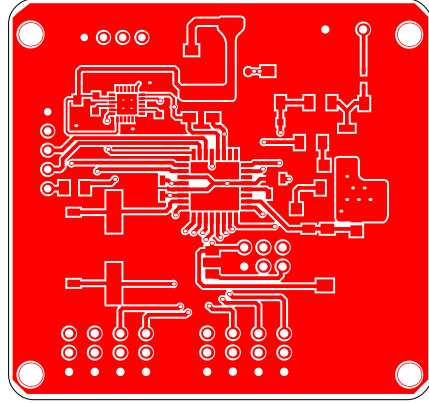
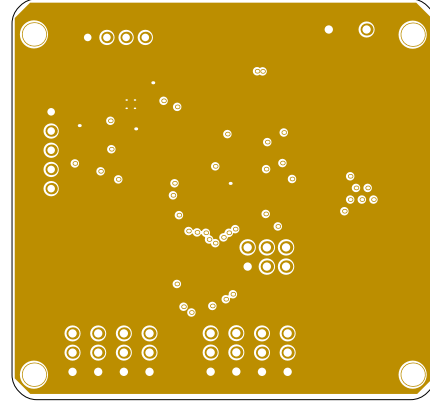


Top Layer (Scale 1:1)



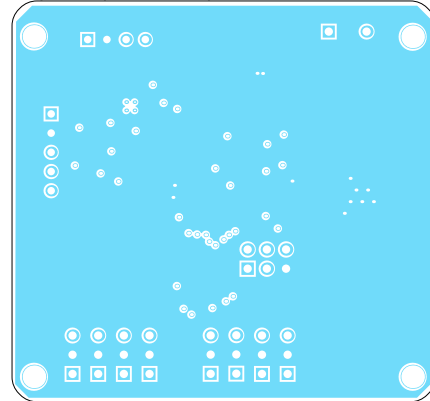
Layer 1 (Scale 1:1)



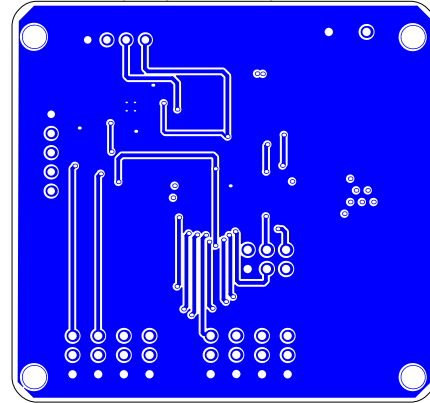
Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.010mm	Solder Resist	Solder Mask	GTS
CF-004	Top Layer	0.035mm		Signal	GTL
Prepreg		0.208mm	PP-022	Dielectric	
CF-003	Layer 1	0.018mm		Signal	G1
Prepreg		1.064mm	FR-4	Dielectric	
CF-003	Layer 2	0.018mm		Signal	G2
Prepreg		0.208mm	PP-022	Dielectric	
CF-004	Bottom Layer	0.035mm		Signal	GBL
Surface Material	Bottom Solder	0.010mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO
Total thickness: 1.607mm					

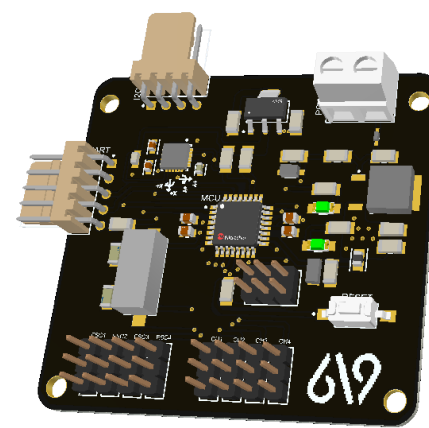
Layer 2 (Scale 1:1)



Bottom Layer (Scale 1:1)



Realistic View



ASSEMBLY NOTES

Board Name: Flight Controller bades on Atmega328

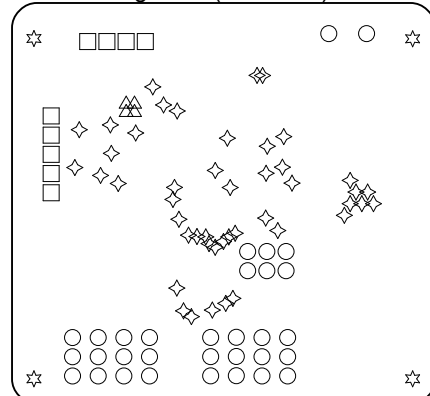
Rev: V1.0

1. Assemble in accordance with IPC-A-610, current revision, Class 2.
2. Solder electrical connections per latest revision of IPC J-STD-001.
3. This assembly contains ESD sensitive components. Handle per ANSI/ESD S20.20.
4. RoHS compliance required: Yes.
5. Mark with current assembly revision.
6. Mount components with polarity and orientation as shown on component designators/silkscreen.

Drill Table

Symbol	Count	Hole Size	Plated	Hole Type	Via / Pad
△	4	0.20mm	Plated	Round	Via
◇	46	0.40mm	Plated	Round	Via
□	9	1.00mm	Plated	Round	Pad
○	32	1.10mm	Plated	Round	Pad
☆	4	3.00mm	Plated	Round	Pad
95 Total					

Drill Drawing View (Scale 1:1)



NAME
DRAW Jawher MANSOUR
APPV'D Jawher MANSOUR

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:

DO NOT SCALE DRAWING

REVISION V1.0

LAB619 ENGINEERING & CONSULTING SERVICES

TITLE:

Flight Controller based on Atmega328

Comment.

A0

SCALE 1:1

SHEET 1 OF 1

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OR AS A WHOLE IS PROHIBITED.



MATERIAL:
FR-4 Standard Tg 130-140/
Tg 155