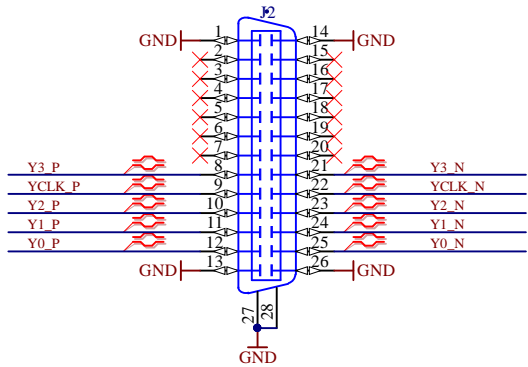
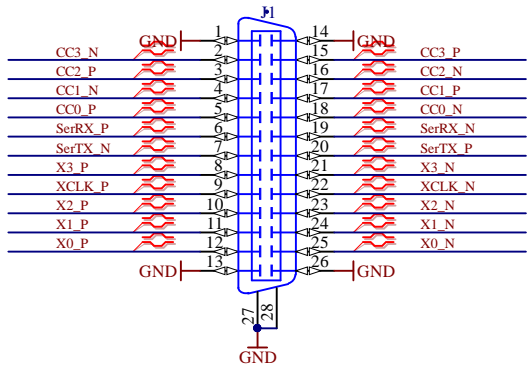
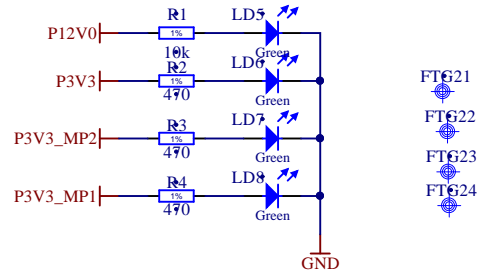
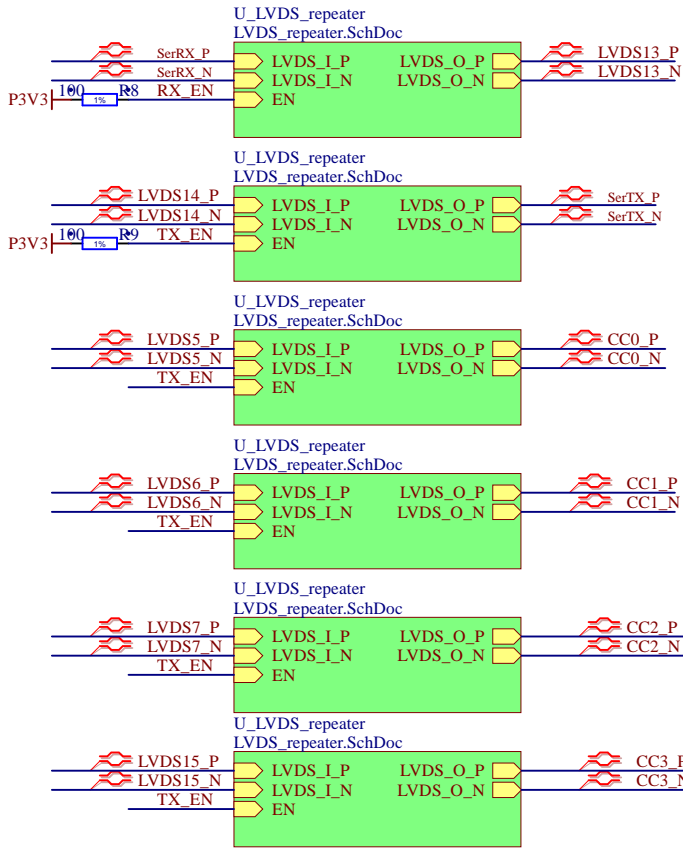
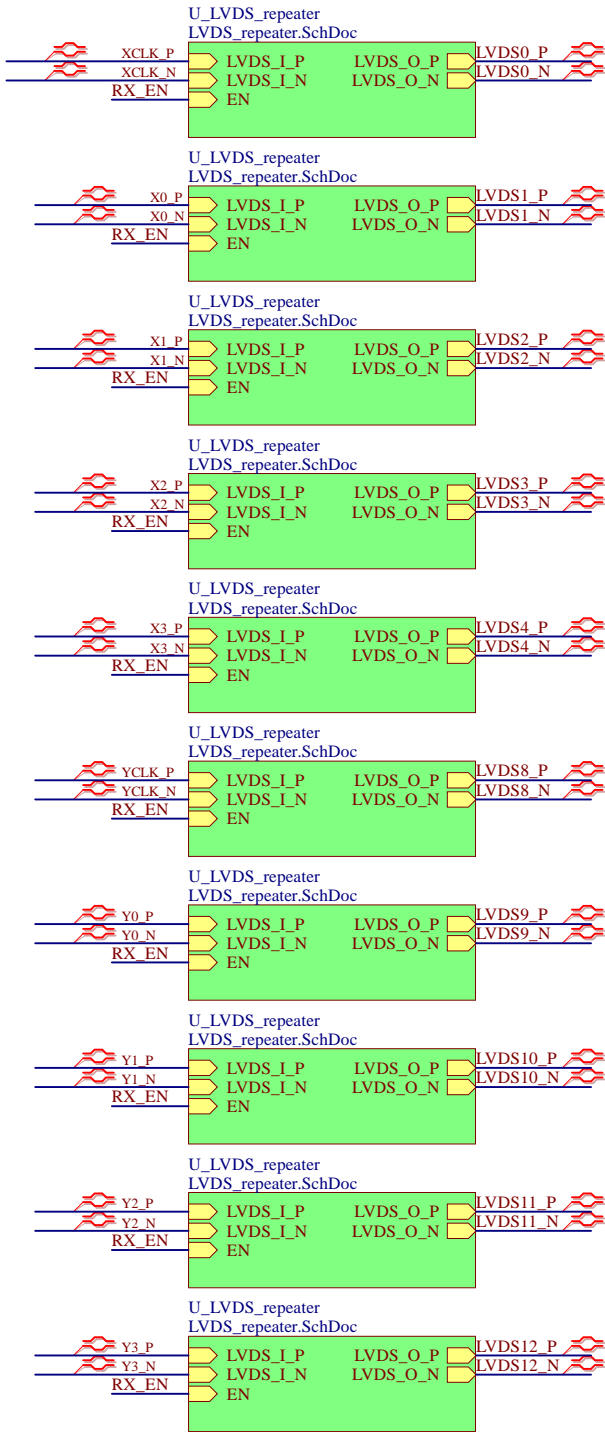


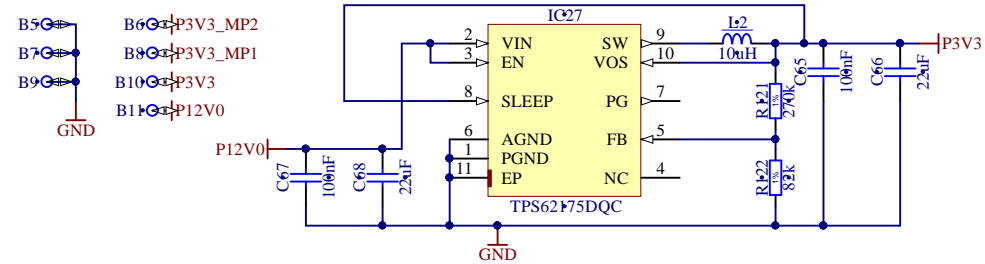
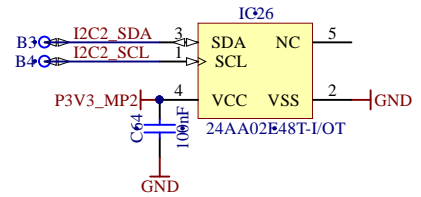
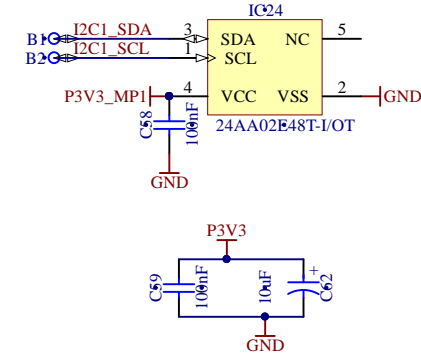
BASE



MEDIUM



This module connects to Kasli or to VHDCI Metlino breakout board
All signals are LVDS, in case of Metlino and Kasli the VCC is 1.8V
I2C is 3.3V LVCMOS
P3V3_MP can handle up to 20mA
P12V0 rail current is up to 500mA

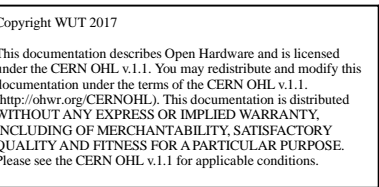


EEM-A

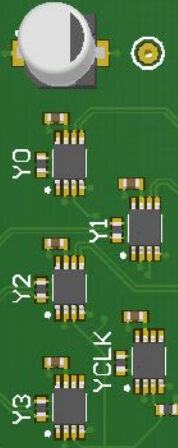
EEM-B

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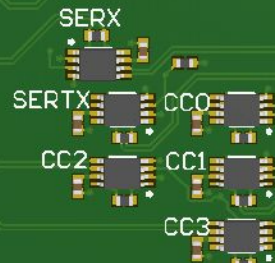
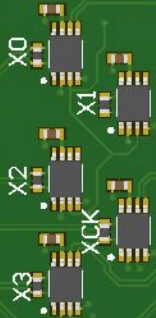
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Document	Designer		G.K.
	Drawn by		G.K.
	Check by		-
	Last Mod.		11.12.2017
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Warsaw University of Technology		ISE	
Nowowiejska 15/19		ARTIQ	
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		A3	
		Rev	
		-	



PCB 3U CameraLink rev1.0



GND



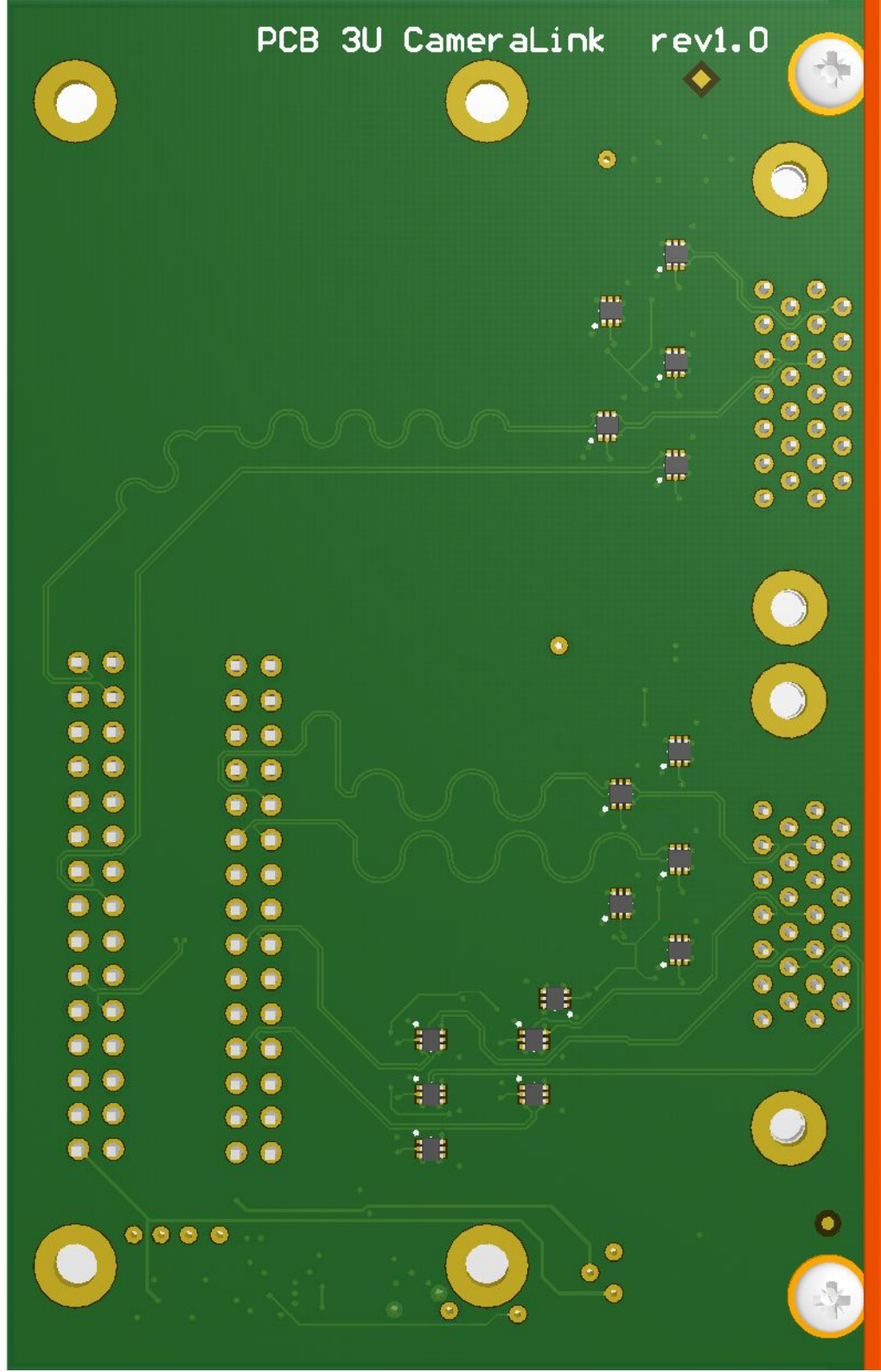
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KASLI CH8...15 EEM-B

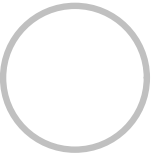
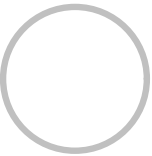


12V GND +3.3

PCB 3U CameraLink rev1.0



PCB 3U CameraLink rev1.0



3.3V
M1
M2
12V

MP1
MP2

12V
GND
+3.3

GND

15
14
1
2
13
26
12

15
14
1
2
13
26
12

Y0
Y1
Y2
Y3
YCLK

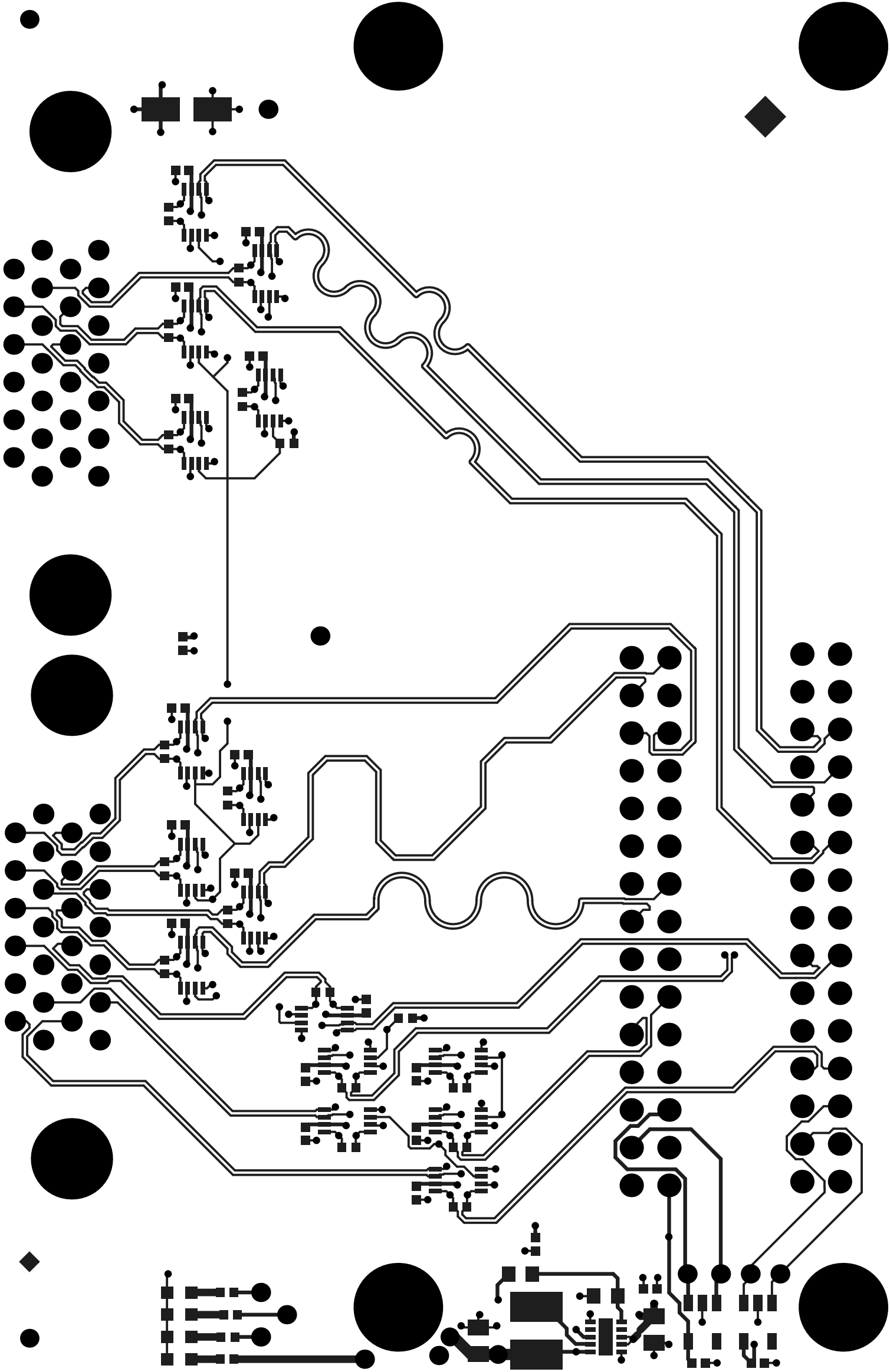
X0
X1
X2
X3
XCK

SERTX
CC0
CC1
CC2
CC3
SERX

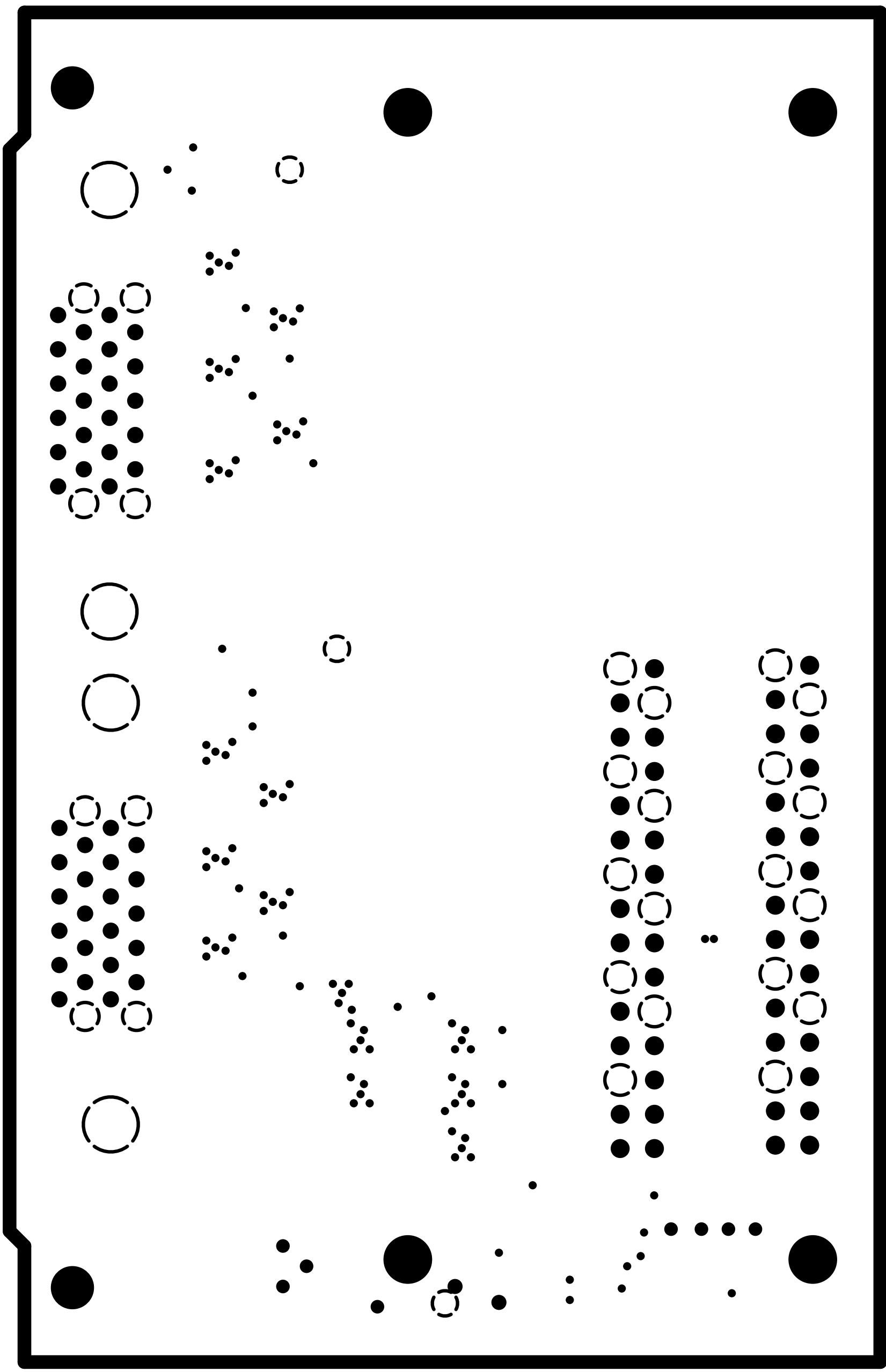
KASLI CHO...7 EEM-A

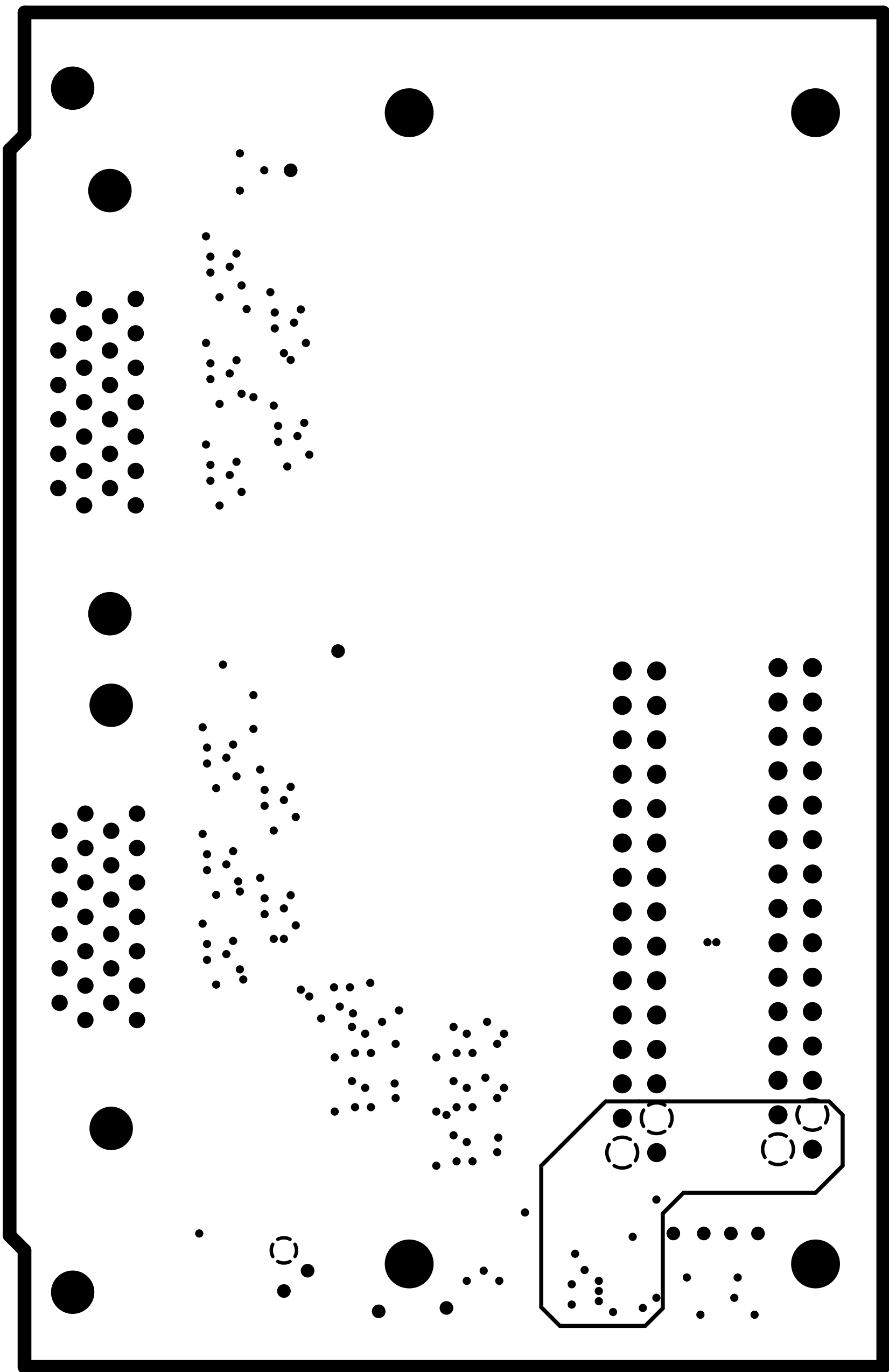
KASLI CH8...15 EEM-B

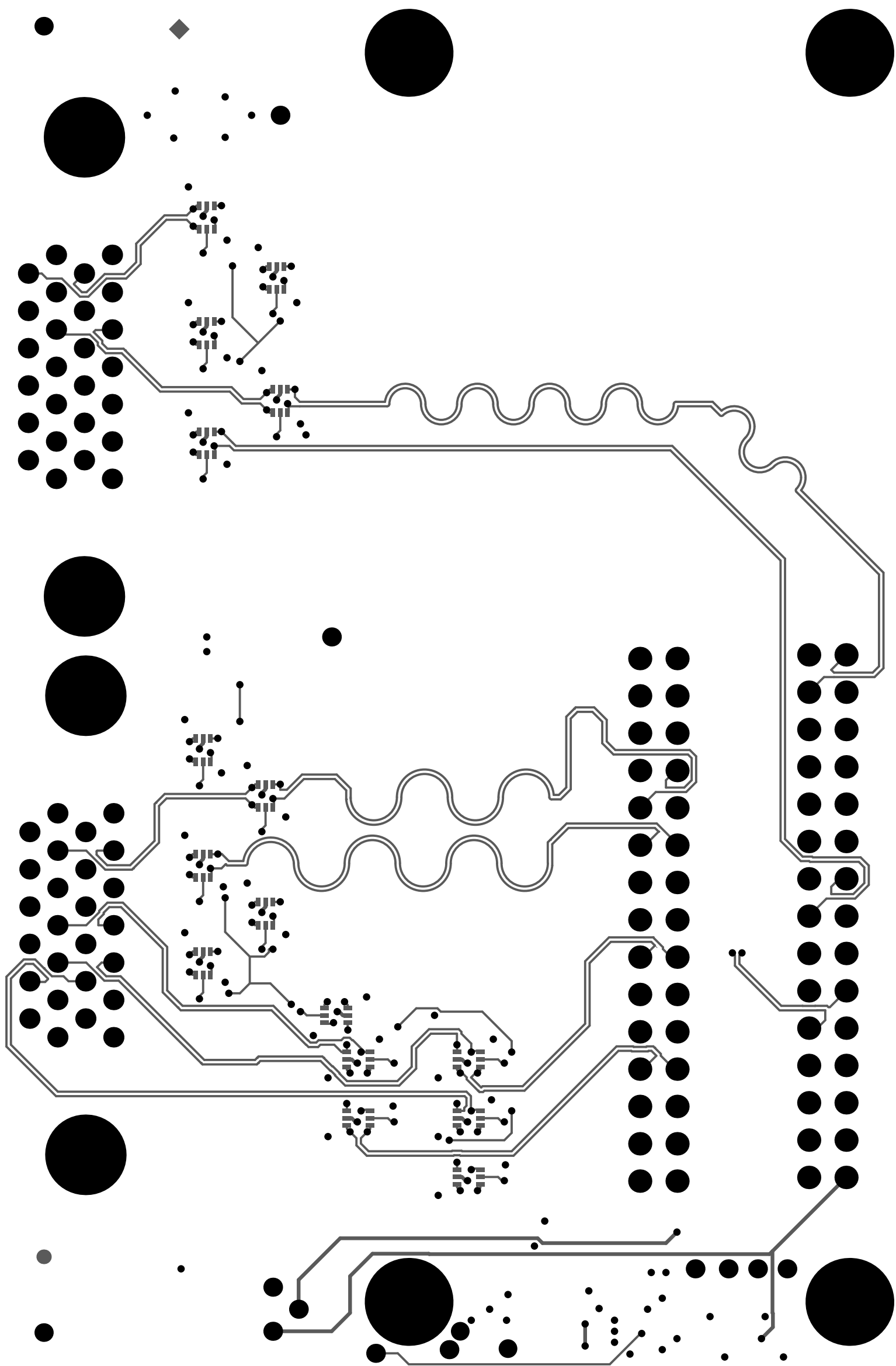




Layer	Name	Material	Thickness	Constant	Board Layer	Stack
1	TopOverlay					
2	TopSolder	Solder Resist	2.09mil	3.5		
3	TopLayer	Copper	1.40mil			
4	Dielectric1	FR-4	7.87mil	4.8		
5	Internal Plane 2	Copper	1.42mil			
6	Dielectric 4		39.37mil	4.2		
7	Internal Plane 1	Copper	1.42mil			
8	Dielectric2	FR-4	7.87mil	4.2		
9	BottomLayer	Copper	1.40mil			
10	BottomSolder	Solder Resist	2.09mil	3.5		
11	BottomOverlay					







PCB 3U CameraLink rev1.0

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