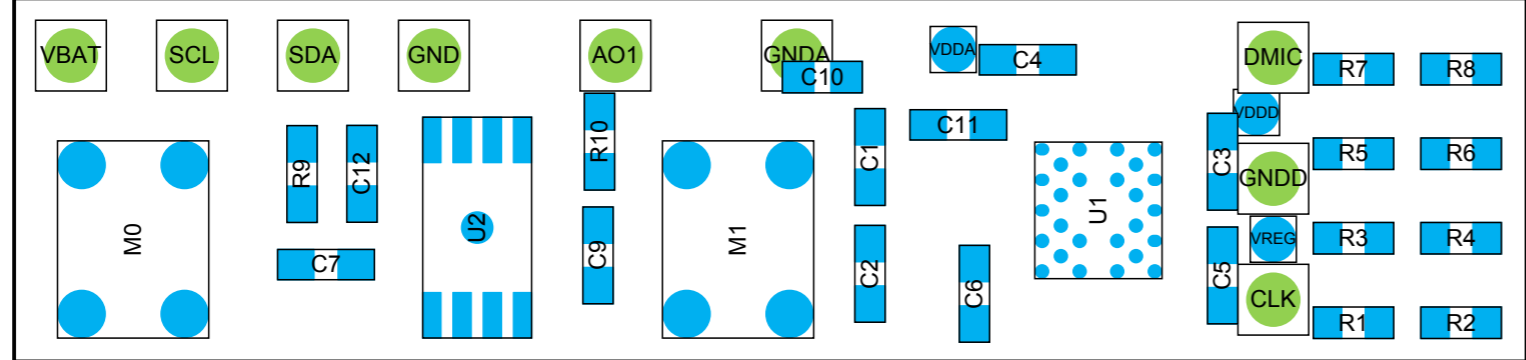


View from Top side (Scale 8)

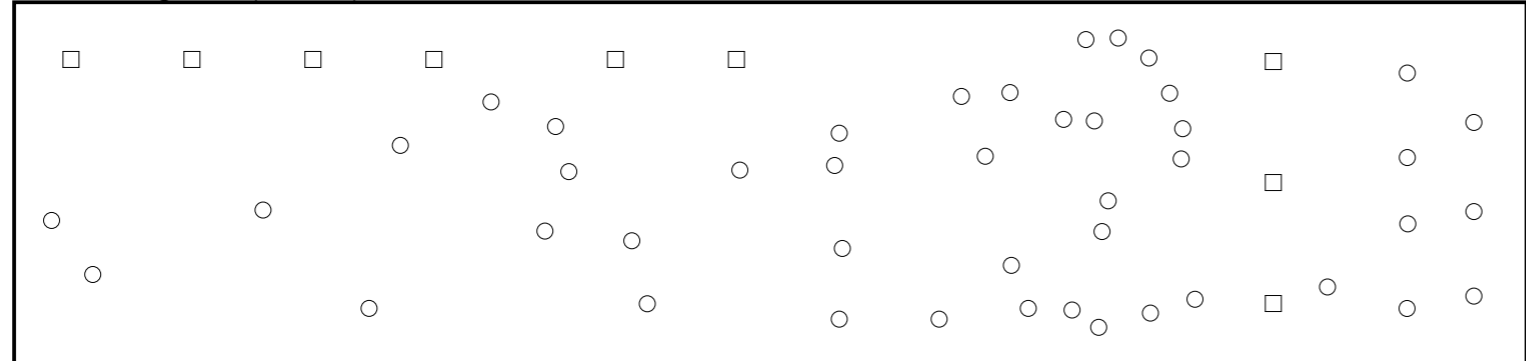


Supply VBAT to GND is nominal 3.3V (Tol.: 1.65Vdc to 3.6Vdc)

Microphone spout position

Test points:  
 VDDA to GND is nominal 2.0Vdc (Tol.: 1.8Vdc to 2.1 Vdc)  
 VDDD to GND is nominal 1.7 Vdc (Tol.: 1.62 to 1.98 Vdc)  
 VREG to GND is nominal 1.0 Vdc (Tol.: 0.95Vdc to 1.05Vdc)

Drill Drawing View (Scale 8)



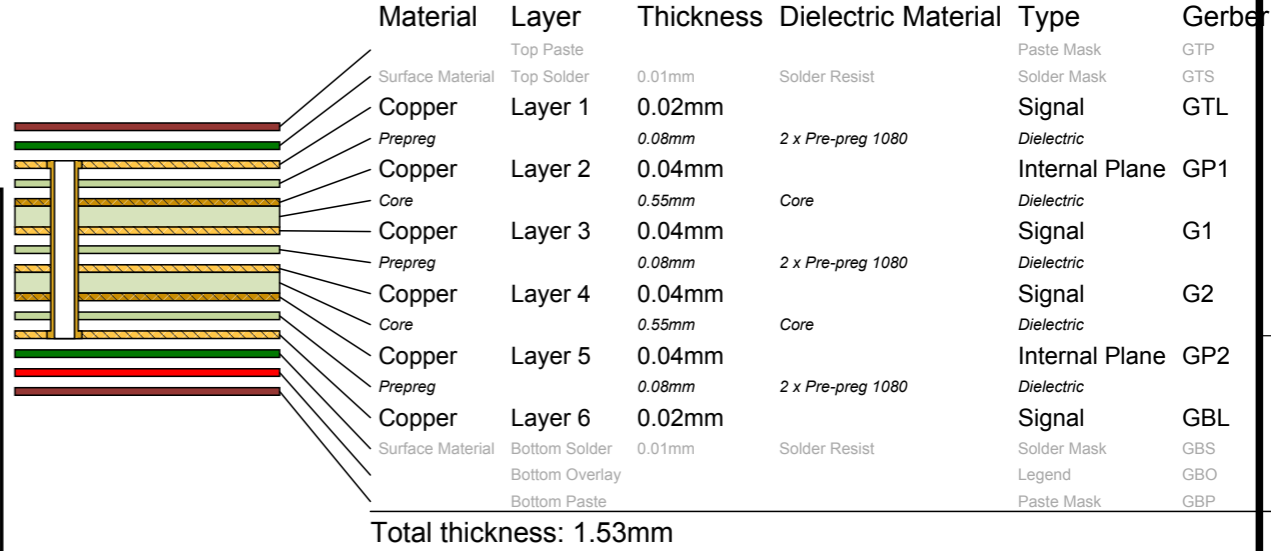
Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
○	44	0.20mm	Plated	None
□	9	0.56mm	Plated	None
	53 Total			

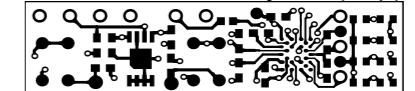
Bill of materials

Designator	Part Number	Description	Quantity	Supplier	Supplier Part Number
U1	BR262W30A103E1G	ON Semiconductor Audio DSP BR262	1	Sällberg Technologies	BR262W30A103E1G
C10	C1005X5R1A225K	CAP CER 2.2UF 10V X5R 0402	1	Digikey	445-7392-1-ND
U2	CAT24C64HU4I-GT3	IC EEPROM 64KBIT 400KHZ 8UDFN	1	Digikey	CAT24C64HU4I-GT3OSCT-ND
R2, R9, R10	RC0402FR-0710KL	RES SMD 10K OHM 1% 1/16W 0402	3	Digikey	311-10.0KLRCT-ND
M0, M1	SPU0410HR5H-PB	MIC MEMS ANALOG OMNI -42DB	2	Digikey	423-1138-1-ND
C11, C12	TMK105BJ104KV-F	CAP CER 0.1UF 25V X5R 0402	2	Digikey	587-1456-1-ND
C7, C9	UMK105B7103KV-F	CAP CER 10NF 50V X7R 0402	2	Digikey	587-2238-1-ND
R3, R6, R7	RC0402FR-07100KL	RES SMD 100K OHM 1% 1/16W 0402	3	Digikey	311-100KLRCT-ND
R4, R5, R8	RC0402FR-0775KL	RES SMD 75K OHM 1% 1/16W 0402	3	Digikey	311-75KLRCT-ND
C1, C2, C3, C5, C6	GRM155R61A105ME15D	CAP CER 1UF 10V X5R 0402	5	Digikey	490-5409-1-ND
R1	R0402_DNI	do not insert	1	DO NOT INSERT	-
C4	C0402_DNI	do not insert	1	DO NOT INSERT	-

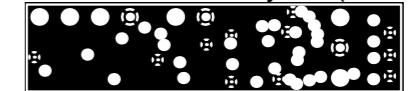
Layer Stack Legend



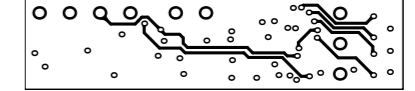
Fabrication view Layer 1 (Top) (Scale 2)



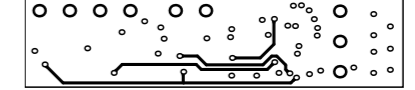
Fabrication view Layer 2 (Scale 2)



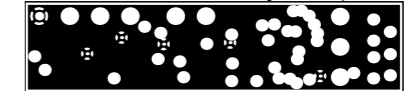
Fabrication view Layer 3 (Scale 2)



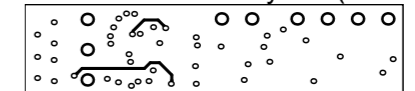
Fabrication view Layer 4 (Scale 2)



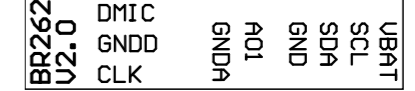
Fabrication view Layer 5 (Scale 2)



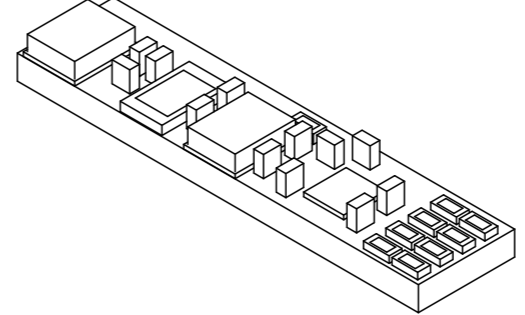
Fabrication view Layer 6 (Bottom view) (Scale 2)



Print white Bottom view (Scale 2)



3D view from Front side (Scale 3)



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES:		FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
DRAW	BSA	SIGNATURE	DATE			TITLE:		PM2	
CHK'D						DWG NO.		A0	
APPV'D				MATERIAL:		SCALE 1:1		SHEET 1 OF 1	
MFG				WEIGHT:					
QA									