

LiPow

USB C PD Lipo Battery Charger Rev 04

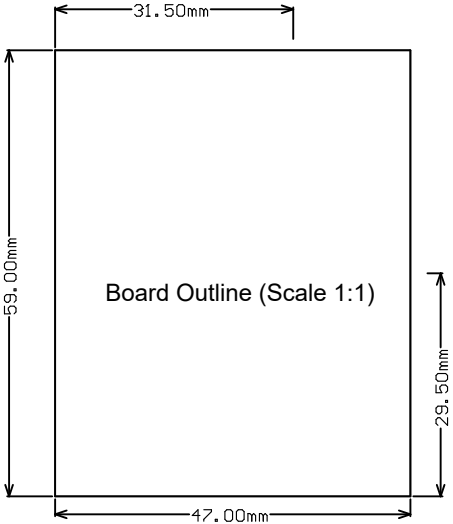
ARK Electronics

Alex Klimaj

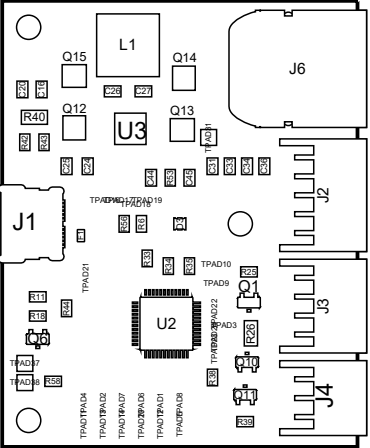
Layer Stack Legend

	Material	Layer	Thickness	Dielectric Material	Type	Gerber
		Top Overlay			Legend	GTO
	Surface Material	Top Solder	0.01mm(0.39mil)	Solder Resist	Solder Mask	GTS
	Copper	Component Side	0.04mm(1.38mil)		Signal	GTL
	Prepreg		0.35mm(13.78mil)	PP-006	Dielectric	
	Copper	Ground Plane	0.04mm(1.38mil)		Internal Plane	GP1
	Core		0.75mm(29.53mil)	Core-009	Dielectric	
	Copper	Power Plane	0.04mm(1.38mil)		Internal Plane	GP2
	Prepreg		0.35mm(13.78mil)	PP-006	Dielectric	
	Copper	Solder Side	0.04mm(1.38mil)		Signal	GBL
	Surface Material	Bottom Solder	0.01mm(0.39mil)	Solder Resist	Solder Mask	GBS
		Bottom Overlay			Legend	GBO

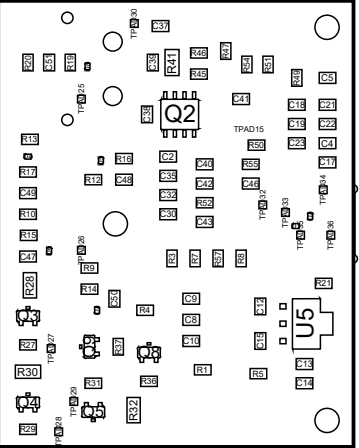
Total thickness: 1.61mm(63.39mil)



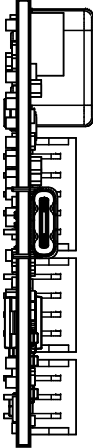
View from Top side (Scale 1:1)



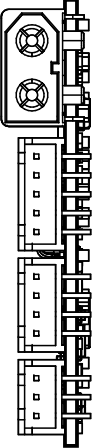
View from Bottom side (Scale 1:1)



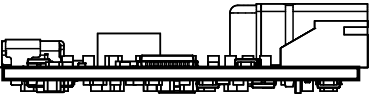
View from Left side (Scale 1:1)



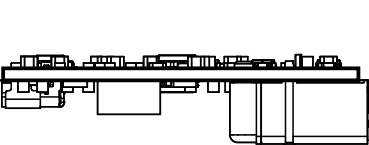
View from Right side (Scale 1:1)



View from Front side (Scale 1:1)



View from Back side (Scale 1:1)



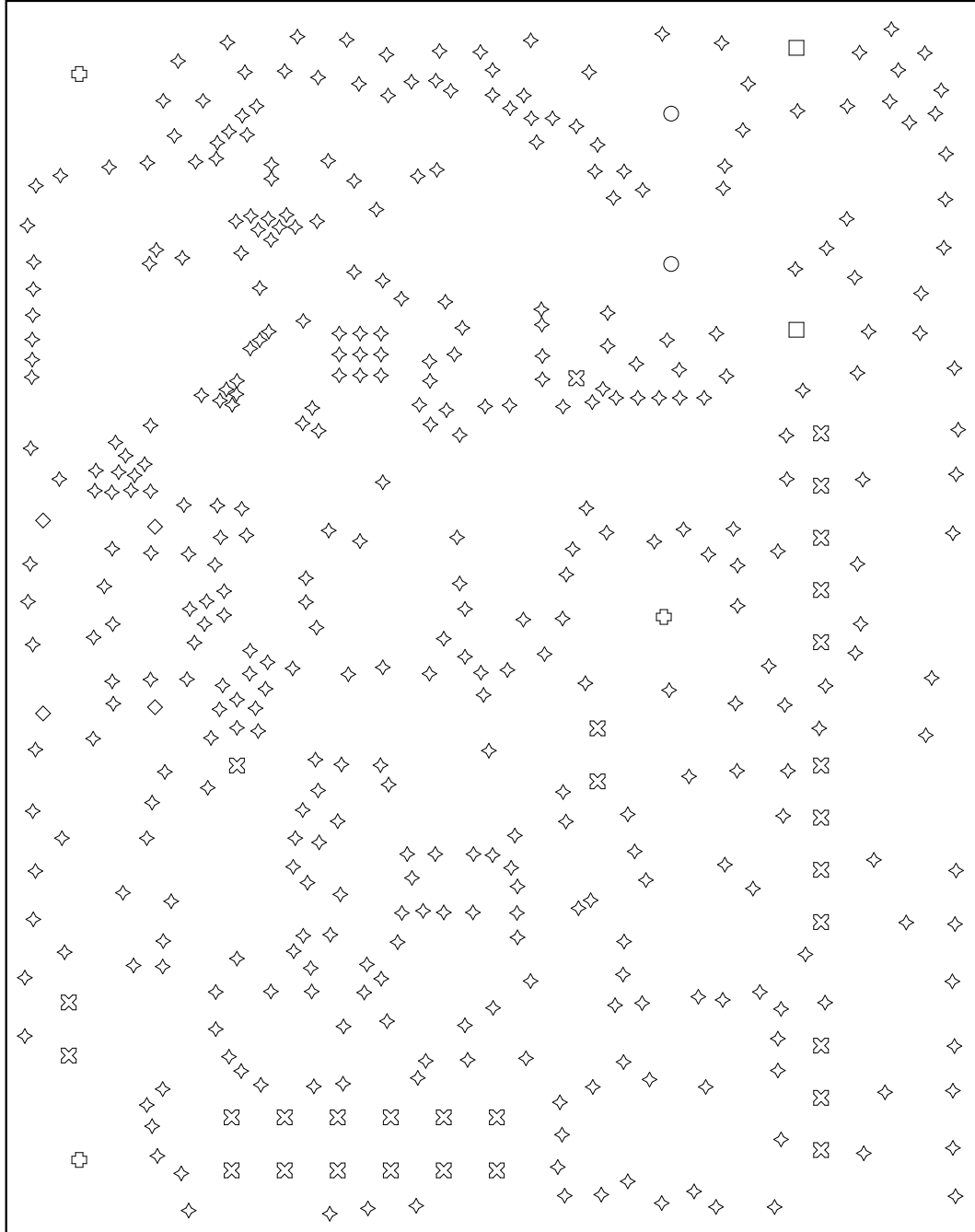
A

B

C

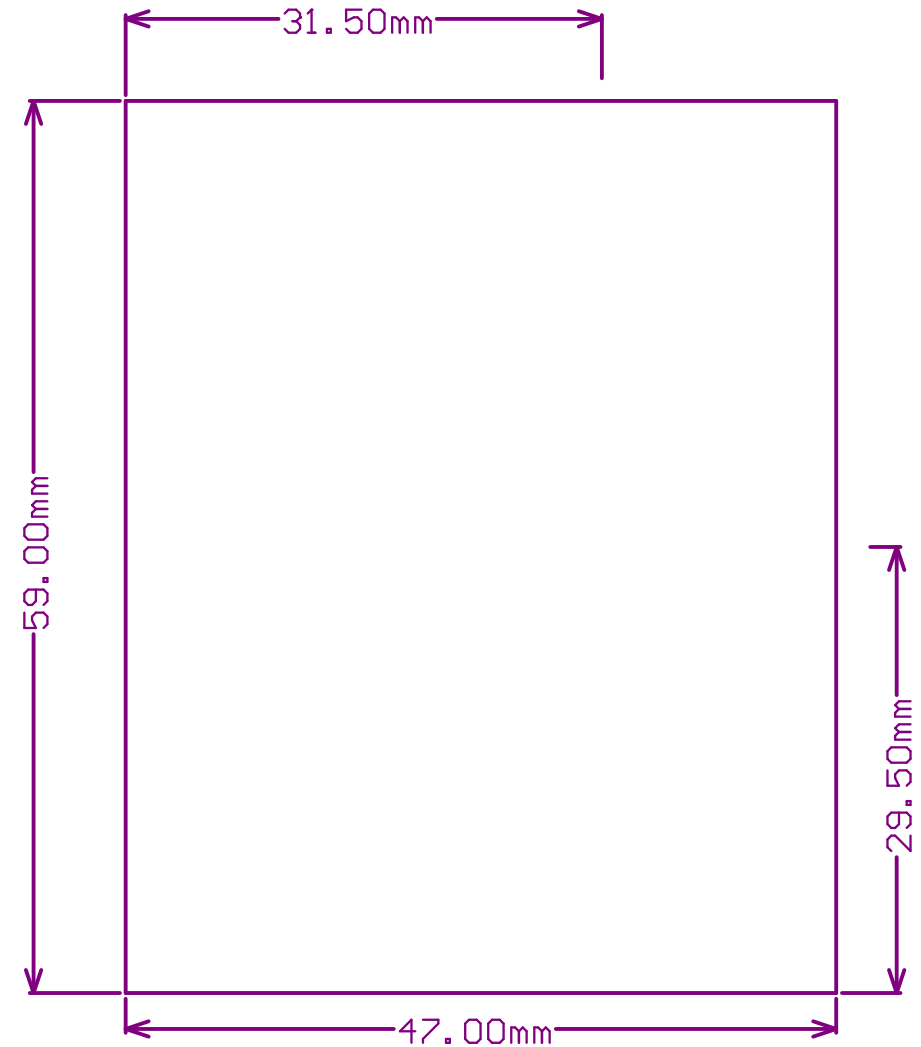
D

Drill Drawing View



Drill Table

Symbol	Count	Hole Size	Plated	Hole Type	Hole Tolerance
⊕	3	3.40	Plated	Round	+/-0.13
○	2	2.70	Plated	Round	
□	2	1.70	Plated	Round	
⊗	30	1.00	Plated	Round	+/-0.13
◇	4	0.60	Plated	Slot	+/-0.13
◆	387	0.30	Plated	Round	+/-0.13



A

B

C

D

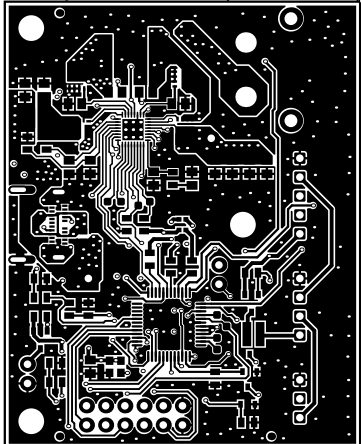
A

B

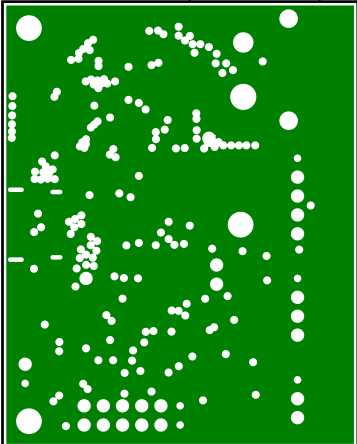
C

D

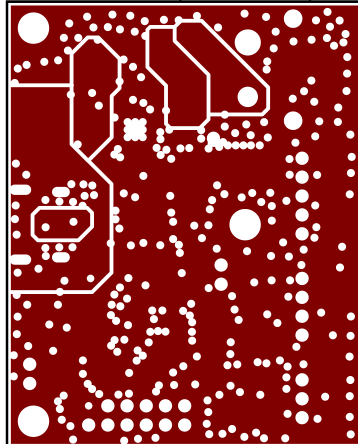
Component Side (Scale: 1:1)



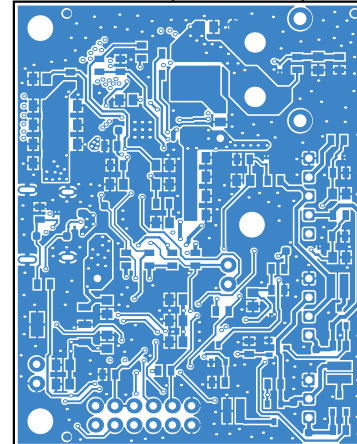
Ground Plane (Scale: 1:1)



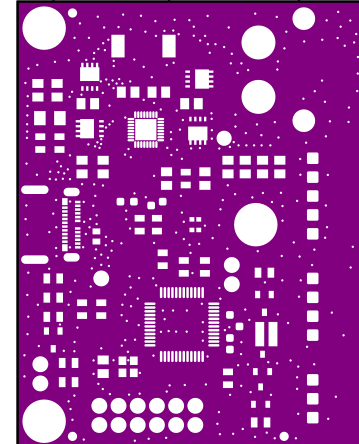
Power Plane (Scale: 1:1)



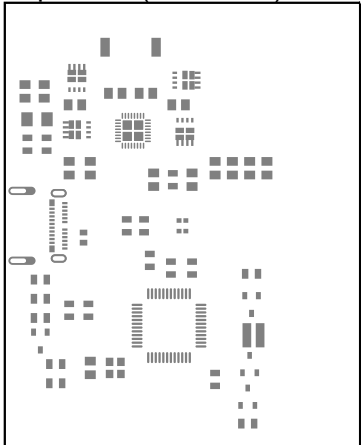
Solder Side (Scale: 1:1)



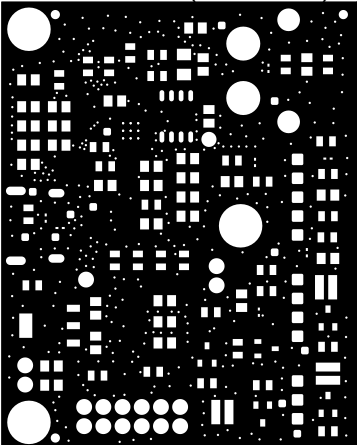
Top Solder (Scale: 1:1)



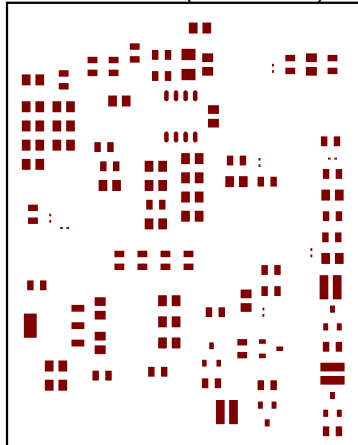
Top Paste (Scale: 1:1)



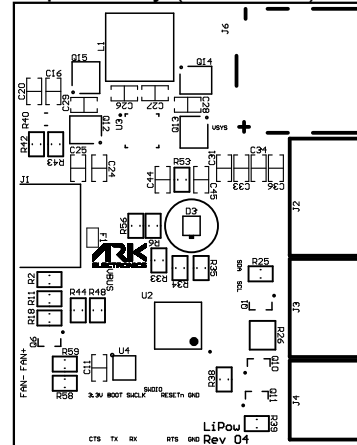
Bottom Solder (Scale: 1:1)



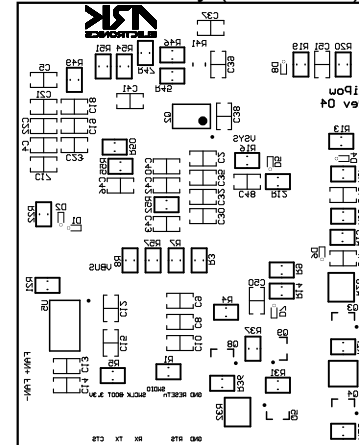
Bottom Paste (Scale: 1:1)



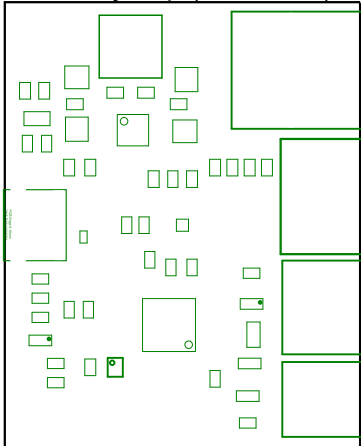
Top Overlay (Scale: 1:1)



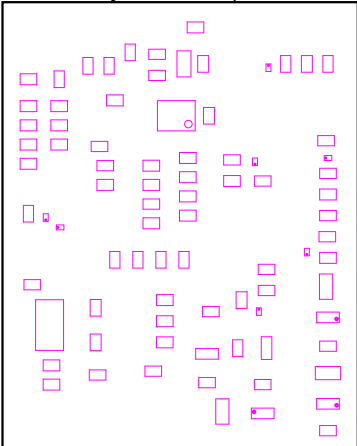
Bottom Overlay (Scale: 1:1)



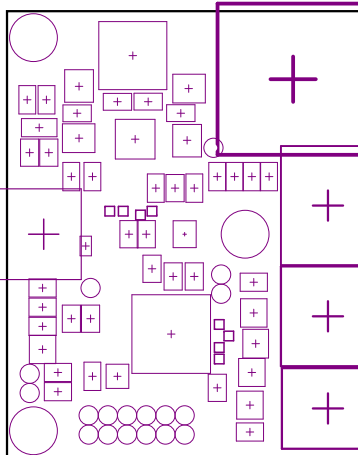
Assembly Top (Scale: 1:1)



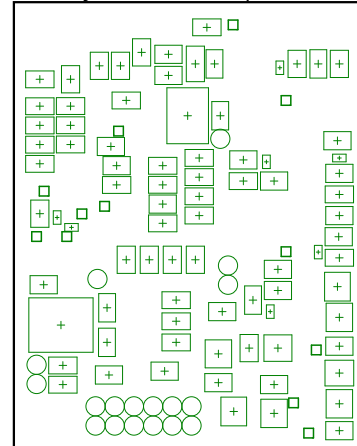
Assembly Bottom (Scale: 1:1)



Courtyard Top (Scale: 1:1)



Courtyard Bottom (Scale: 1:1)



A

B

C

D

1

1

2

2