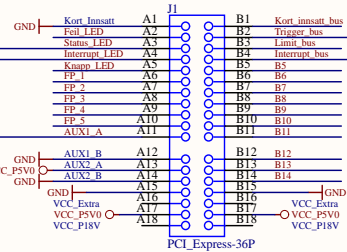
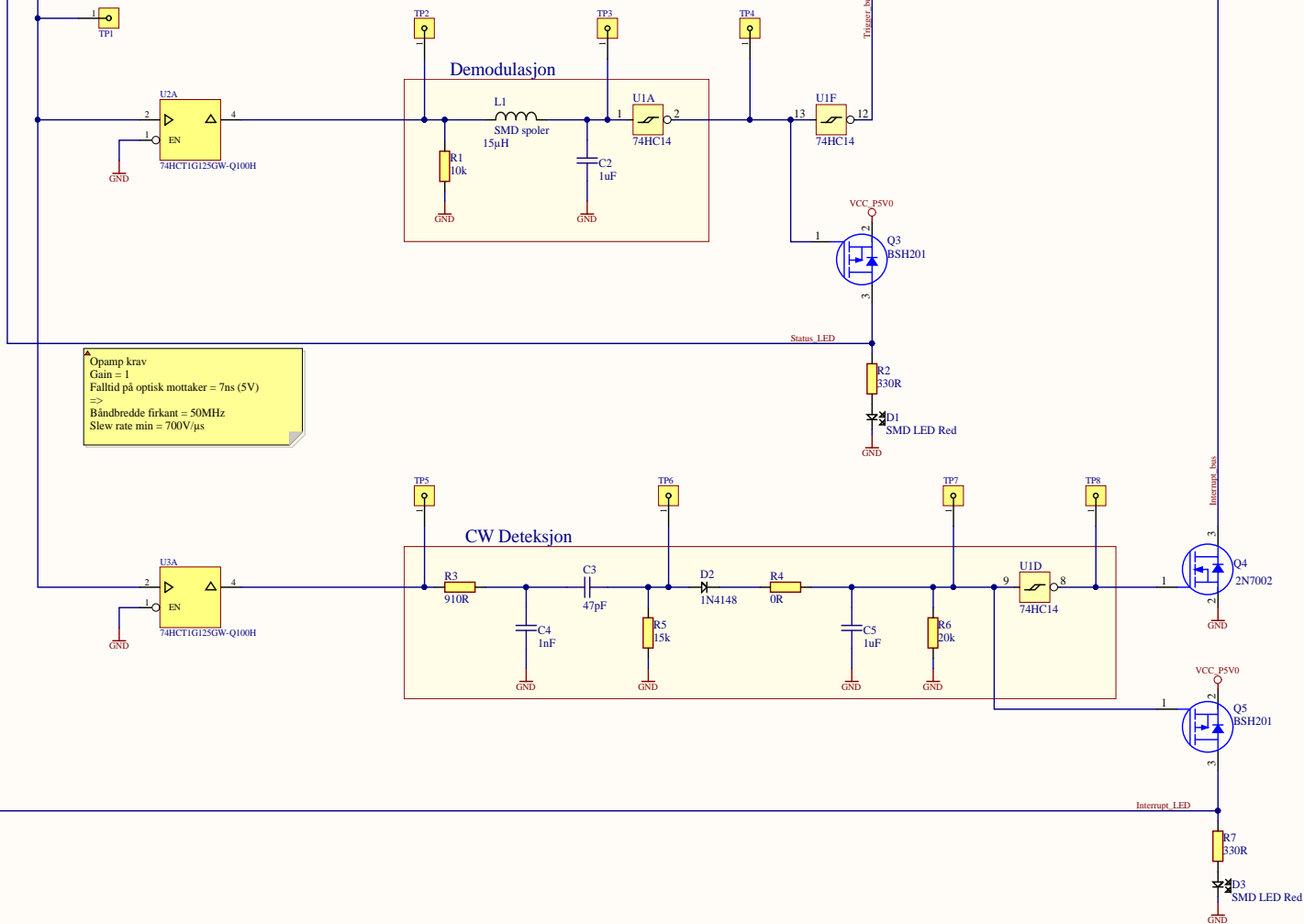


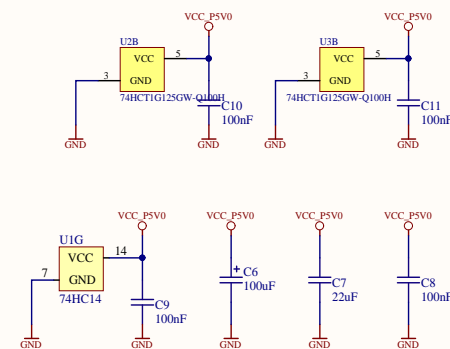
# Card edge connector



PCI\_Express-36P



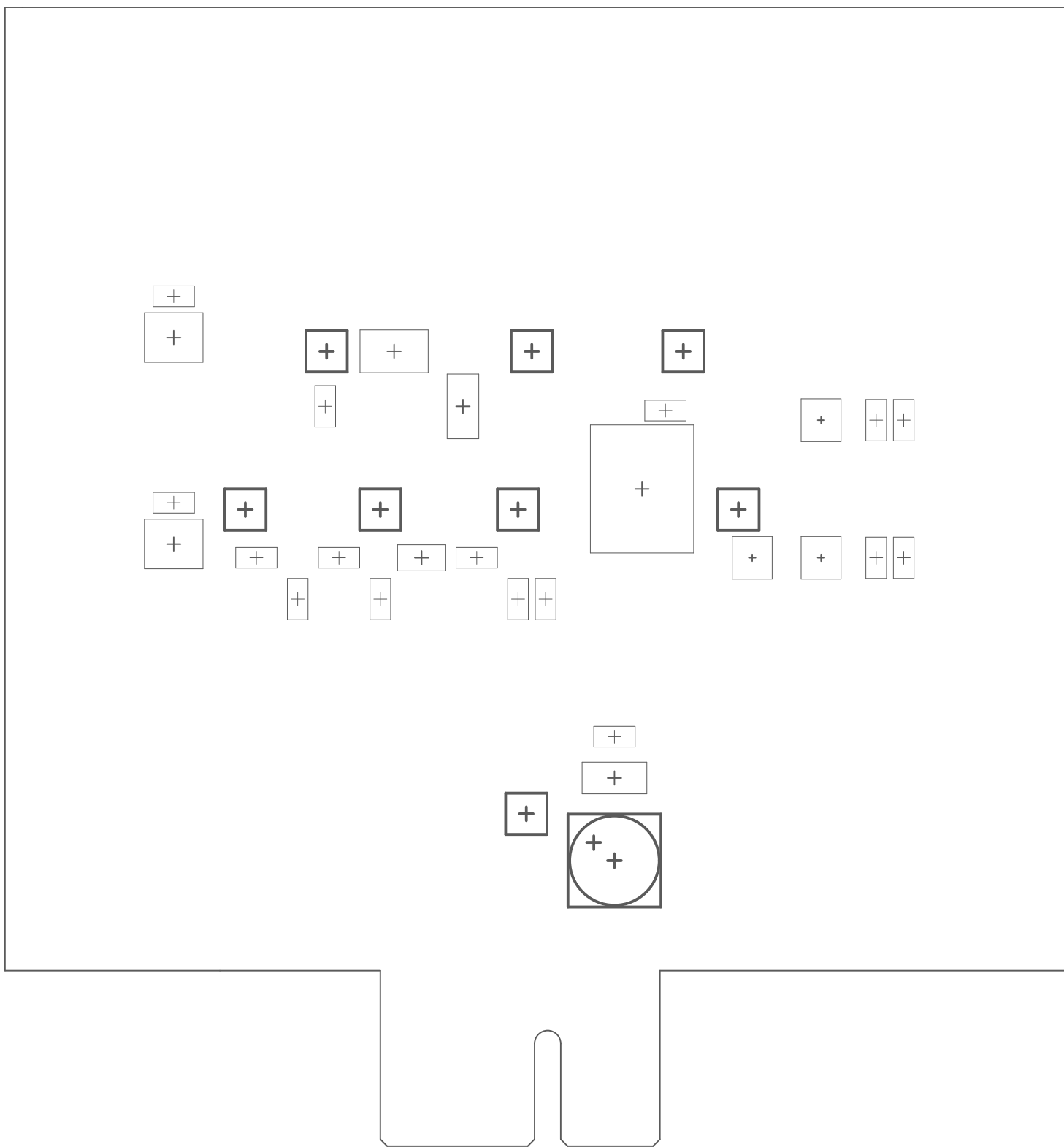
Opamp krav  
Gain = 1  
Falltid på optisk mottaker = 7ns (5V)  
=>  
Båndbredde firkant = 50MHz  
Slew rate min = 700V/µs

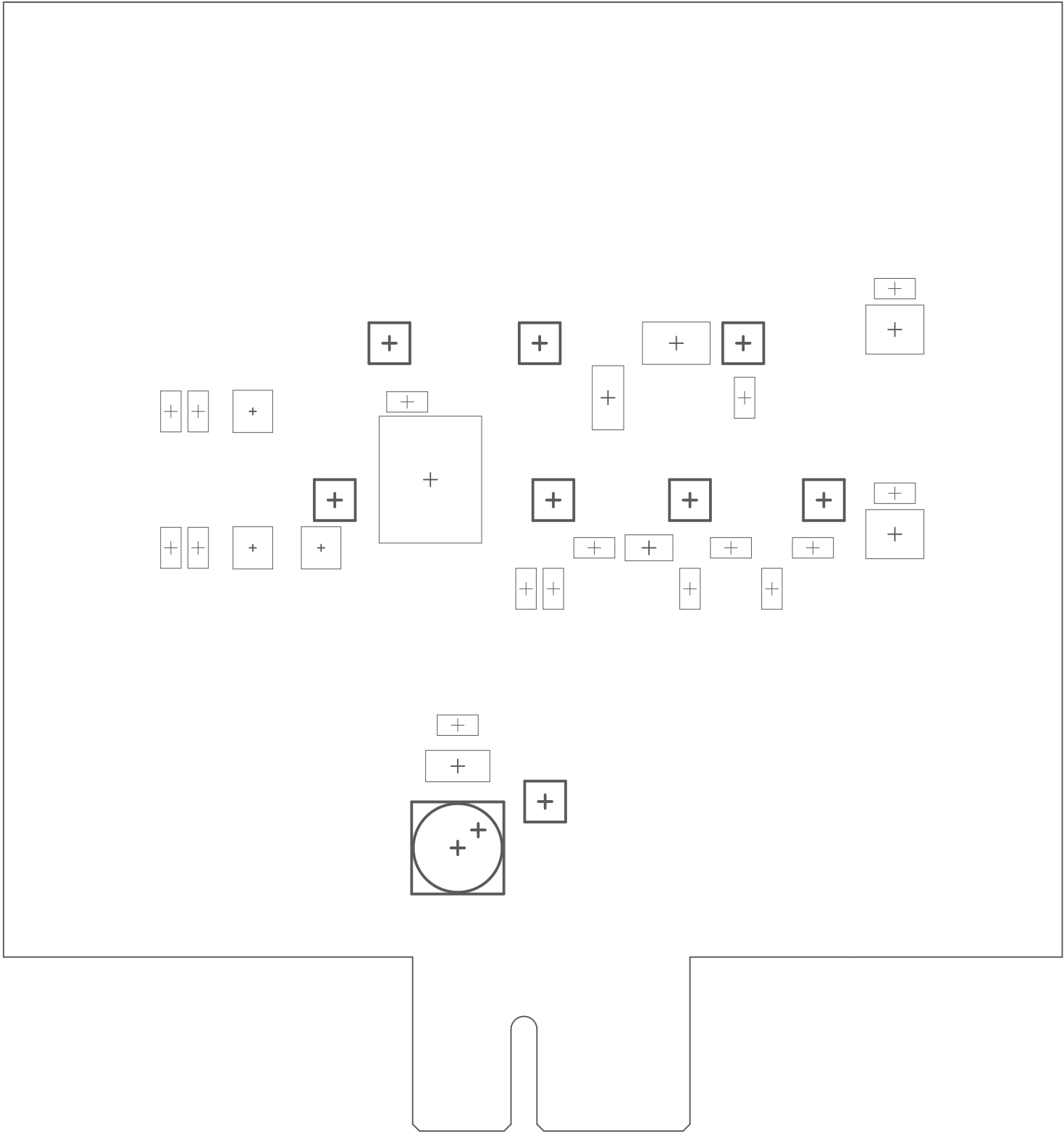


## Title: TK512 Optisk Mottaker

Size: A3	Revision: 0	Author: Øystein Smith
Date: 23.01.2019	Sheet 6 of 20	Omega Verktøed
File: C:\git\tesla-driver\05_Hardware\TK500_Driver\TK512_Optisk_Mottaker\TK512_Optisk_Mottaker.SchDoc		









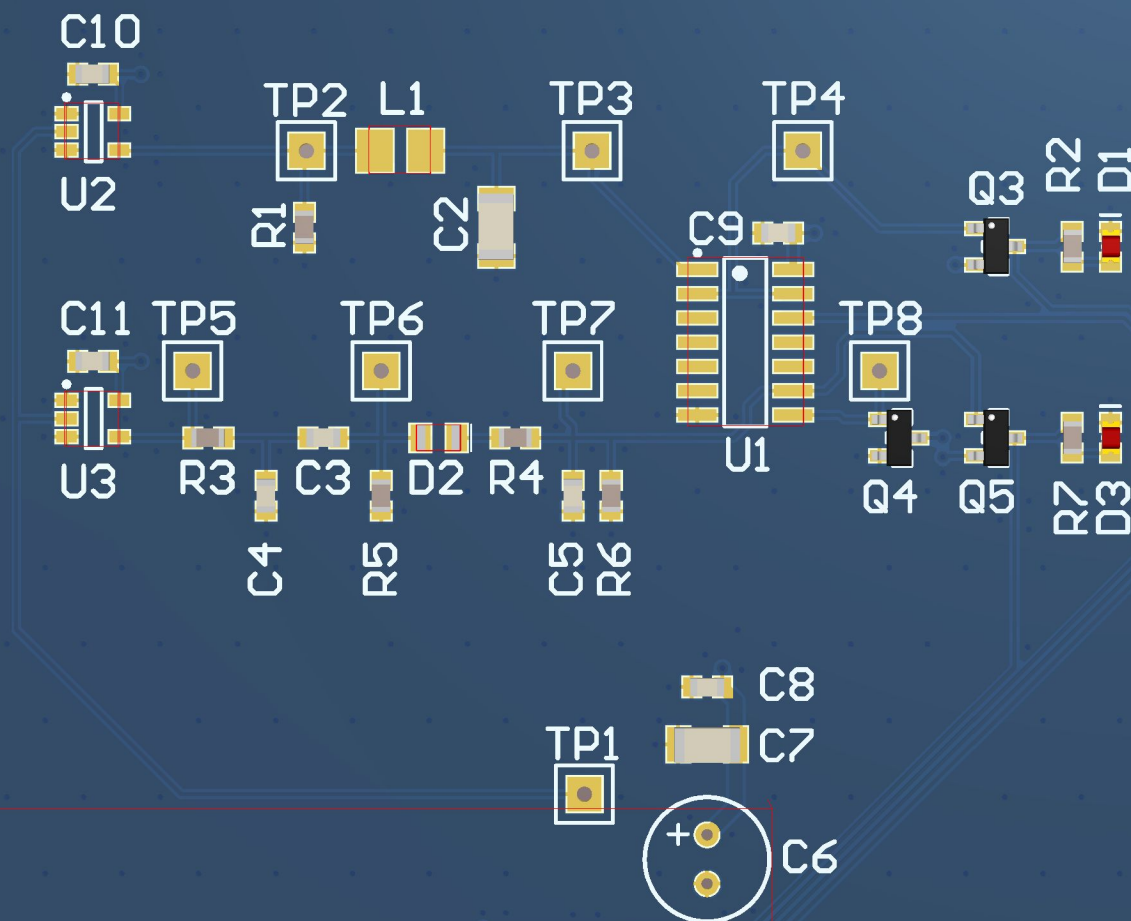
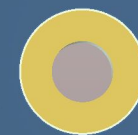
# TK512 Optisk Mott.

Teslakom

Omega Verksted

Rev 1.0

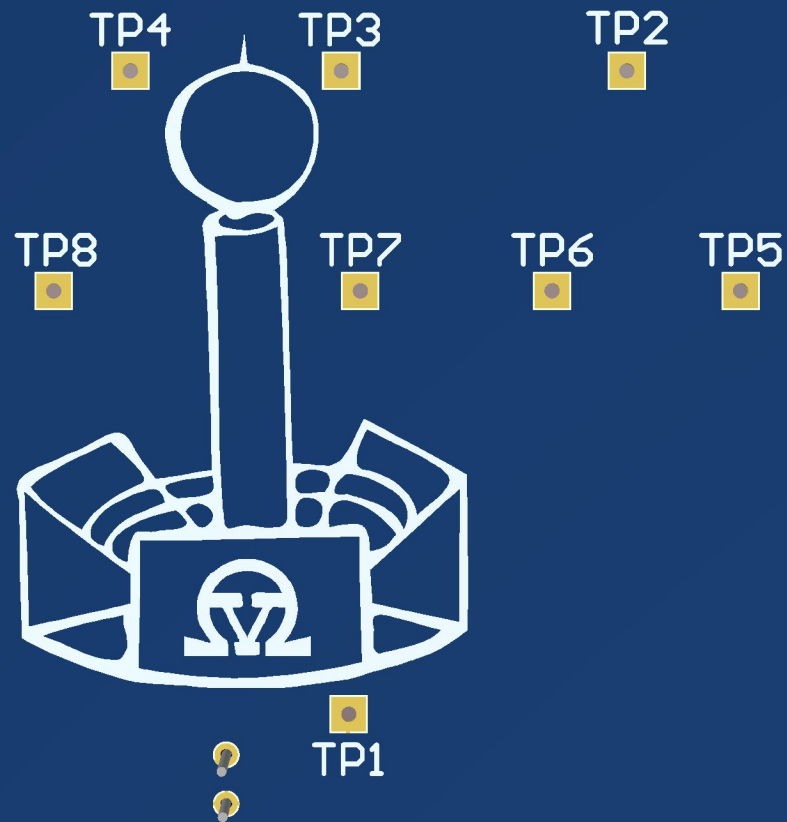
23.01.2019

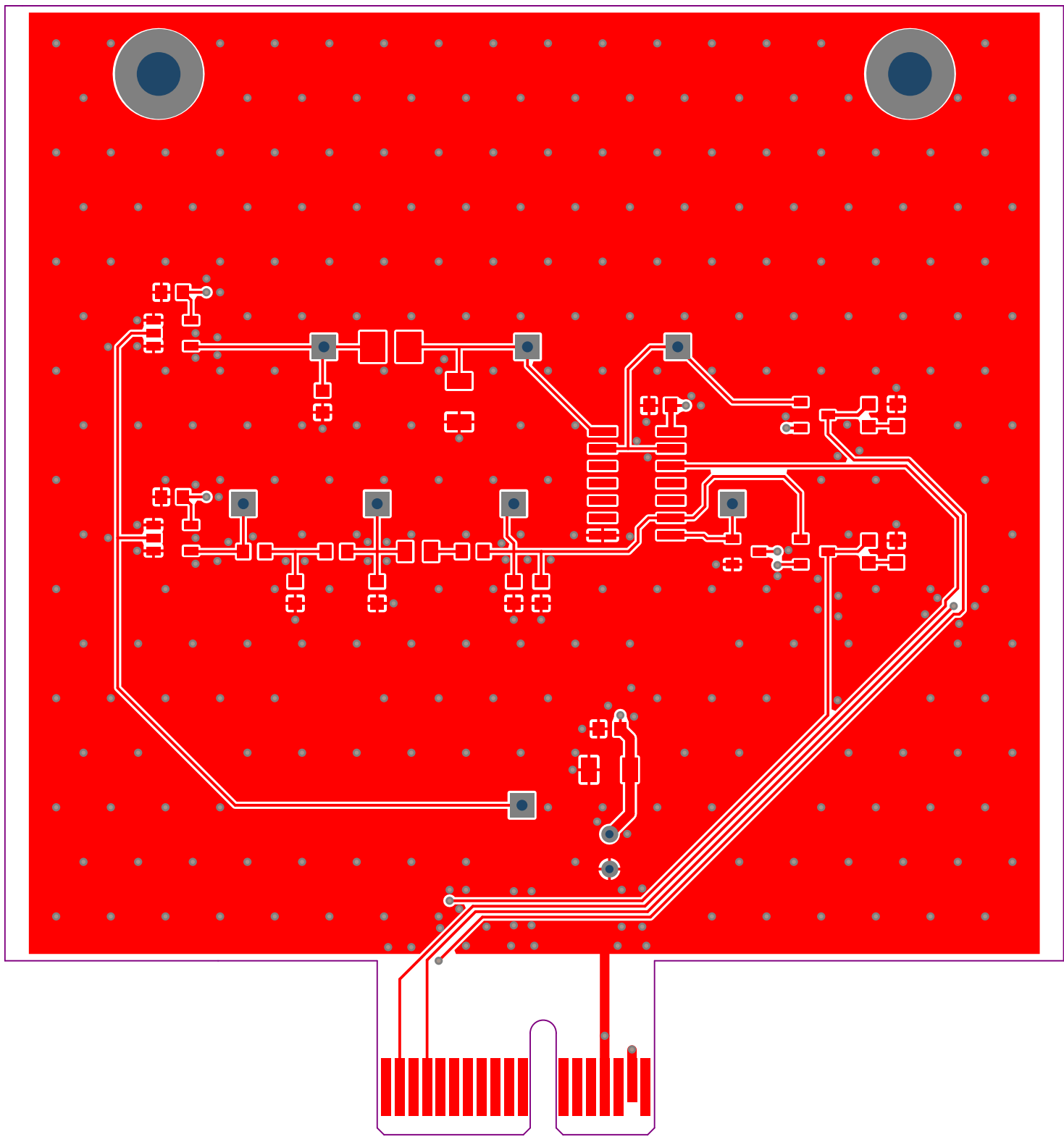


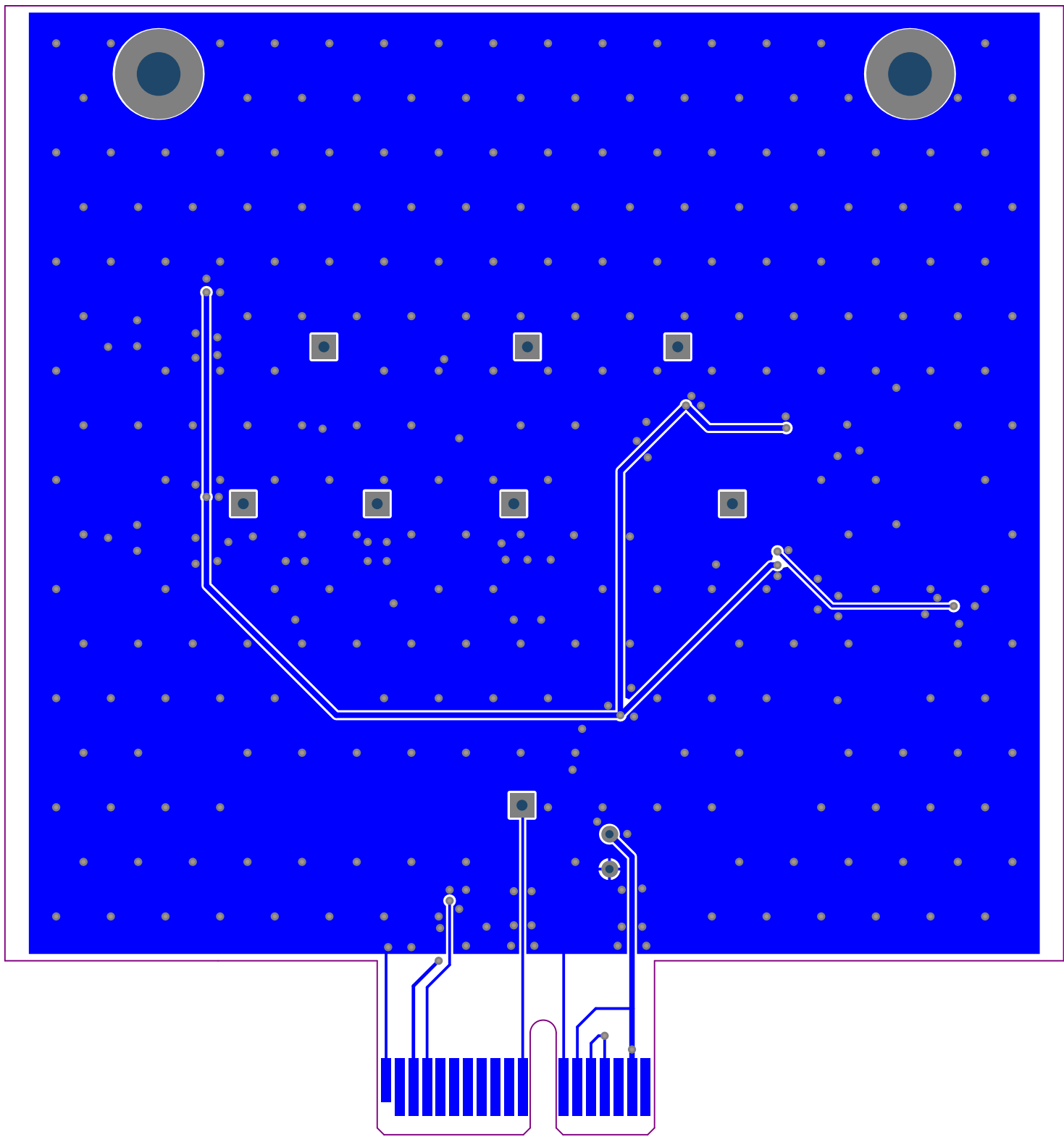
# TK512 Optisk Mottaker

Teslakom  
Rev 1.0

Omega Verksted  
23.01.2019







Designator	navn	beskrivelse	hyll e	rad	kol on ne	dyb de	pris
C2	1uF						2
C3	47pF						1
C4	1nF						1
C5	1uF						4
C6	100uF		3	9	3	0	2
C7	22uF						3
C8, C9, C10, C11	100nF						1
D1, D3	SMD LED Red	SMD	13	0	0	2	1
D2	1N4148	SMD signaldiode	6	3	0	0	1
J1	PCIeX1-GF-2D-1000-1K-O36						0
L1	SMD spoler						-1
Q3, Q5	BSH201						3
Q4	2N7002		4	2	3	0	2
R1	10k		6	-1	0	72	0
R2, R7	330R		6	-1	0	36	0
R3	910R		6	-1	0	47	0
R4	0R						0
R5	15k		6	-1	0	76	0
R6	20k		6	-1	0	79	0
TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8	Header 1x1	2,54mm pitch					1
U1	74HC14	Hex Schmitt trigger					4
U2, U3	74HCT1G125GW-Q100H	Buffer / Line Driver, 74HCT1G125, 4.5 V to 5.5 V, TSSOP-5					1