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PCB specification

A

B

C

D

E

F

G

H

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				19.07.2016	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:				Manchester-Comparator								
semi finished product							project version				1				
material consumption:							TDE				PN10049				
weight:											6				
number of pieces per package:							Format: DIN A 3				Classing:				

Supporting regulations which apply

mailing:

V:

ZV:

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+ 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

B

C

D

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H

PCB outline

60,00

105,00

Zeropoint
x
y

Gerber: Manchester-Comparator_Module.GM32

toleranced DIN	tolerance	change date	num- ber	modification		19.07.2016	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:			Manchester-Comparator					
					project version					
semi finished product					TDE		PN10049		2	
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 Layer

Bottom layer

A

B

C

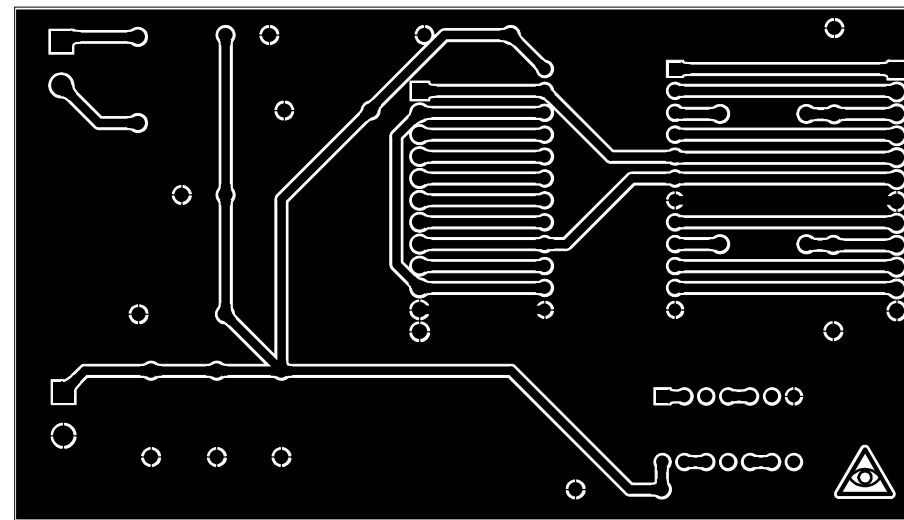
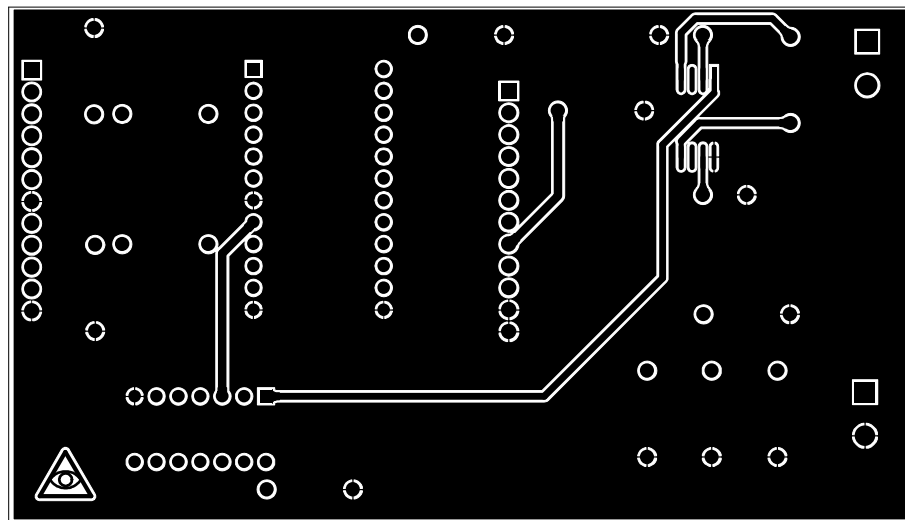
D

E

F

G

H



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Gerber top: Manchester-Comparator_Module.GTL
Gerber bottom: Manchester-Comparator_Module.GBL

tolerances DIN	tolerance	change date	num- ber	modification		19.07.2016	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:		Manchester-Comparator						
				project version		3				
semi finished product				TDE		PN10049		6		
material consumption:										
weight:										
number of pieces per package:				Format: DIN A 3		Classing:				

Supporting regulations which apply

milling:

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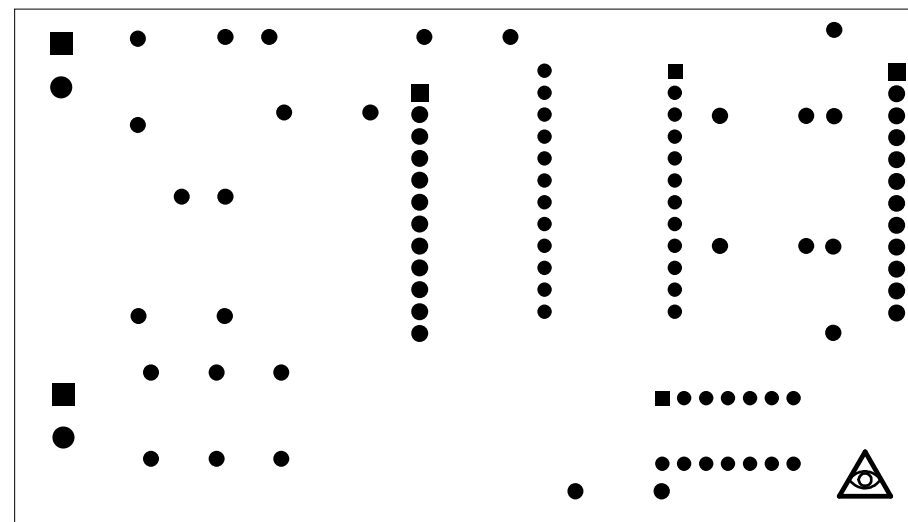
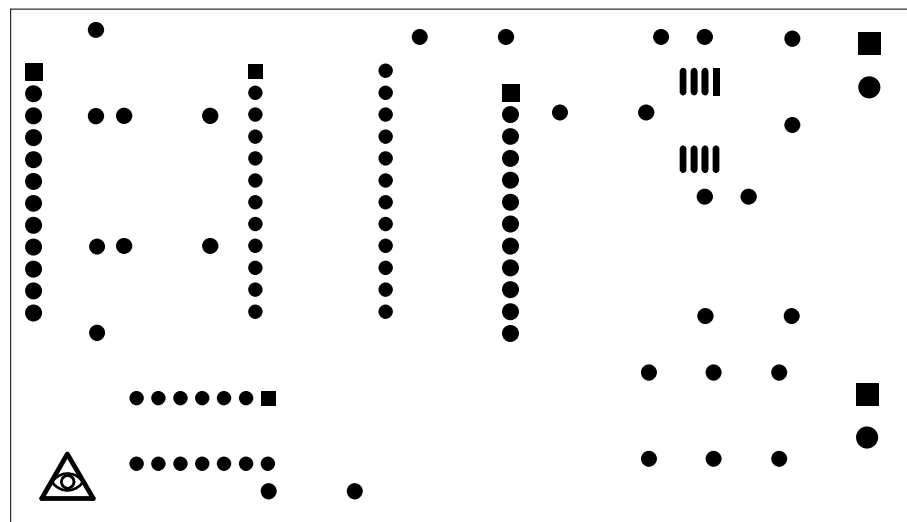
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Top solder mask

Bottom solder mask



Gerber solder top:
Manchester-Comparator_Module.GTS

Gerber solder bottom:
Manchester-Comparator_Module.GBS

toleranced DIN	tolerance	change date	num- ber	modification		19.07.2016	S.Kulik	S.Kulik		
thread according to DIN				scale:		Date	editor	certifi- cated	Appr.	Index
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german projection		material:		Manchester-Comparator						
				project version		PN10049				
semi finished product		material consumption:		TDE						
weight:		number of pieces per package:		Format: DIN A 3		Classing:				

Supporting regulations which apply

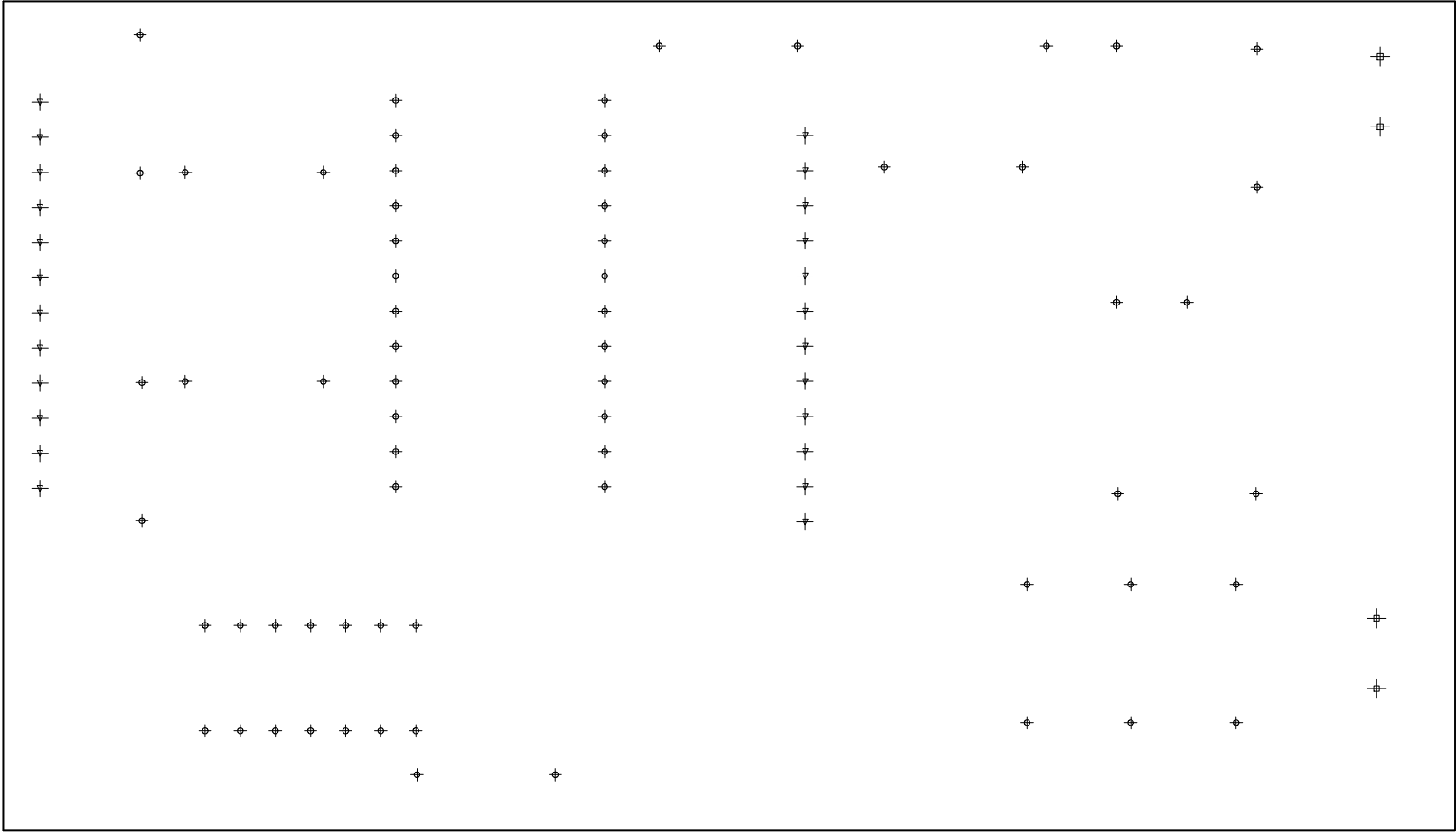
mailing:

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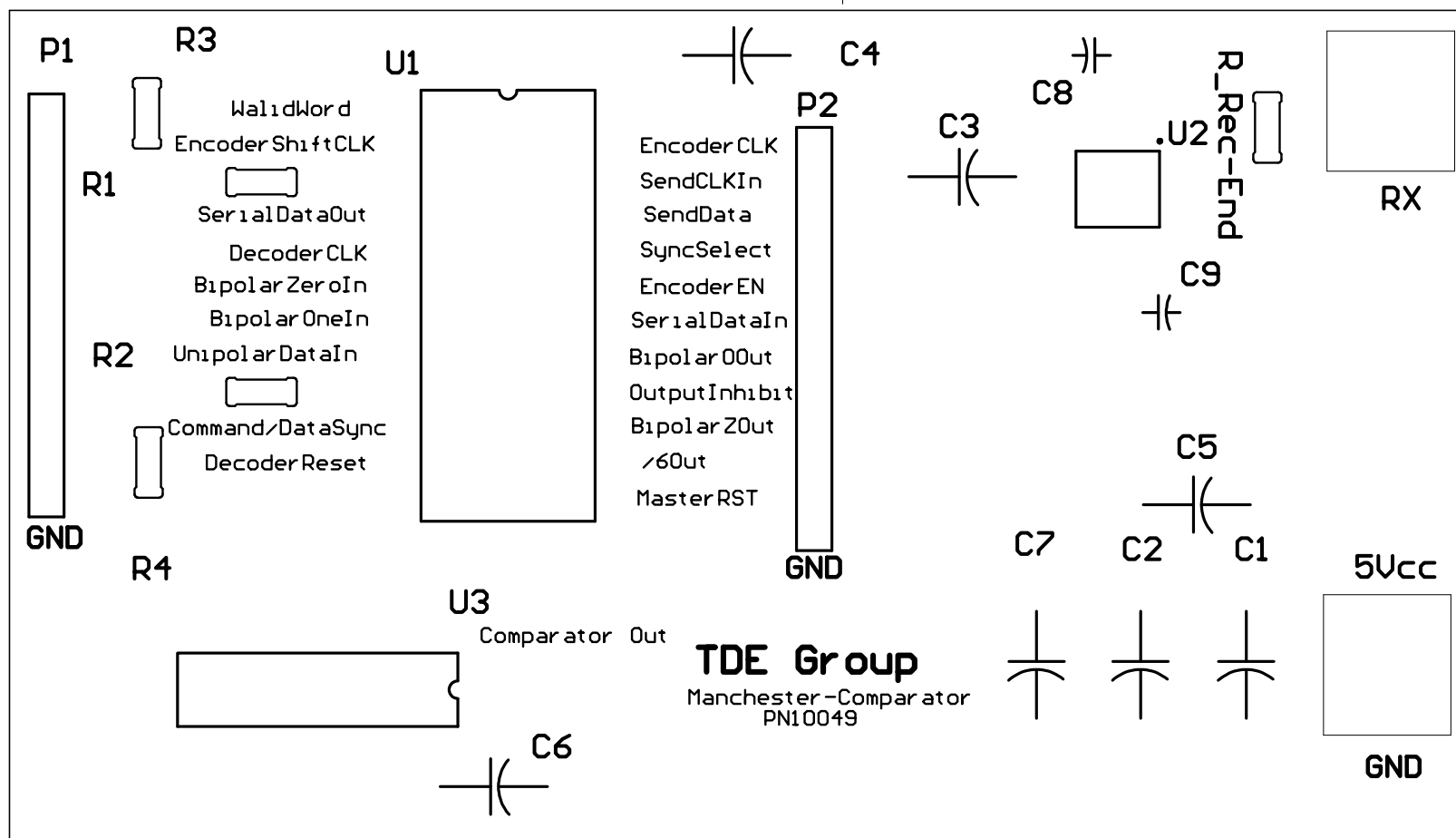
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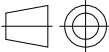
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Gerber: Manchester-Comparator_Module.GTO

Silk screen top



tolerances Din.	tolerance	change date	num- ber	modification				19.07.2016	S.Kulik	S.Kulik		
thread according to DIN				scale:		Date		editor	certifi- cated	Appr.	Index	
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german projection		material:		Manchester—Comparator								
												
semi finished product				project version		PN10049						
material consumption:				TDE								
weight:												
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