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PCB specification

A

B

C

D

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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).

base material

top copper

bottom copper

hole

toleranced DIN				tolerance	change date	num- ber	modification		17.11.2016	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:					DVT-Volga-V2							
							project version							
semi finished product							TDE		PN10054					
material consumption:														
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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A

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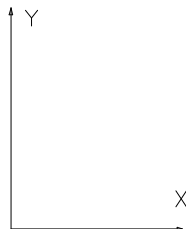
G

H

PCB outline



Zeropoint



Gerber: DVT-Volga-V2.GM32

toleranced DIN				tolerance	change date	num- ber	modification			17.11.2016	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:					DVT-Volga-V2							
							project version							
semi finished product							TDE		PN10054					
material consumption:														
weight:														
number of pieces per package:							Format: DIN A 3		Classing:					

Supporting regulations which apply

mailing:

V:

ZV:

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Handwritten
remarks
are not allowed

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Top Layer

Bottom layer

A

B

C

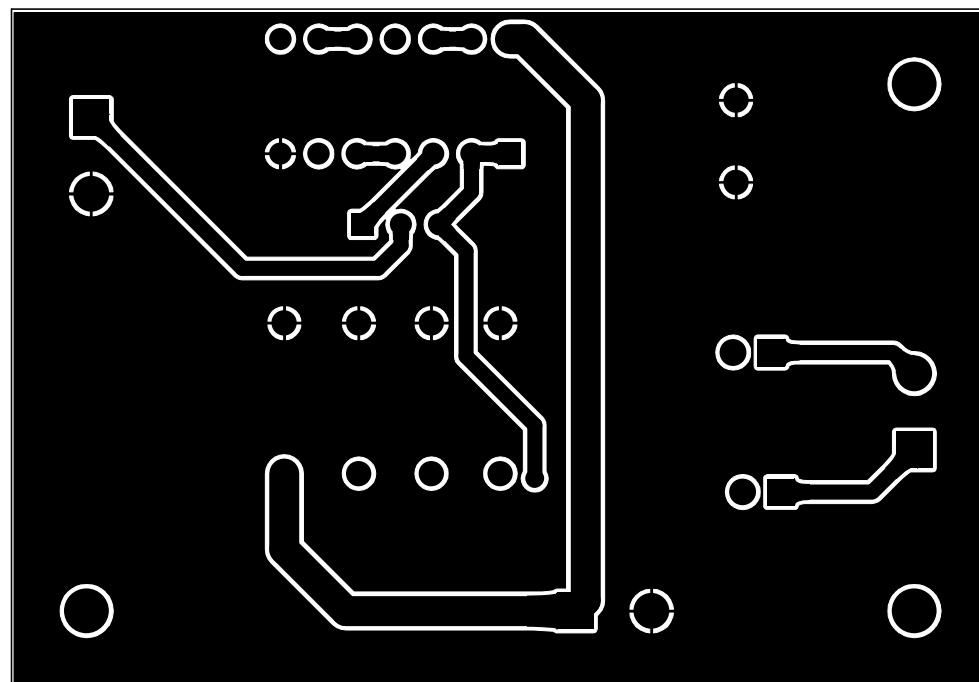
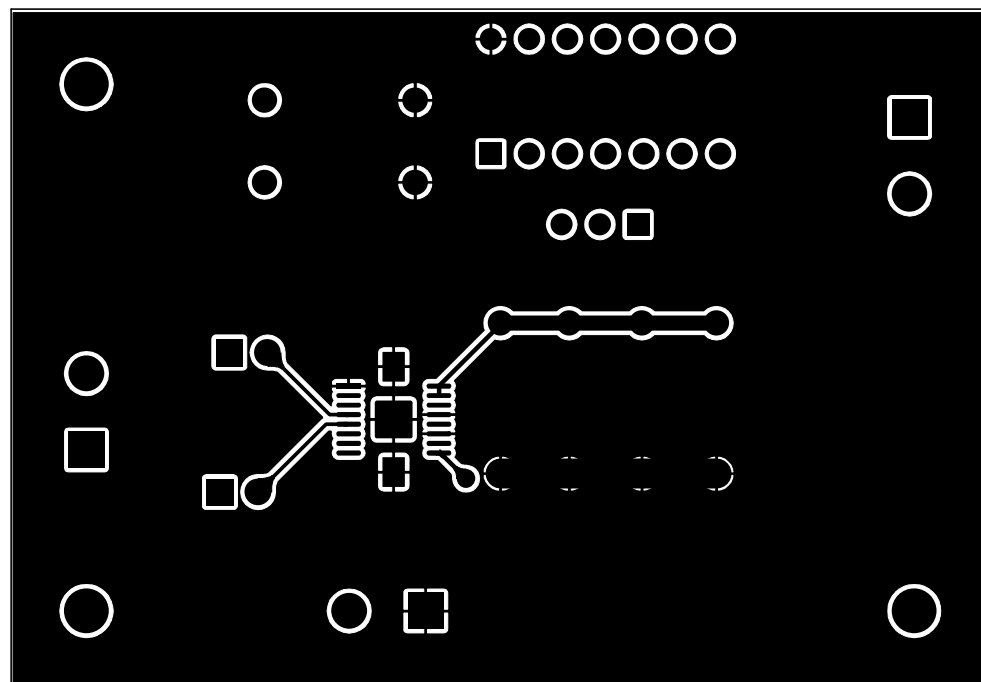
D

E

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G

H



Gerber top: DVT-Volga-V2.GTL
Gerber bottom: DVT-Volga-V2.GBL

tolerances	tolerance	change	date	num-	ber	modification	17.11.2016	S.Kulk	S.Kulk		
thread according to DIN	surface:	scale:	Date	editor	certifi-	Appr.	Index	substitution for dimensions w/o tolerance:			
german projection	material:	material type:	DVT-Volga-V2								
semi finished product		project version	TDE								
material consumption:		PN10054		3							
weight:				6							
number of pieces per package:		Format: DIN A 3		Classing:							

Supporting regulations which apply

milling:

V:

ZV:

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Handwritten
remarks
are not allowed

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Top solder mask

Bottom solder mask

A

B

C

D

E

F

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Gerber solder top: DVT-Volga-V2.GTS

Gerber solder bottom: DVT-Volga-V2.GBS

tolerances				tolerance		change		num-		modification		17.11.2016		S.Kulik		S.Kulik					
thread according to DIN				surface:		Roth/THL		scale:		material type:		Date		editor		certifi-		Appr.		Index	
german projection				material:								substitution for				dimensions w/o tolerance:					
semi finished product				material consumption:		weight:		number of pieces per package:		Format: DIN A 3		Classing:									
DVT-Volga-V2				project version		TDE		PN10054													

mailing:		V:		ZV:																	
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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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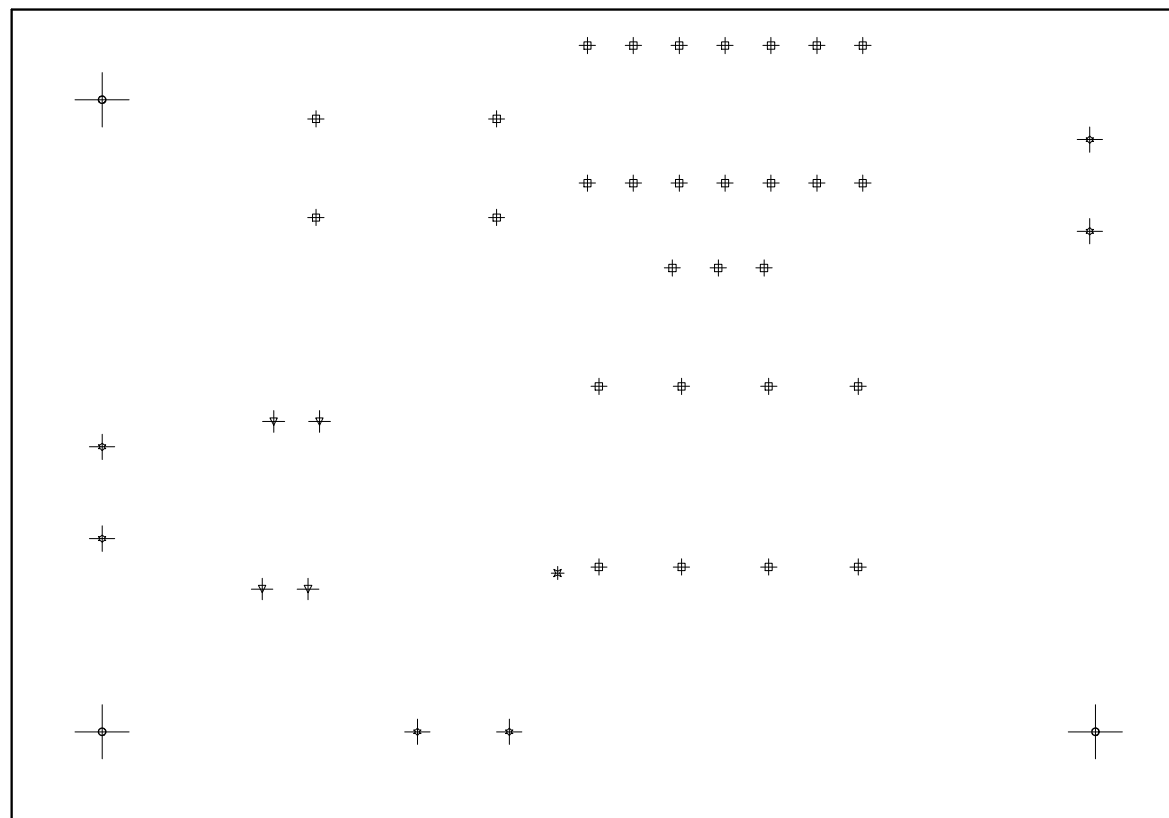
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Drill drawing



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+ Changes from the supplier need the previous approval by TDE

Handwritten
remarks
are not allowed

Gerber: DVT-Volga-V2.GD1

toleranced DIN	tolerance	change date	num- ber	modification		17.11.2016	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:	DVT-Volga-V2				
						project version					
semi finished product						TDE		PN10054			5
material consumption:											6
weight:											
number of pieces per package:						Format: DIN A 3		Classing:			

Supporting regulations which apply

mailing:

V:

ZV:

1 2 3 4 5 6 7 8 9

A

Silk screen top

B

C

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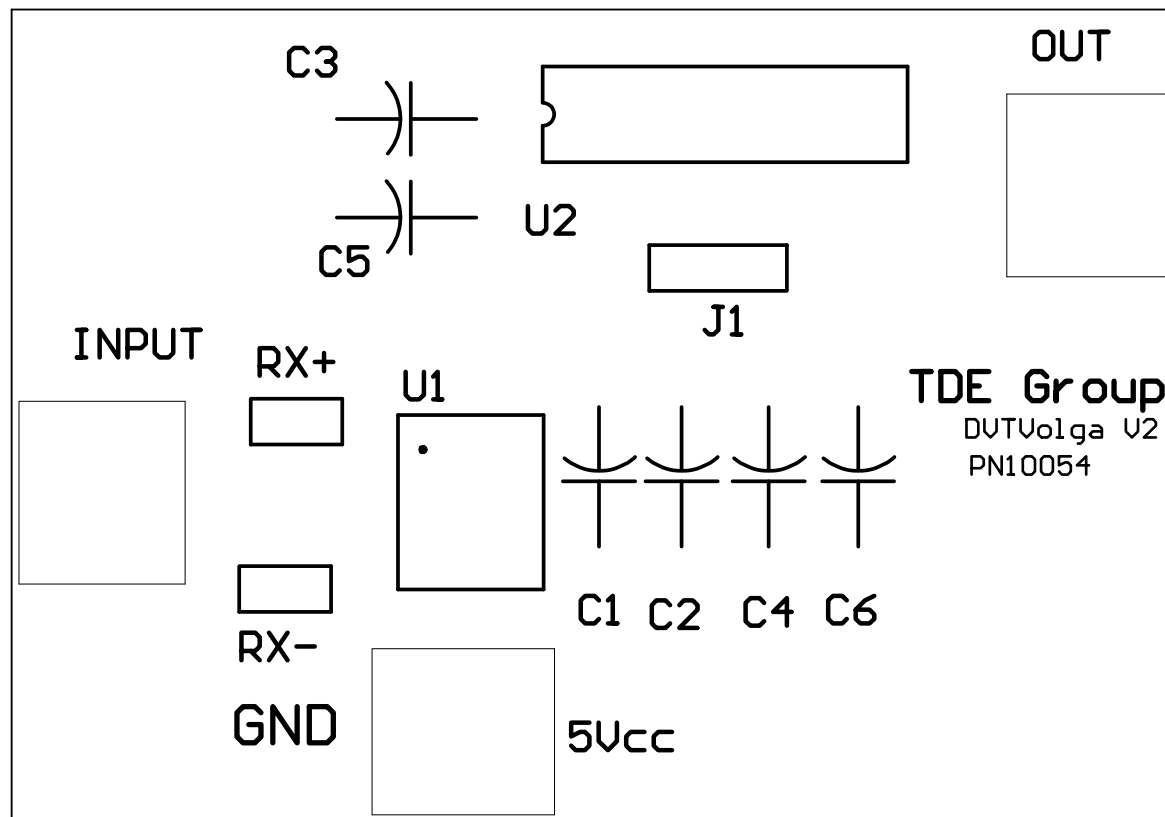
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Gerber: DVT-Volga-V2.GTO

toleranced DIN	tolerance	change date	num- ber	modification		17.11.2016	S.Kulik	S.Kulik	
thread according to DIN				scale:		Date	editor	certifi- cated	Appr.
surface:				material type:		substitution for dimensions w/o tolerance:			
german projection		material:		DVT-Volga-V2					
semi finished product				project version		TDE			
material consumption:						PN10054			
weight:									
number of pieces per package:				format: DIN A 3		Classing:			

Supporting regulations which apply

mailing:

V:

ZV: