

Fabrication Drawing

All dimensions in mm

LAYER USAGE

Top Overlay (G10)

Top Layer (GTL)

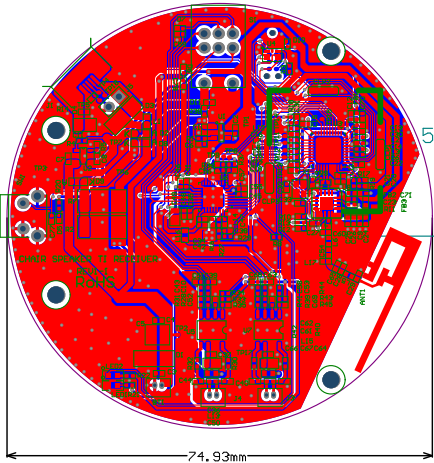
Bot Layer (GBL)

MULTILAYER

Fabrication (GMI2)

REVISION HISTORY	REVISION	DATE
Intial draft	REVO-2	10-MAY-2021
Layout for approval.	REVO-3	29-MAY-2021
Final Datapackage Release	REVO-4	11-Aug-2021
LED1 Connected to UCHARG. Final Datapackage Release	REV1-0	04-Sept-2021
LED2 position updated as per CS4 dxf. Final Datapackage Release	REV1-1	20-Apr-2022

Note:  
50 OHM impedance controlled track is as per Impedance\_info.GMI0 layer



50 OHM Impedance Co-Planner WaveGuide

Layer Stack Table

Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0.010mm	3.5	
1	Top Layer	Copper	0.018mm		
	Dielectric1	FR-4	1.544mm	4.2	
2	Bot Layer	Copper	0.018mm		
	Bottom Solder	Solder Resist	0.010mm	3.5	
	Bottom Overlay				

Total board thickness: 1.600mm

BOARD PROPERTIES

X-DIMENSION	Y-DIMENSION
74.93mm	74.93mm
LAYER COUNT	
2 Layers	
FINISHED THICKNESS	
1.6mm	
FINISH PLATING	
ENIG	
SOLDERMASK	SILKSCREEN
Green	White
Both Side	Both Side

ARRAY

X-DIMENSION	Y-DIMENSION
0"	0"
ARRAY-UP	
NO ARRAY	
<input type="checkbox"/> Tab Route?	<input type="checkbox"/> Scoring?

VIAS

BLIND/BURIED MICROVIAS	VIA-IN-PAD
No	NO
<input checked="" type="checkbox"/> SOLDERMASK PLUGGED VIAS	

SPECIAL ATTRIBUTES

<input type="checkbox"/> Controlled Dielectric?		
<input checked="" type="checkbox"/> Controlled Impedance?	Yes - 50 Ohm	
<input type="checkbox"/> Plated Slots?		
<input type="checkbox"/> Plated Edges?	Gold Fingers	NO
<input type="checkbox"/> Counterbores?	# Plated	# Non-plated
<input type="checkbox"/> Countersinks?	# Plated	# Non-Plated
<input type="checkbox"/> Castellated Holes?		
<input type="checkbox"/> High Pot Test?		
<input type="checkbox"/> Carbon Ink?		

CERTIFICATIONS

MFG STANDARD  
IPC 6012 CLASS 2  
BOW AND TWIST TOLERANCE  
WARPAGE MUST NOT BE MORE THAN 0.75%

BUILD STATISTICS

GENERAL	
NETS	96
COMPONENTS	183
PRIMITIVES	
FILLS	30
TRACKS	4771
STRINGS	431
ARCS	335
LANDS	
PADES	519
VIAS	359

PROJECT  
Chairspeaker TI Receiver

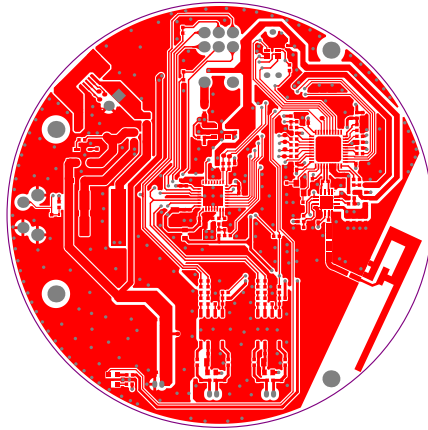
CUSTOMER  
Plastimold Products Inc

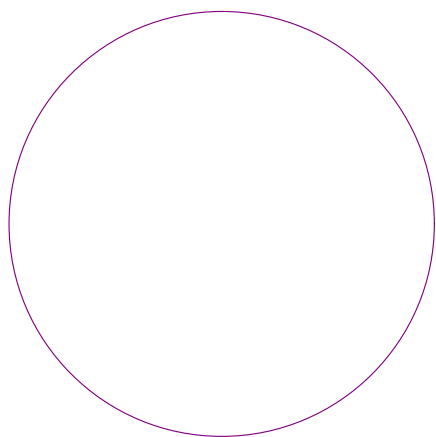
REVISION

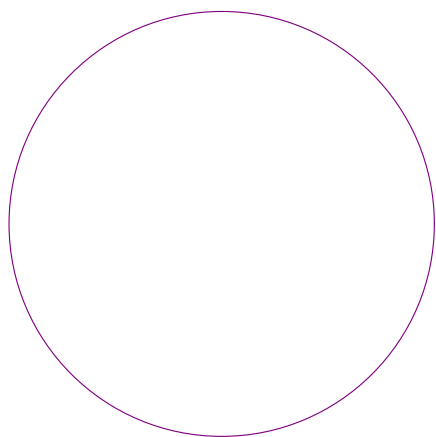
REV1-1

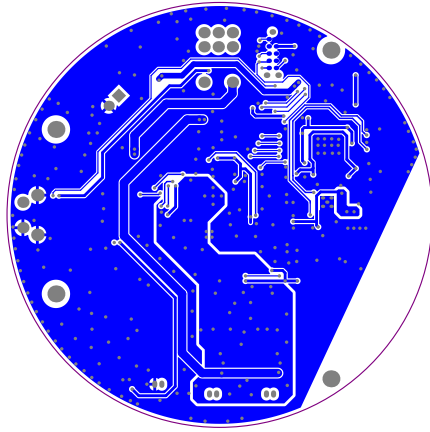
DATE

4/20/2022









Drill Drawing

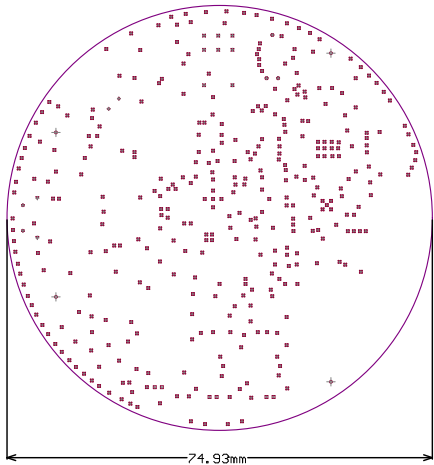
All dimensions in mm

LAYER USAGE

DRILL GUIDE (SLOTS)

DRILL DRAWING

MULTILAYER



Drill Chart

Symbol	Count	Hole Size	Plated	Hole Type	Drill Layer Pair
⊗	364	0.300mm (11.81mil)	PTH	Round	Top Layer - Bot Layer
□	6	0.600mm (23.62mil)	PTH	Round	Top Layer - Bot Layer
⊕	3	1.000mm (39.37mil)	NPTH	Round	Top Layer - Bot Layer
☆	2	1.000mm (39.37mil)	PTH	Round	Top Layer - Bot Layer
◇	2	1.100mm (43.31mil)	PTH	Round	Top Layer - Bot Layer
⌘	8	1.200mm (47.24mil)	PTH	Round	Top Layer - Bot Layer
▽	2	1.300mm (51.18mil)	PTH	Round	Top Layer - Bot Layer
○	4	3.000mm (118.11mil)	NPTH	Round	Top Layer - Bot Layer
391 Total					

BUILD STATISTICS

GENERAL	
NETS	96
COMPONENTS	183
PRIMITIVES	
FILLS	30
TRACKS	10757
STRINGS	431
ARCS	339
LANDS	
PADS	519
WAS	359

PROJECT	CHAIRSPeaker TI Receiver	REVISION	REV1-1
CUSTOMER	Plastimold Products Inc	DATE	4/20/2022