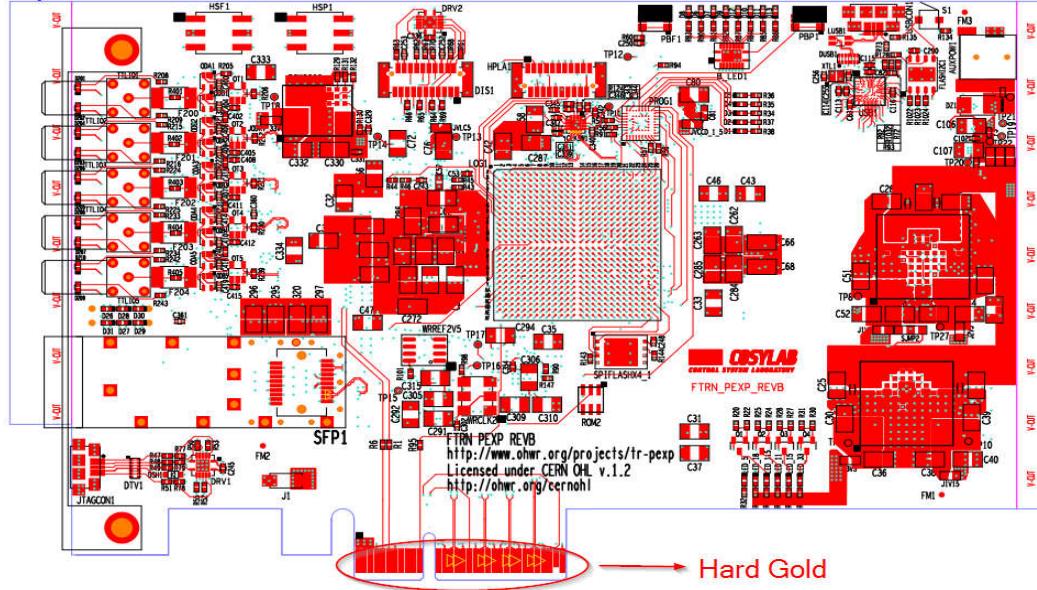


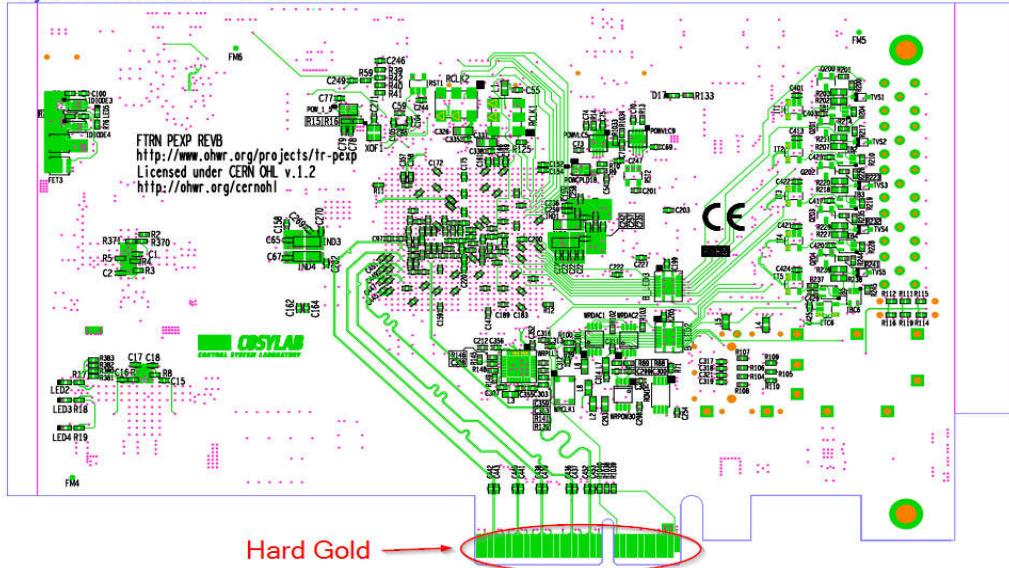
PCB Specification

PCB name:	FTRN_PClE_REVB
Layer count:	12L
Base material:	FR4, Tg≥170
Board dimension:	168 x 103 mm
Board thickness:	1.6 mm
Quantity:	8~10
Impedance requirements:	All Cu-lines single ended impedance value on all layers 50 Ohm ± 15% All Differential pairs Impedance value on all layers 100 Ohm, 90 Ohm ± 10%
Surface finish:	RoHS – ENIG, PCI express connector = HARD GOLD
Solder mask color:	Red
Legend (Silkscreen):	White
V-cut (Scoring):	Yes
Via-in-pad(capped via):	Yes
Manufacturer logo on PCB:	NO
Date code on PCB:	YES

Layer1 - TOP + Silkscreen



Layer12 - BOTTOM + Silkscreen



Stackup:

Subclass Name	Type	Material	Thickness (MM)	Conductivity (mho/cm)	Dielectric Constant	Loss Tangent	Negative Artwork	Shield	Width (MM)	Single Impedance (ohm)	Coupling Type	Spacing (MM)	Differential Impedance (ohm)	Unused Pin Pad Suppression	Unused Via Pad Suppression
	SURFACE	AIR		0	1	0									
TOP	CONDUCTOR	COPPER	0,035	595900	4	0			0,093	50	EDGE	0,15	100,32		
	DIELECTRIC	FR-4	0,08	0	3,8	0,035									
2 GND	PLANE	COPPER	0,017	595900	4	0	Yes								
	DIELECTRIC	FR-4	0,12	0	4,2	0,035									
3 DIFF1	CONDUCTOR	COPPER	0,017	595900	4	0			0,085	50	EDGE	0,17	101,35		
	DIELECTRIC	FR-4	0,12	0	3,8	0,035									
4 GND	PLANE	COPPER	0,017	595900	4	0,035	Yes								
	DIELECTRIC	FR-4	0,12	0	4,2	0,035									
5 DIFF2	CONDUCTOR	COPPER	0,017	595900	4	0			0,085	50	EDGE	0,17	101,35		
	DIELECTRIC	FR-4	0,12	0	3,8	0,035									
6 GND	PLANE	COPPER	0,017	595900	4	0	Yes								
	DIELECTRIC	FR-4	0,24	0	4,2	0,035									
7 PWR3V3	PLANE	COPPER	0,017	595900	4	0	Yes								
	DIELECTRIC	FR-4	0,12	0	3,8	0,035									
8 PWR2V5	PLANE	COPPER	0,017	595900	4	0	Yes								
	DIELECTRIC	FR-4	0,12	0	4,2	0,035									
9 GND	PLANE	COPPER	0,017	595900	4	0,035	Yes								
	DIELECTRIC	FR-4	0,12	0	3,8	0,035									
10 DIFF3	CONDUCTOR	COPPER	0,017	595900	4	0			0,085	50	EDGE	0,17	101,26		
	DIELECTRIC	FR-4	0,12	0	4,2	0,035									
11 GND	PLANE	COPPER	0,017	595900	4	0	Yes								
	DIELECTRIC	FR-4	0,08	0	3,8	0,035									
BOTTOM	CONDUCTOR	COPPER	0,035	595900	4	0			0,093	50	EDGE	0,15	100,32		
	SURFACE	AIR		0	1	0									

Total Thickness: 1.6 MM