

Fabrication Overview

Board name: ADS1299-Based EEG Data
Acquisition and Front-End System
Revision: Rev A
Board size: 66.17mm X 65.17mm
Layer count: 4
Finish: ENIG
Solder mask: Green
Min trace/space: 8 mil / 8 mil
Min via: 10 drill / 20 pad

Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
⊗	68	0.25mm	Plated	
○	92	0.30mm	Plated	
□	56	1.10mm	Plated	
▽	3	3.00mm	Non-Plated	
219 Total				

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.01mm	Solder Resist	Solder Mask	GTS
Copper	Top Layer	0.04mm		Signal	GTL
Prepreg		0.07mm	PP-006	Dielectric	
CF-004	AGND PLANE	0.04mm		Signal	G1
		1.30mm	FR-4	Dielectric	
CF-004	POWER PLANE	0.04mm		Signal	G2
Prepreg		0.07mm	PP-006	Dielectric	
Copper	Bottom Layer	0.04mm		Signal	GBL
Surface Material	Bottom Solder	0.01mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO
Total thickness: 1.60mm					