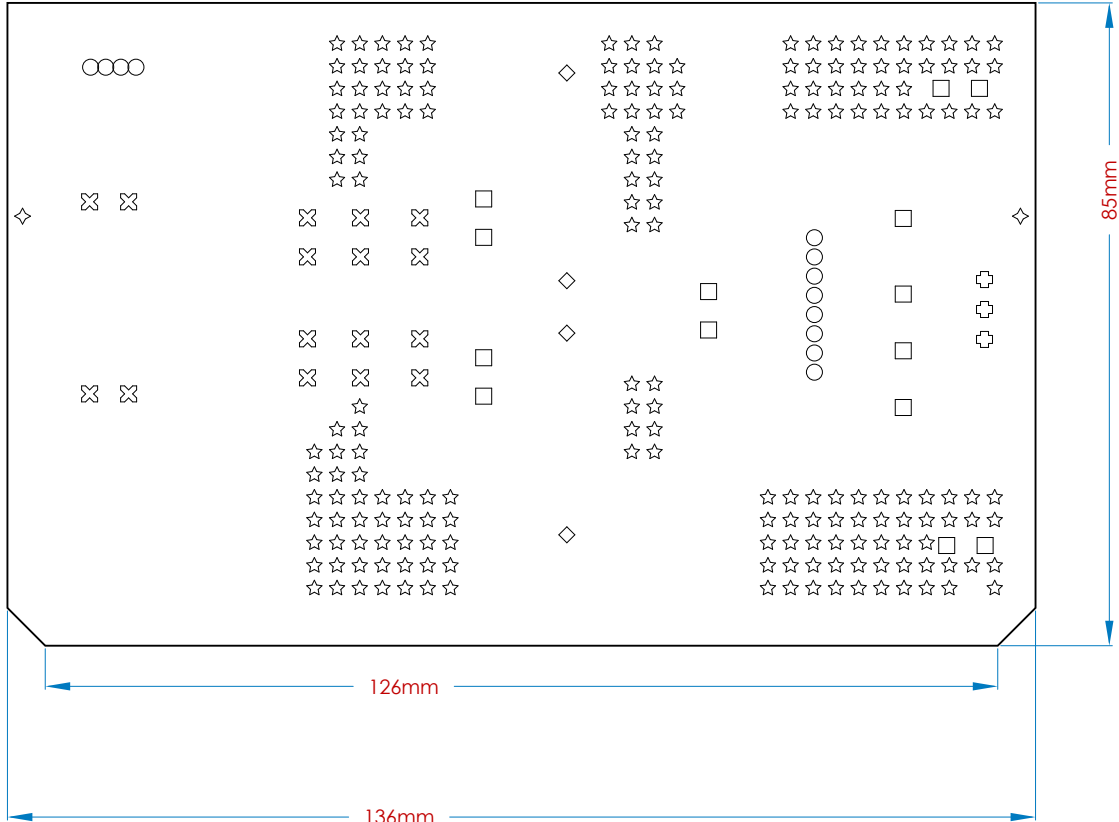


Drill Drawing View (Scale 1:1)



Drill Table				
Symbol	Count	Hole Size	Plated	Hole Tolerance
☆	190	0.7mm	Plated	None
○	12	0.8mm	Plated	None
◇	4	1.2mm	Plated	None
□	14	1.5mm	Plated	None
⊕	3	1.6mm	Plated	None
⊗	16	2mm	Plated	None
⬠	2	2.5mm	Plated	None
241 Total				

Fabrication file description	
Object	File name or format
Top copper:	.GTL
Top solder:	.GTS
Top overlay:	.GTO
Bottom couper:	.GBL
Bottom solder:	.GBS
Bottom overlay:	.GBO
Board outline:	.GM1
Plated holes:	.txt
No plated holes:	.txt

Design information		
Board size:	85 mm	X 136 mm
Number of layers:	2	
Min. track width:	0.3 mm	
Min. clearance:	0.3 mm	
Min. hole diameter:	0.4 mm	
Min. annular ring:	0.2 mm	
Board material:	FR-4	
Board thickness:	2 mm	
Solder mask:	top, bottom	
Solder mask color:	green	
Silk screen:	top, bottom	
Silk screen color:	white	
Surface finish:	HASL with leed	
Couper thickness (finished):	70 um	
Array/Panel:	cut and trim per .GM1 layer	
Bare board elec. test:	yes	

Acceptability:
IPC-A-600 Class 2
ul94 Class V-0

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
	Surface Material			Solder Mask	GTS
Copper	Top	0.07mm		Signal	GTL
		2mm	FR-4	Dielectric	
Copper	Bottom	0.07mm		Signal	GBL
Surface Material	Bottom Solder	0.01mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO
Total thickness: 2.16mm					

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS						DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING	REVISION
								Oltest	
	NAME	SIGNATURE	DATA					TITLE:  R100 Commutator	
DRAW	Bondarchuk S.								
CHKD	Bondarchuk S.								
APPV'D	Ornatskiy								
MFG								AMAK:  R100.230.070.001-00	
QA									
								SCALE 1:1	
							WEIGHT:	SHEET 1 OF 7	

1

2

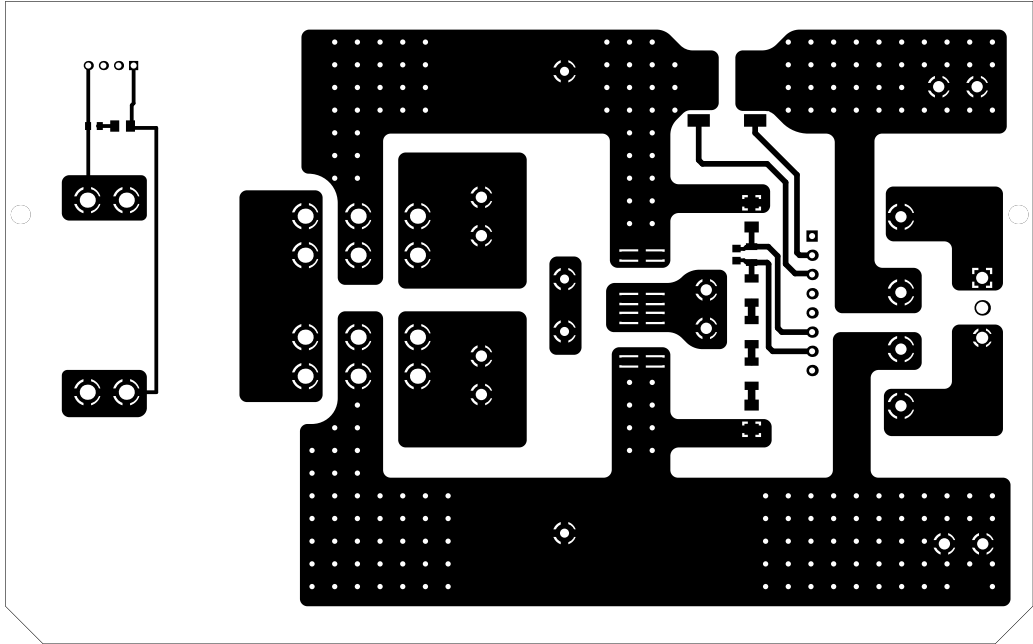
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4

5

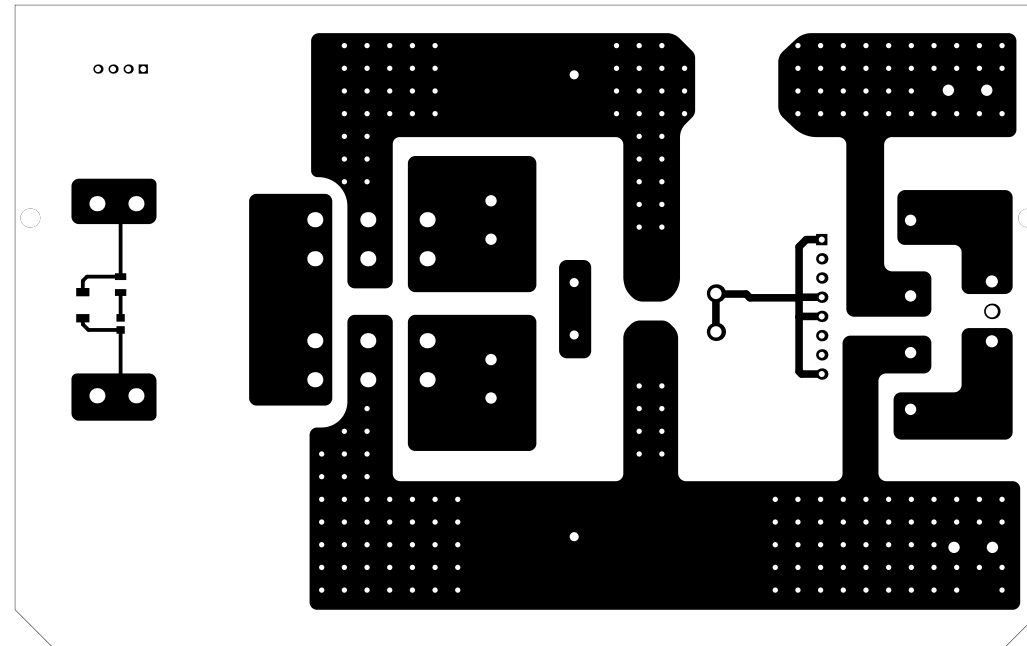
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Top (Scale 1:1)



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS						DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING	REVISION
							Oltest	
	NAME	SIGNATURE	DATA				TITLE:  R100 Commutator	
DRAW	Bondarchuk S.							
CHK'D	Bondarchuk S.							
APPV'D	Ornatskiy							
MFG							AMAK:  R100.230.070.001-00	
QA								
						WEIGHT:	SCALE 1:1	SHEET 2 OF 7

Bottom (Scale 1:1)



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS							DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
									Oltest			
	NAME	SIGNATURE	DATA				TITLE:  R100 Commutator					
DRAW	Bondarchuk S.											
CHK'D	Bondarchuk S.											
APPV'D	Ornatskiy											
MFG												
QA							AMAK:  R100.230.070.001-00				A3	
				WEIGHT:			SCALE 1:1			SHEET 3 OF 7		



A

B

C

D

E

F

G

H

1

2

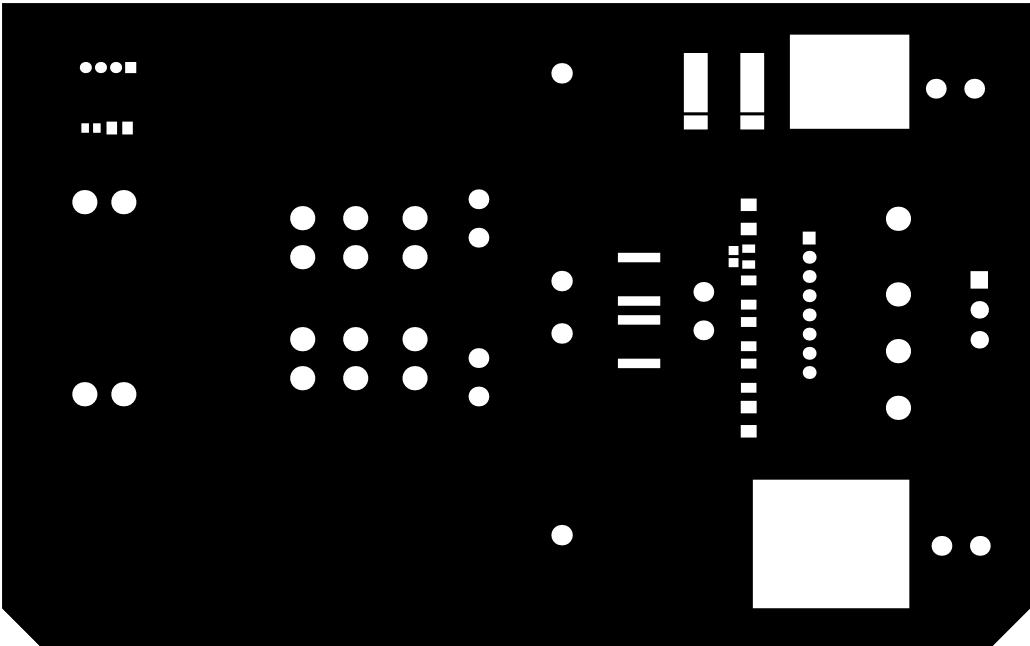
3

4

5

6

Top Solder (Scale 1:1)



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS						DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING	REVISION
							Oltest	
	NAME	SIGNATURE	DATA				TITLE:  R100 Commutator	
DRAW	Bondarchuk S.							
CHK'D	Bondarchuk S.							
APPV'D	Ornatskiy							
MFG							AMAK:  R100.230.070.001-00	
QA								
						WEIGHT:	SCALE 1:1	SHEET 5 OF 7

A

B

C

D

E

F

G

H

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3

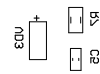
4

5

6

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS							DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
									Oltest			
	NAME	SIGNATURE	DATA				TITLE:  R100 Commutator					
DRAW	Bondarchuk S.											
CHK'D	Bondarchuk S.											
APPV'D	Ornatskiy											
MFG												
QA							AMAK:  R100.230.070.001-00				A3	
				WEIGHT:			SCALE 1:1			SHEET 6 OF 7		

Bottom Overlay (Scale 1:1)



BT 00° 530° 050° 00T-00  
COWWNT 940K

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS						DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING		REVISION		
							Oltest				
	NAME	SIGNATURE	DATA				TITLE:  R100 Commutator				
DRAW	Bondarchuk S.										
CHK'D	Bondarchuk S.										
APPV'D	Ornatskiy										
MFG											
QA							AMAK:  R100.230.070.001-00				A3
				WEIGHT:			SCALE 1:1		SHEET 7 OF 7		