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PCB specification

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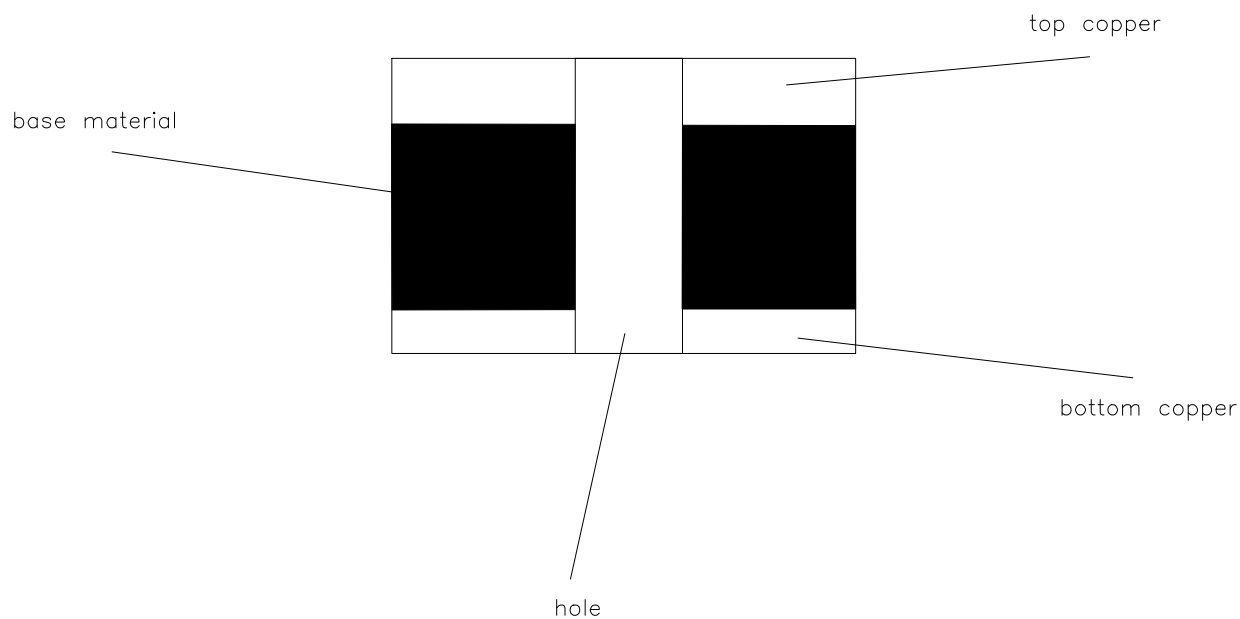
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PCB base material according to R04350 specifications
Glass Transition (Tg) > 280C

*

Nominal thickness 1.5mm (include copper foil on both sides).
Double-sided, final thickness without solder mask < 1.64mm.
Base copper clad 18um,final copper clad > 60um on on both sides.
Surface HAL leadfree (SnCu- base alloy without Ag).



toleranced DIN				tolerance	change date	num- ber	modification		15.11.2016	S.Kulik	S.Kulik			
thread according to DIN								scale:	Date	editor	certifi- cated	Appr.	Index	
surface:								material type:	substitution for dimensions w/o tolerance:					
german projection				material:				Volga PCB						
								project version						
semi finished product								TDE		PN10053				1
material consumption:														6
weight:														
number of pieces per package:								Format: DIN A 3		Classing:				

Supporting regulations which apply

mailing:

V:

ZV:

For this drawing we reserve ourselves all rights
+ Pay attention to protection note according to DIN ISO 16016
+ Changes from the supplier need the previous
approval by TDE

Handwritten
remarks
are not allowed

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PCB outline

19,00

25,00



Zeropoint

Gerber: Volga-PCB.GM32

toleranced DIN	tolerance	change date	num- ber	modification		15.11.2016	S.Kulik	S.Kulik		
thread according to DIN				scale:		Date	editor	certifi- cated	Appr.	Index
surface:				material type:		substitution for dimensions w/o tolerance:				
german projection		material:		Volga PCB						
				project version		2				
semi finished product				TDE		PN10053		6		
material consumption:										
weight:										
number of pieces per package:				Format: DIN A 3		Classing:				

Supporting regulations which apply

mailing:

V:

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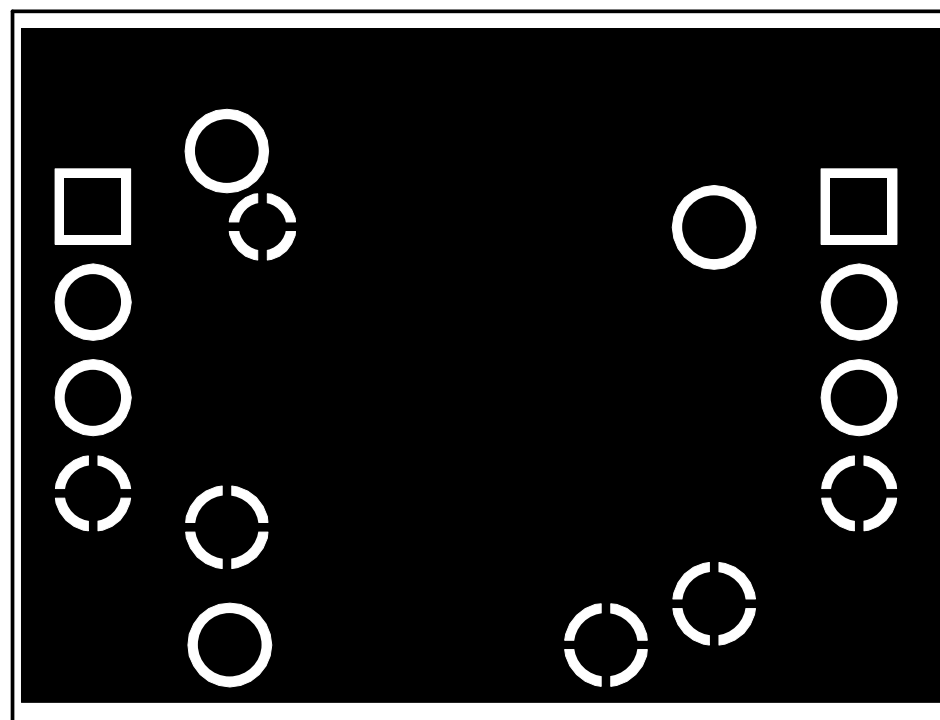
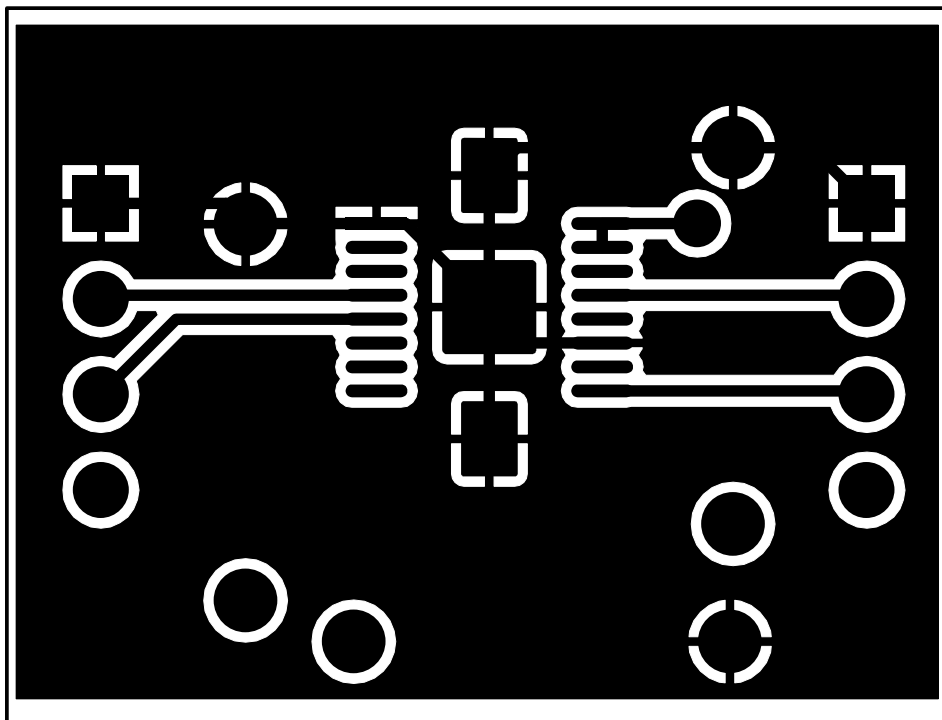
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Top Layer

Bottom layer



Gerber top: Volga-PCB.GTL
Gerber bottom: Volga-PCB.GBL

toleranced DIN				tolerance	change date	num- ber	modification				15.11.2016	S.Kulk	S.Kulk		
thread according to DIN							scale:				Date	editor	certifi- cated	Appr.	Index
surface:							material type:				substitution for dimensions w/o tolerance:				
german projection							material:				Volga PCB				
							project version				3				
semi finished product							TDE				PN10053				
material consumption:											6				
weight:															
number of pieces per package:							Format: DIN A 3				Classing:				

Supporting regulations which apply

mailing:

V:

ZV:

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Top solder mask

Bottom solder mask

A

B

C

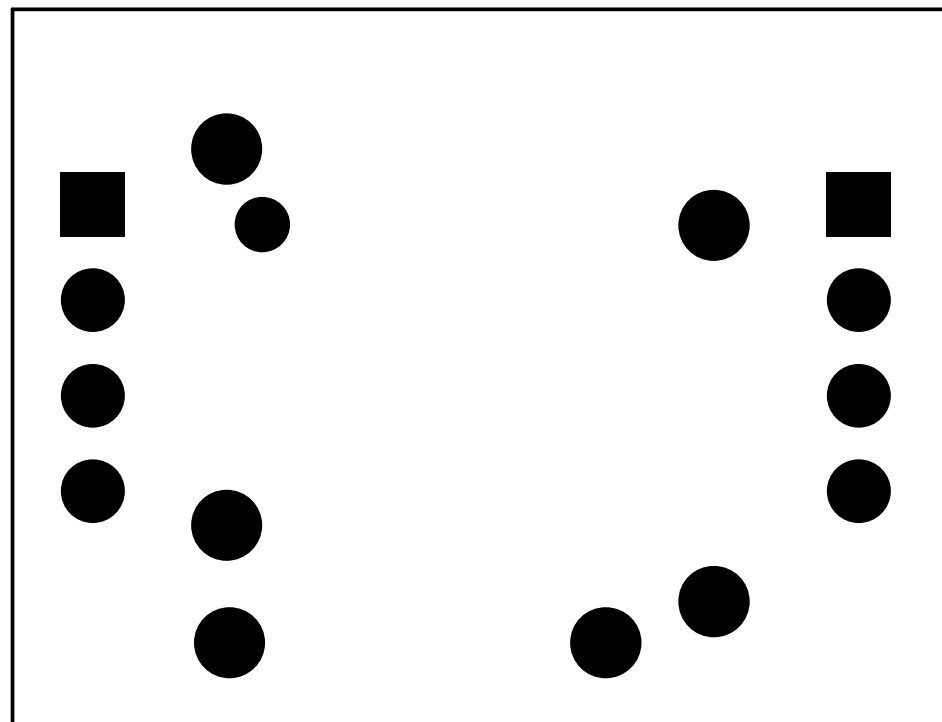
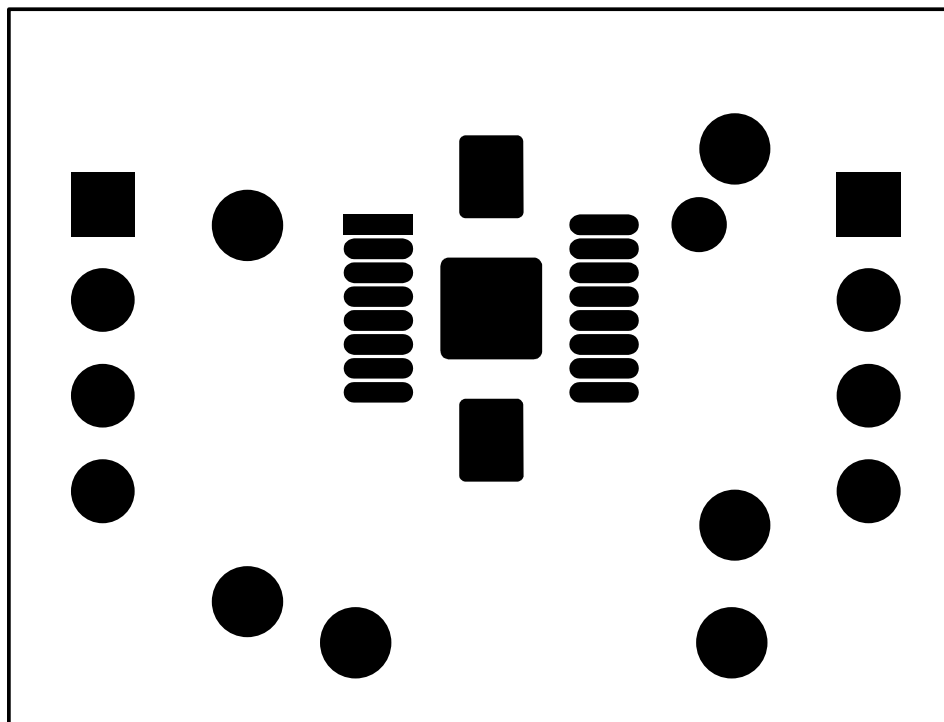
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Gerber solder top: Volga-PCB.GTS

Gerber solder bottom: Volga-PCB.GBS

toleranced DIN		tolerance	change date	num- ber	modification		15.11.2016	S.Kulk	S.Kulk		
thread according to DIN		surface:		scale:		Date		editor	certifi- cated	Appr.	Index
german projection		material:		material type:		substitution for dimensions w/o tolerance:					
				Volga PCB							
semi finished product		material consumption:		weight:		project version		PN10053			
number of pieces per package:						TDE					
Supporting regulations which apply						Format: DIN A 3		Classing:			

mailing:

V:

ZV:

For this drawing we reserve ourselves all rights
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Changes from the supplier need the previous
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Handwritten
remarks
are not allowed

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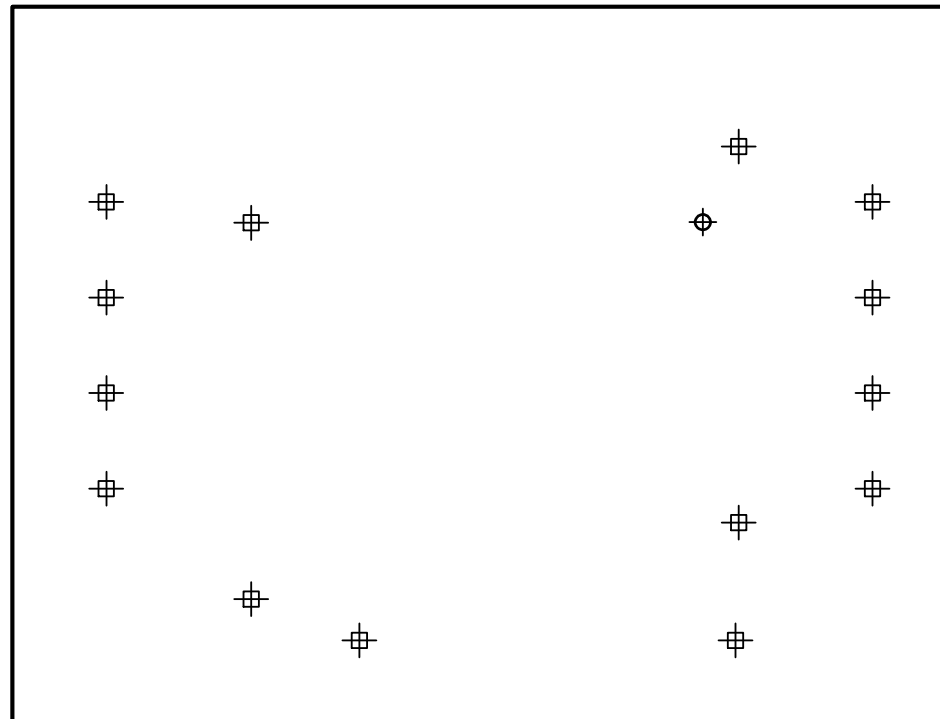
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Drill drawing



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Handwritten
remarks
are not allowed

Gerber: Volga-PCB.GD1

toleranced DIN				tolerance	change date	num- ber	modification				15.11.2016	S.Kulik	S.Kulik		
thread according to DIN							scale:				Date	editor	certifi- cated	Appr.	Index
surface:							material type:				substitution for dimensions w/o tolerance:				
german projection		material:					Volga PCB								
							project version								
semi finished product							TDE				PN10053				
material consumption:															
weight:															
number of pieces per package:							Format: DIN A 3				Classing:				

Supporting regulations which apply

mailing:

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ZV:

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A

Silk screen top

B

C

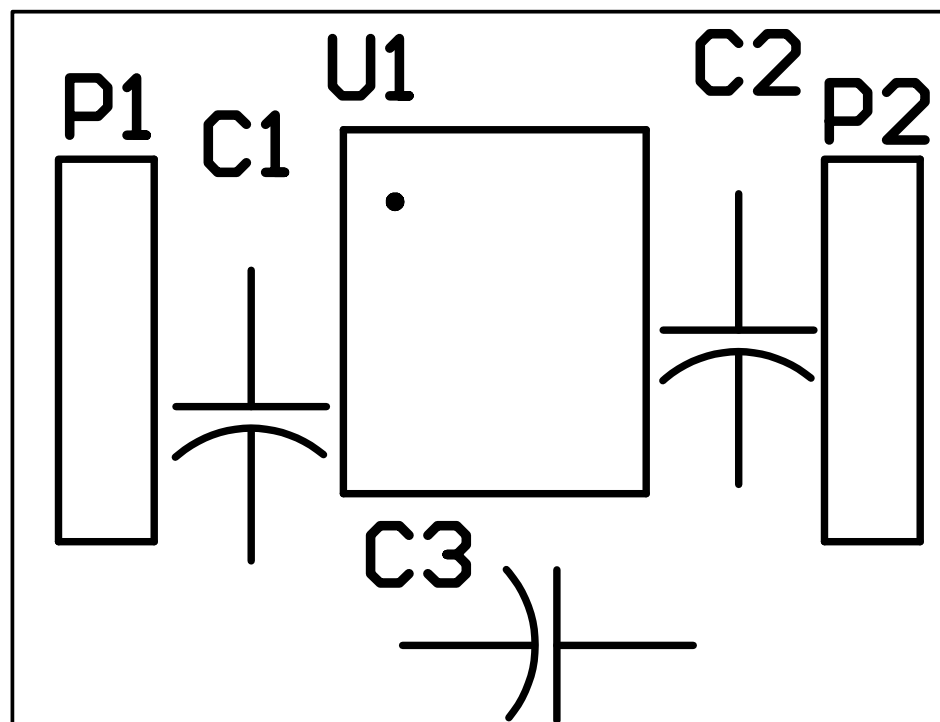
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Gerber: Volga-PCB.GTO

toleranced DIN				tolerance	change date	num- ber	modification			15.11.2016	S.Kulik	S.Kulik		
thread according to DIN								scale:		Date	editor	certifi- cated	Appr.	Index
surface:								material type:		substitution for dimensions w/o tolerance:				
german projection				material:				Volga PCB						
								project version						
semi finished product								TDE		PN10053				
material consumption:														
weight:														
number of pieces per package:								Format: DIN A 3		Classing:				

Supporting regulations which apply

milling:

V:

ZV:

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approval by TDE

Handwritten
remarks
are not allowed