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PCB specification

A

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C

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E

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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				09.11.2016	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:				LPF-400kHz-OPA820-THT								
semi finished product							project version				PN10052				
material consumption:							TDE								
weight:											6				
number of pieces per package:							Format: DIN A 3								

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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PCB outline

43,00

68,00

Zeropoint



Gerber: LPF-400kHz-OPA820-THT.GM32

toleranced DIN	tolerance	change date	num- ber	modification		09.11.2016	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:			LPF-400kHz-OPA820-THT					
					project version					
semi finished product					TDE		PN10052		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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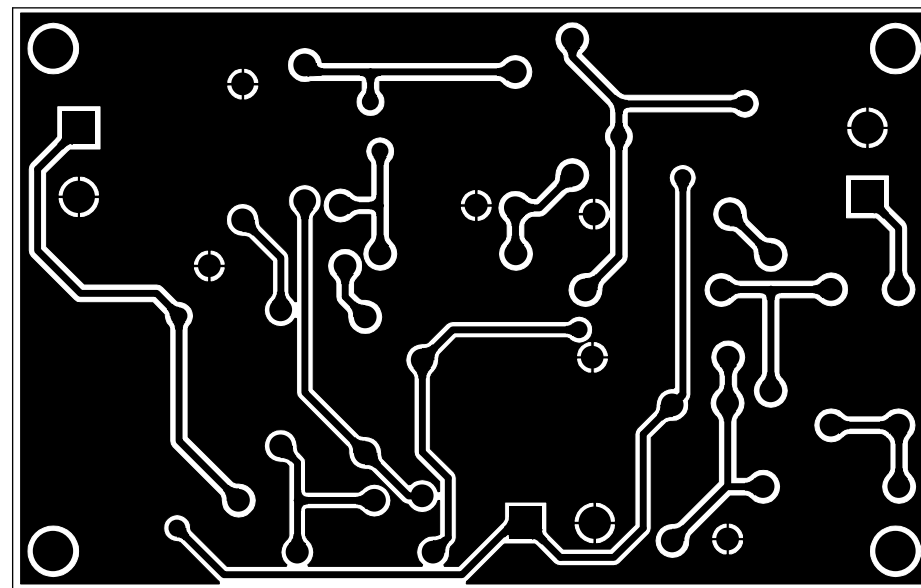
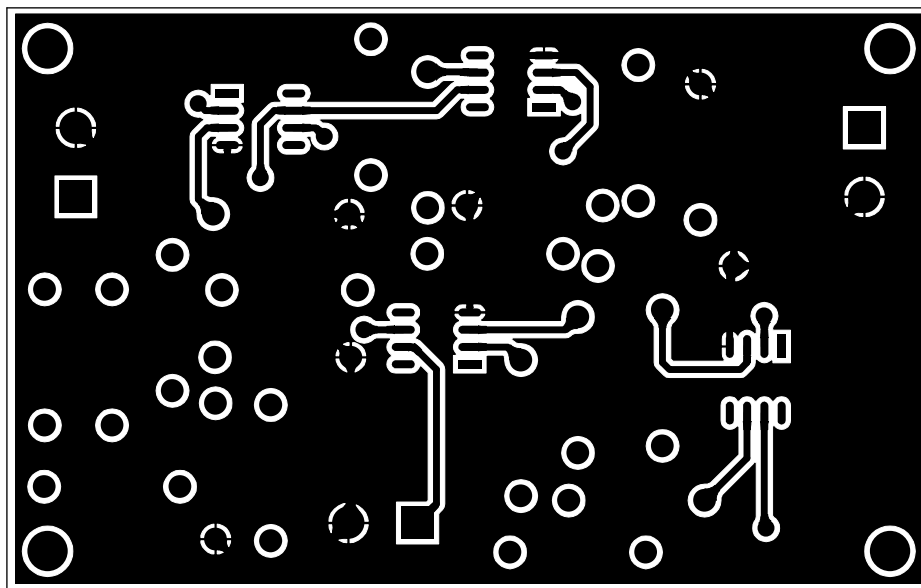
7

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Top Layer

Bottom layer



Gerber top: LPF-400kHz-OPA820-THT.GTL
Gerber bottom: LPF-400kHz-OPA820-THT.GBL

tolerances				tolerance	change	num-	modification				09.11.2016	S.Kulik	S.Kulik			
thread according to DIN				Roth/THL				scale:				Date	editor	certifi-	Appr.	Index
surface:								material type:				substitution for dimensions w/o tolerance:				
german projection				material:				LPF-400kHz-OPA820-THT								
								project version								
semi finished product								TDE				PN10052				
material consumption:																
weight:																
number of pieces per package:								Format: DIN A 3				Classing:				

Supporting regulations which apply

milling:

V:

ZV:

For this drawing we reserve ourselves all rights
+ Pay attention to protection note according to DIN ISO 16016
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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

G

H

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

Gerber solder top:
LPF-400kHz-OPA820-THT.GTS

Gerber solder bottom:
LPF-400kHz-OPA820-THT.GBS

tolerances				tolerance	change	date	num- ber	modification				09.11.2016	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:				LPF-400kHz-OPA820-THT								
								project version				PN10052				
semi finished product								TDE								
material consumption:																
weight:																
number of pieces per package:								Format: DIN A 3				Classing:				

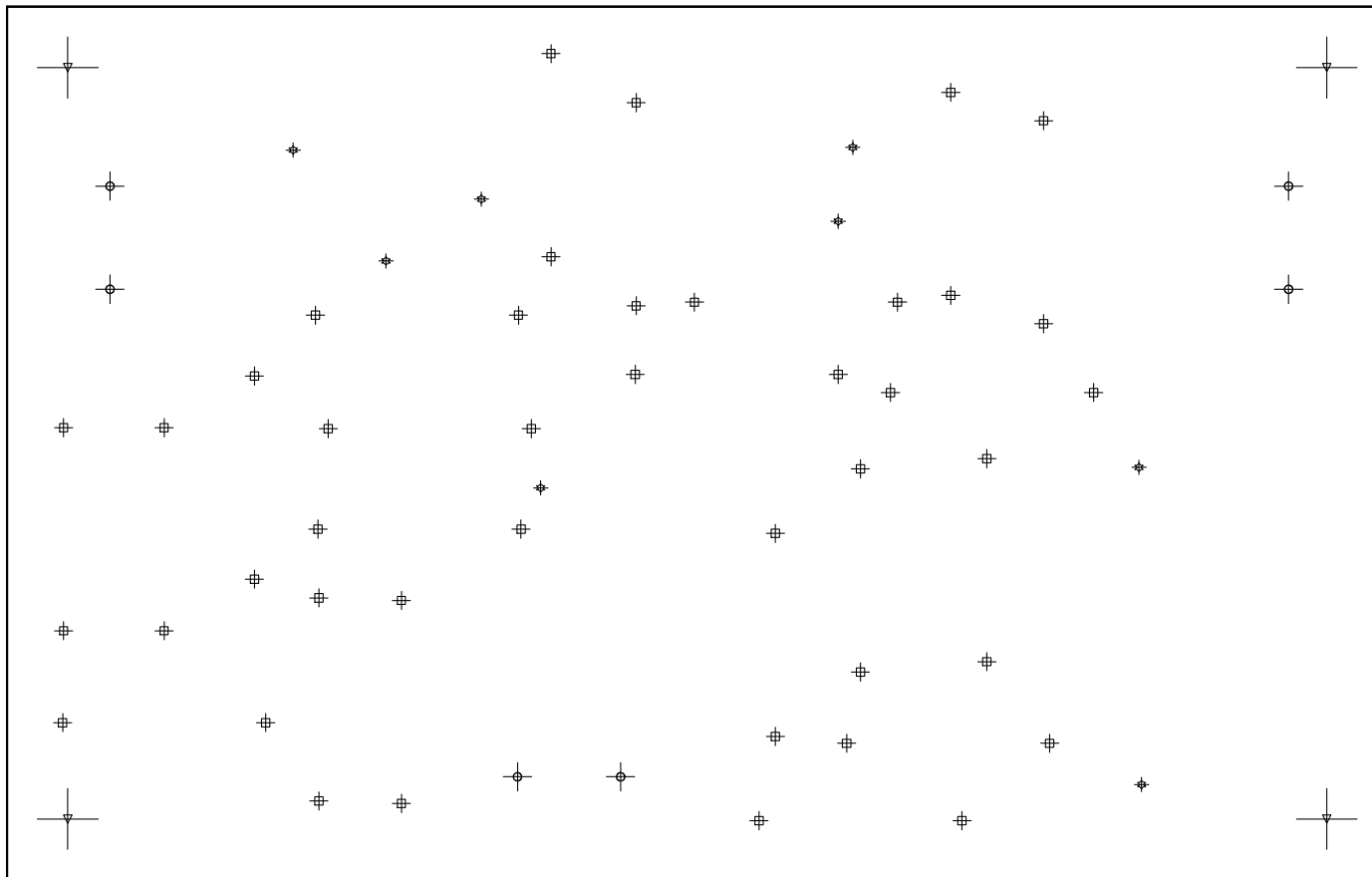
Supporting regulations which apply

mailing:

V:

ZV:

Drill drawing



Gerber: LPF-400kHz-OPA820-THT.GD1

toleranced DIN				tolerance	change date	num- ber	modification				09.11.2016	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:				LPF-400kHz-OPA820-THT				
							project version				5				
semi finished product							TDE				PN10052				
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

B

C

D

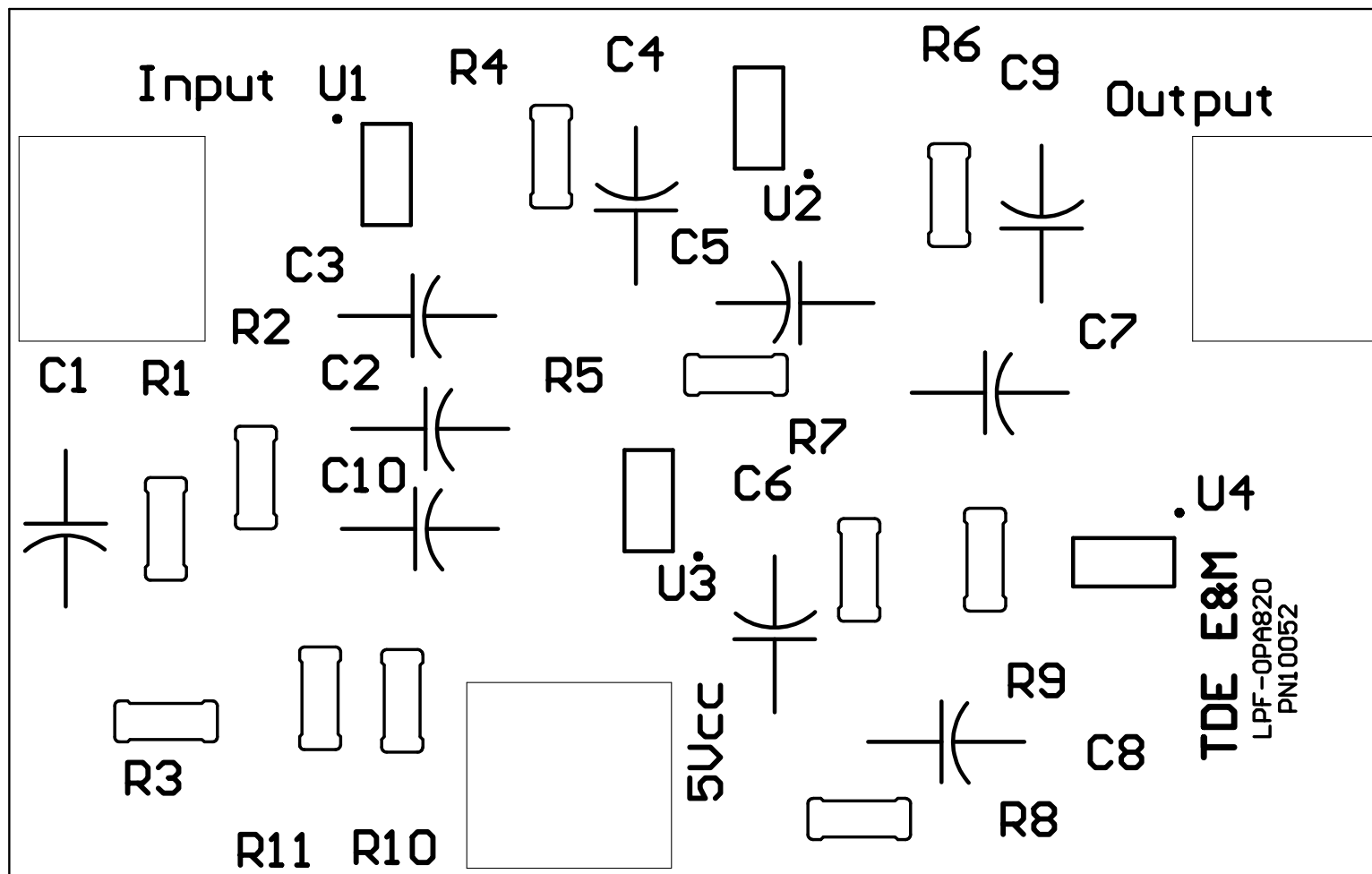
E

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Silk screen top



Gerber: LPF-400kHz-OPA820-THT.GTO

toleranced [in]	tolerance	change date	num- ber	modification		09.11.2016	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:		project version		LPF-400kHz-OPA820-THT				
semi finished product		material consumption:		TDE		PN10052		6		
weight:		number of pieces per package:		Format: DIN A 3		Classing:		6		

Supporting regulations which apply

milling:

V:

ZV: