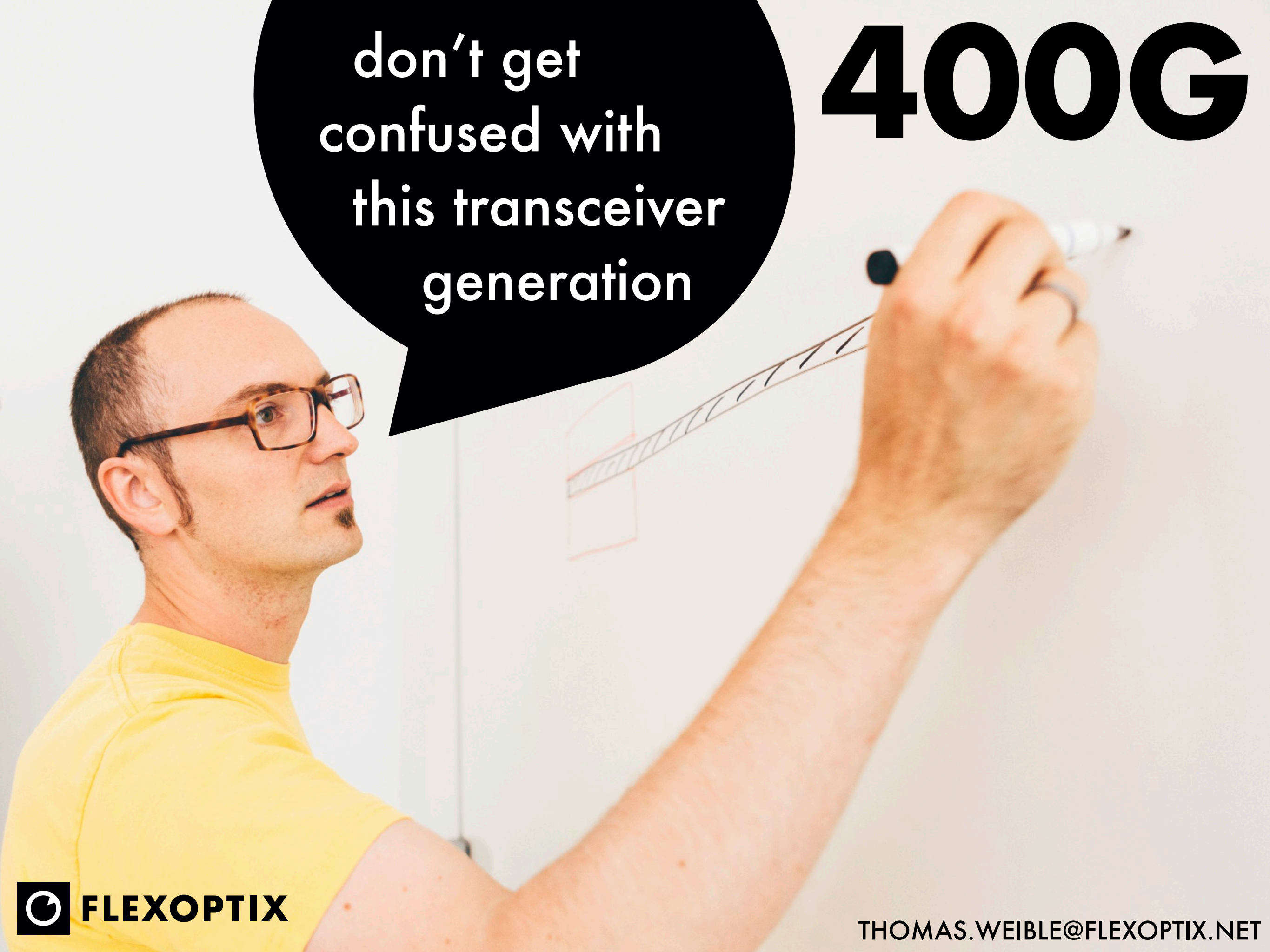
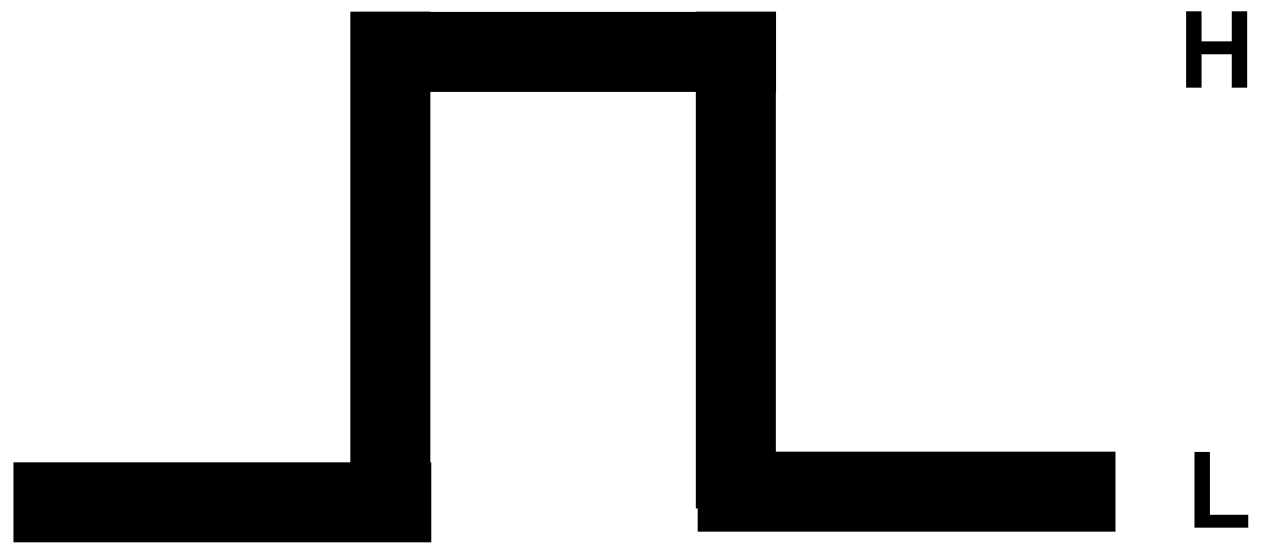


don't get
confused with
this transceiver
generation

400G

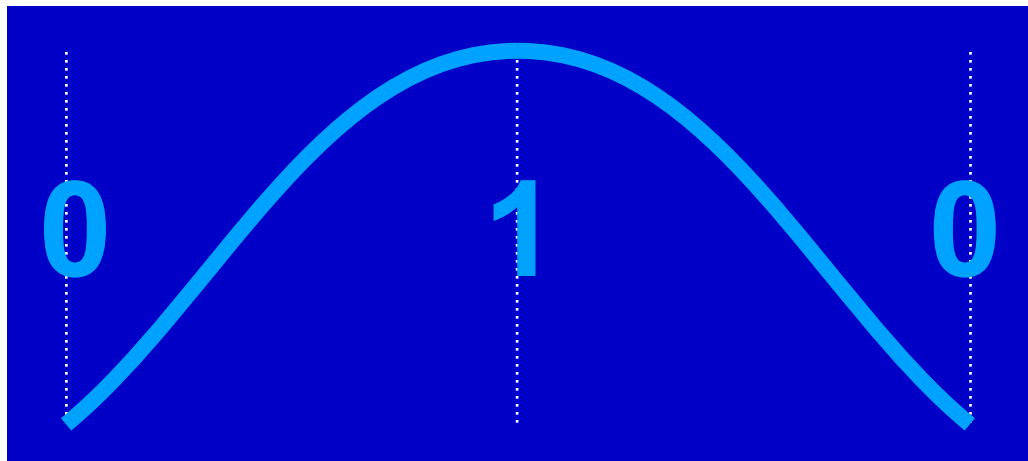


theory



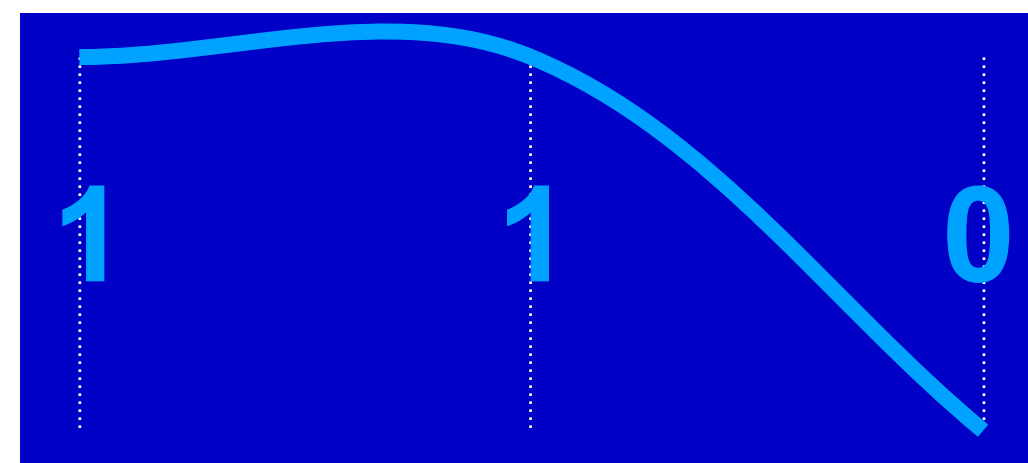
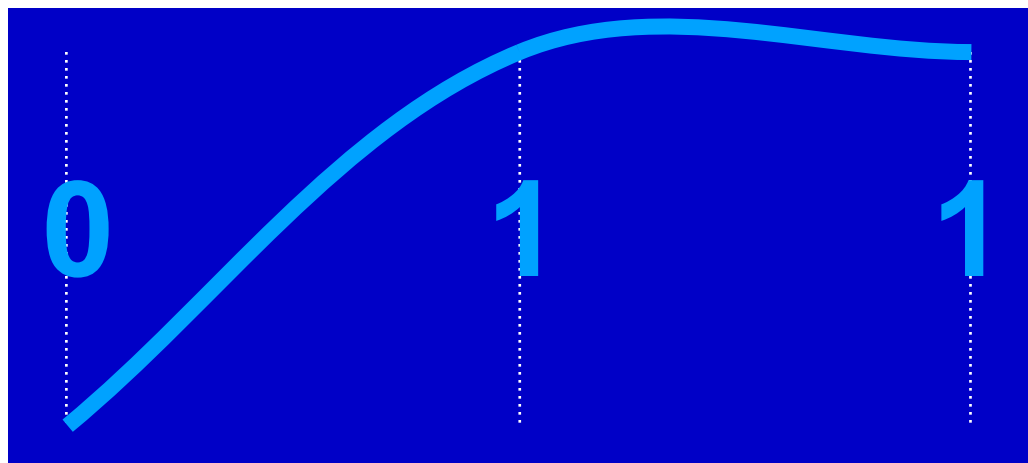
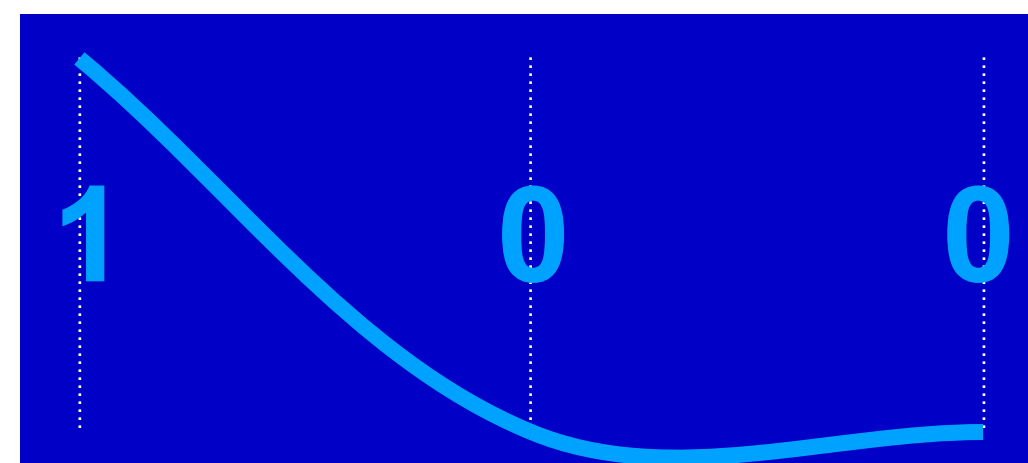
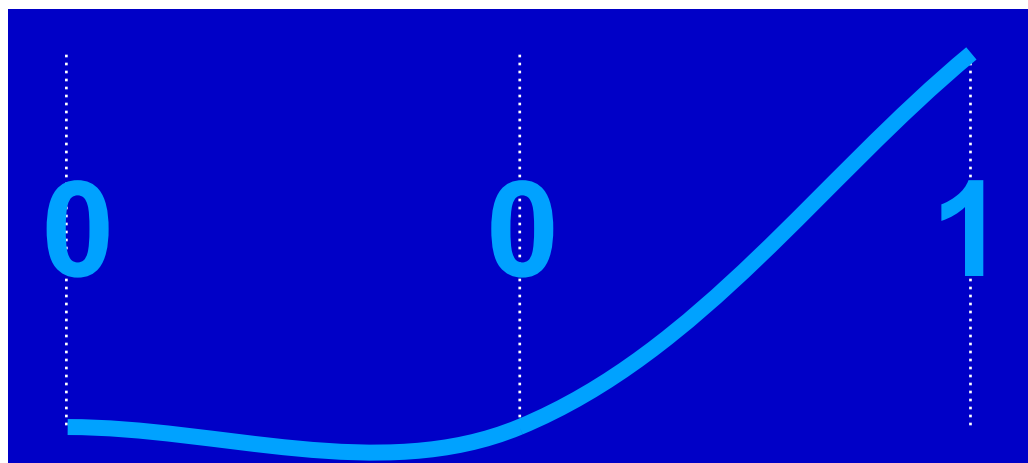
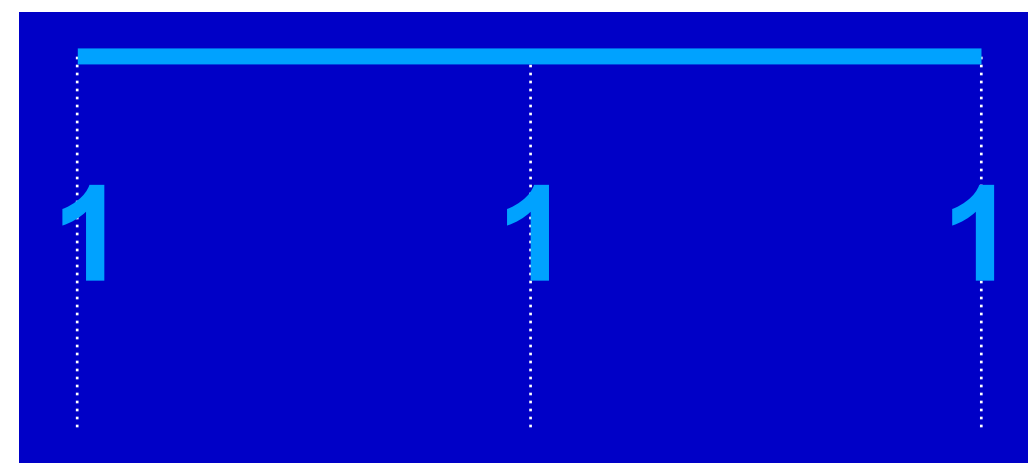
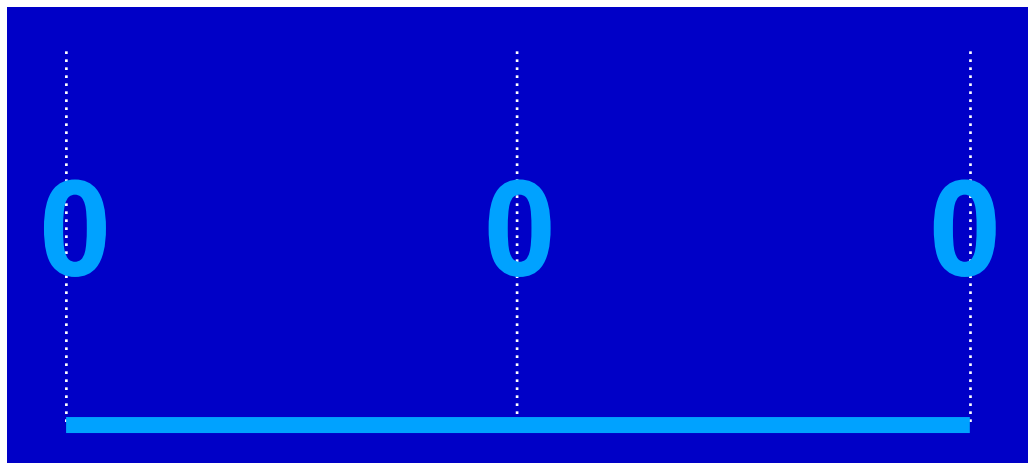
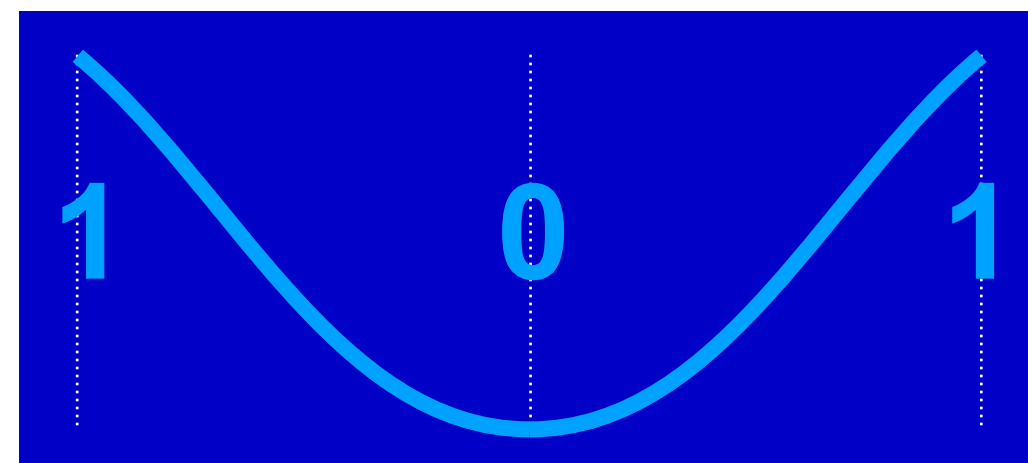
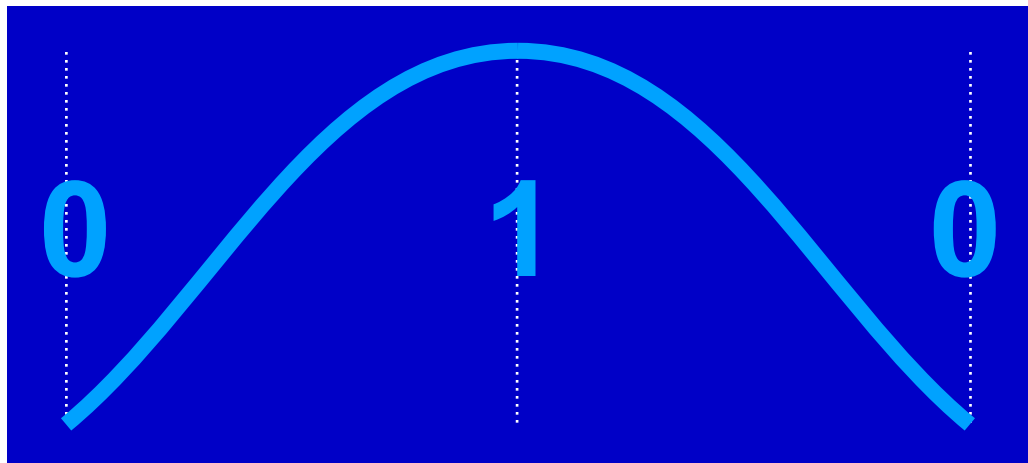
THOMAS.WEIBLE@FLEXOPTIX.NET





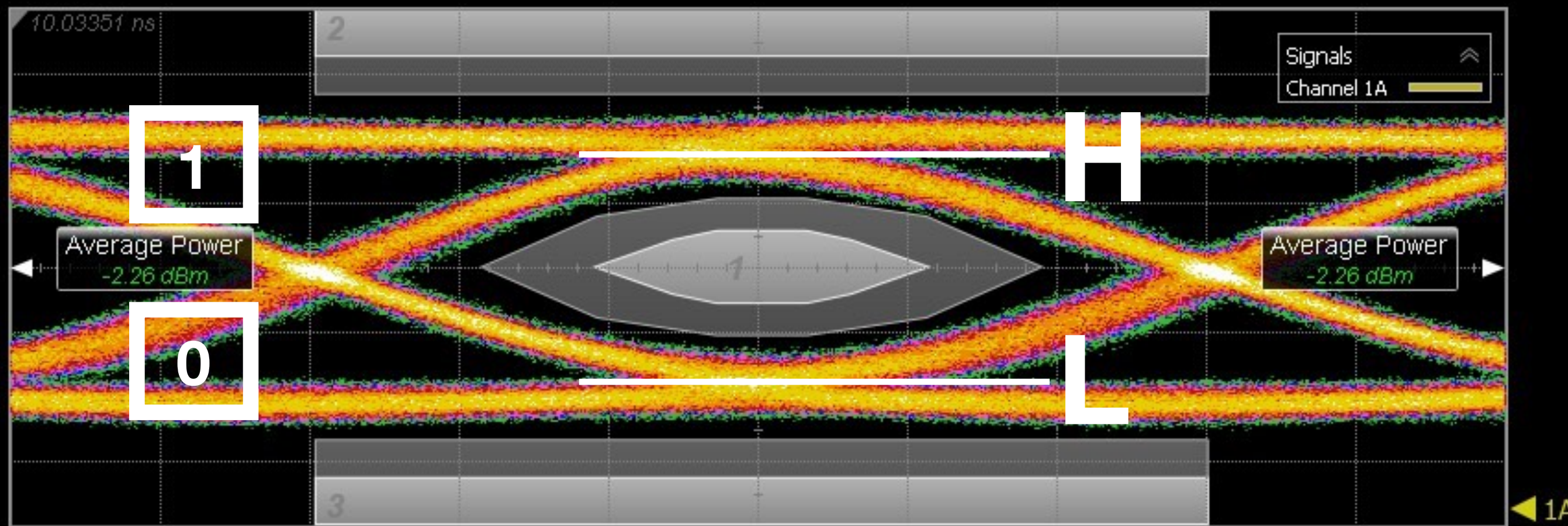
H

L



Waveform

000001010011100101110111...



Mask Test

Mask 1

Mask: 100G-CWDM4

Change...

Symbol Rate: 25.781 GBd

Source: 1A

Align Method: Eye Cross Mean

Waveforms: 614 wfm

Samples/UI: 754.48 ksa

Margin: 40.6 %

Standard Mask Violations

Region 1: 0 hits

Region 2: 0 hits

Region 3: 0 hits

Total: 0 hits

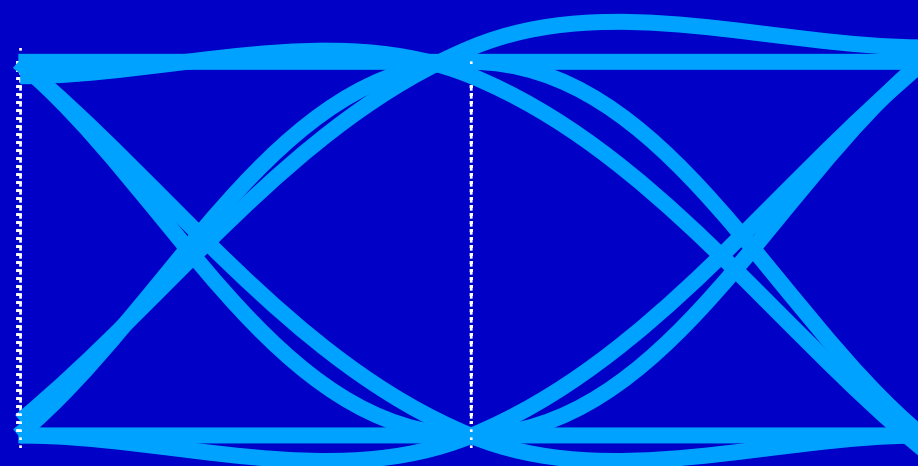
Margin Mask Violations

Region 1: 0 hits

Region 2: 0 hits

Region 3: 0 hits

Total: 0 hits

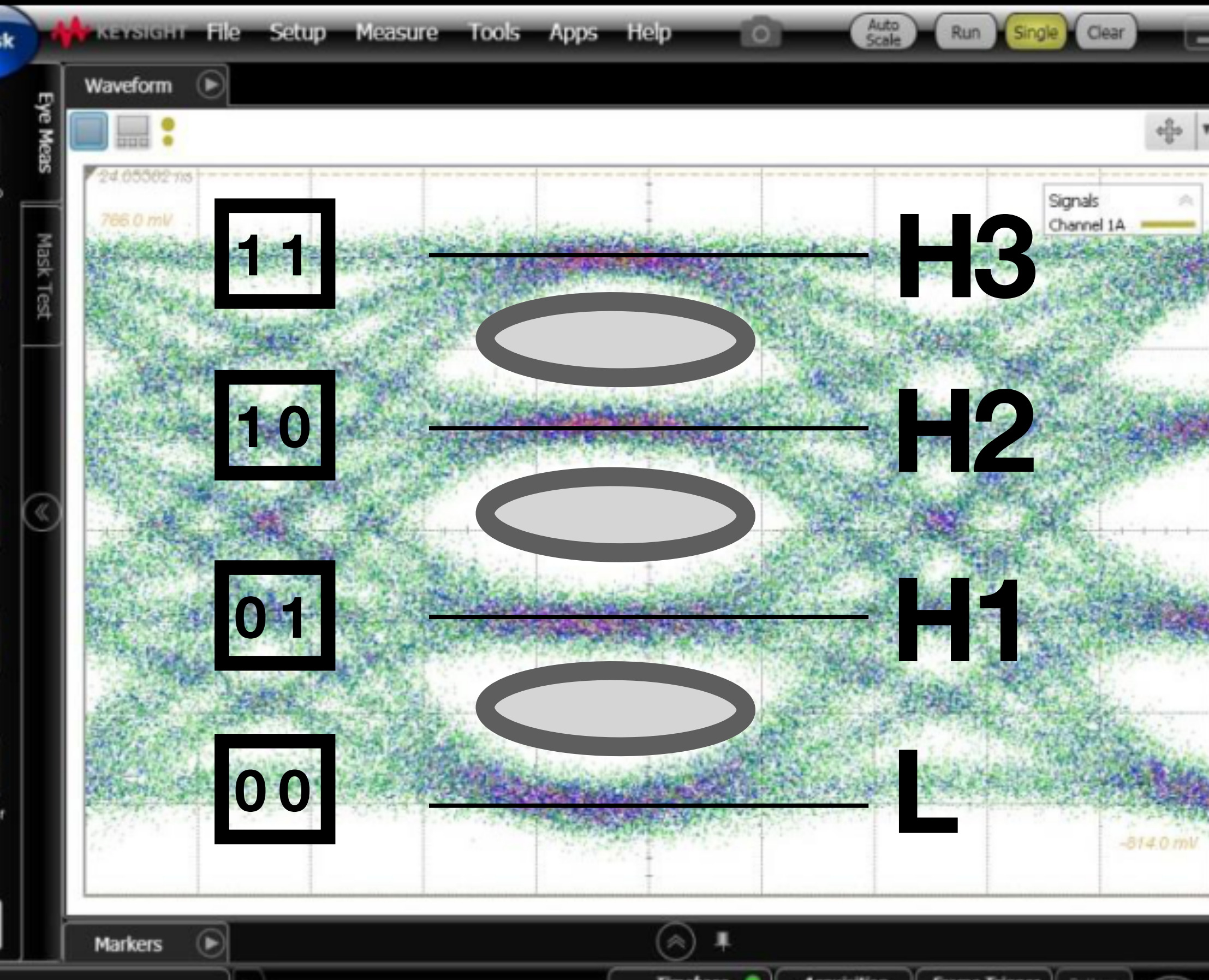




NO



000001010011100101110111...
111011101001110010100000...



P A M 4

hands on



recap 100G

electrical

4 x 25G



optical

4 x 25G

 **makes 400G**

electrical

8 x 50G



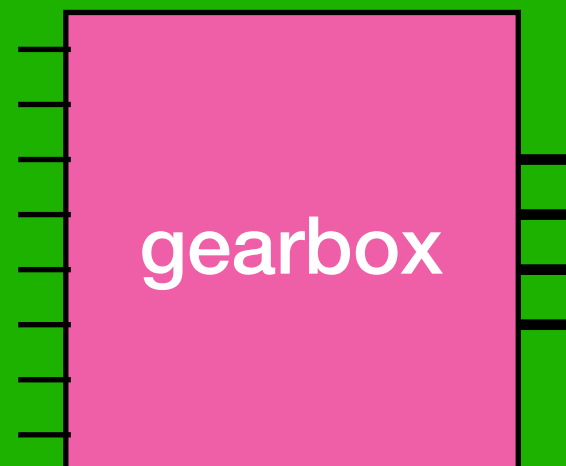
optical

8 x 50G

 makes 400G

electrical

8 x 50G



optical

4 x 100G

SIZE

a super fast switch

35 mm

70 mm

QSFP28

75 mm

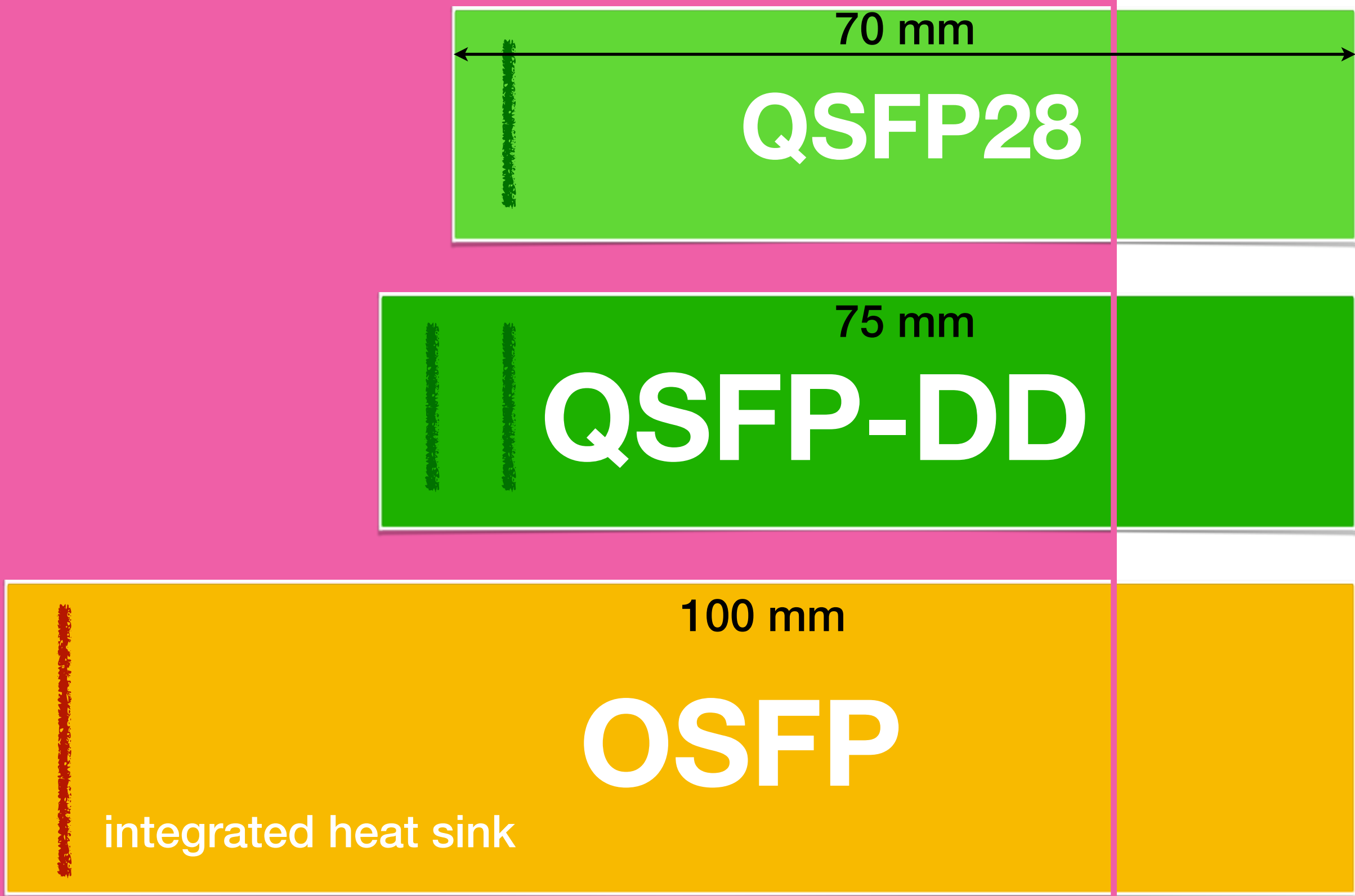
QSFP-DD

100 mm

OSFP

integrated heat sink

?



a super fast switch

400G

3
2
1
0

100G

some 100G gear

QSFP28

hot 100G gear

μQSFP

fancy 100G gear

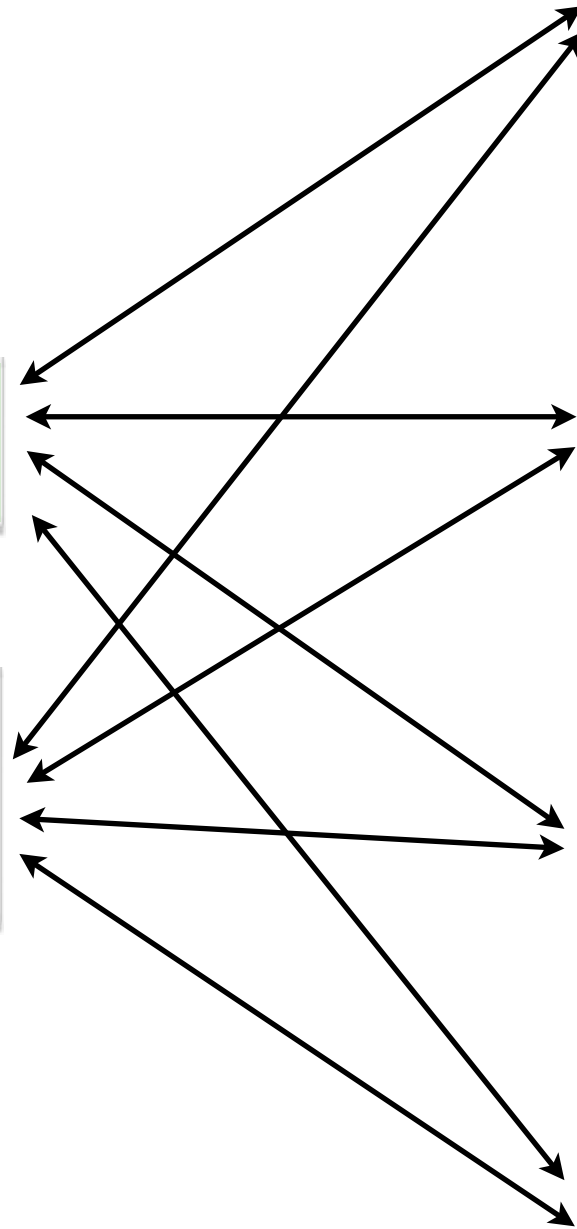
SFP-DD

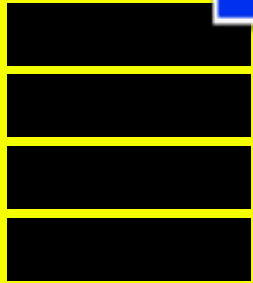
your choice

QSFP-DD

OSFP

....

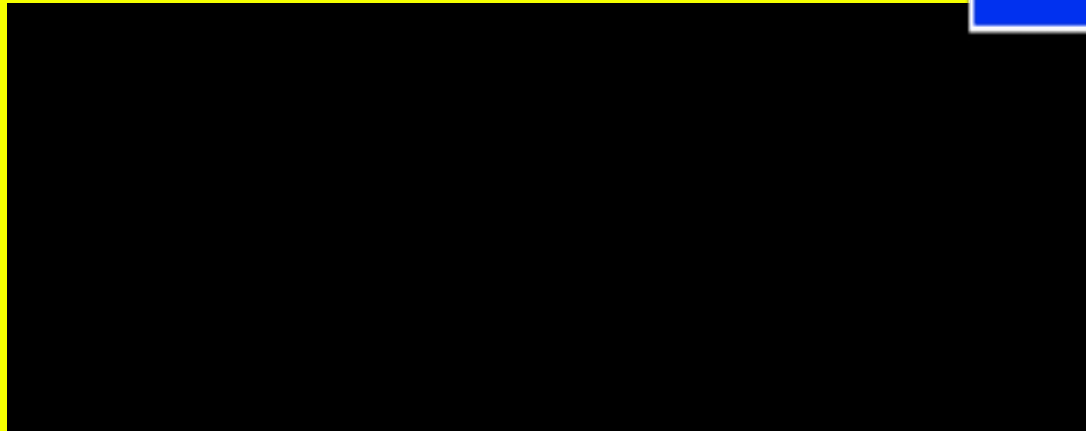


DR4 



500 m

PSM

FR8
FR4 



2 km

λ

CWDM
20nm

LR8
LR4 

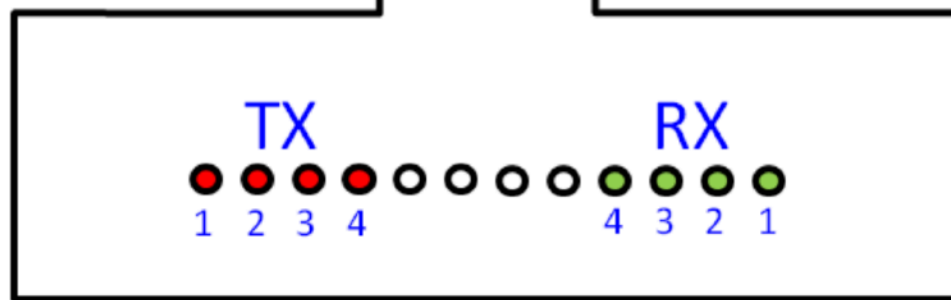
100GLambda MSA & IEEE 802.3bs



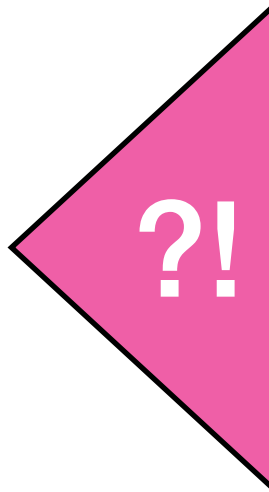
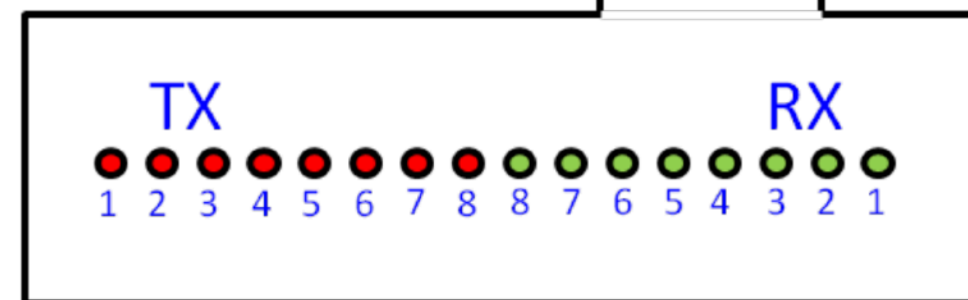
100GLambda MSA & IEEE 802.3bs

and more PLUGS

MPO-12

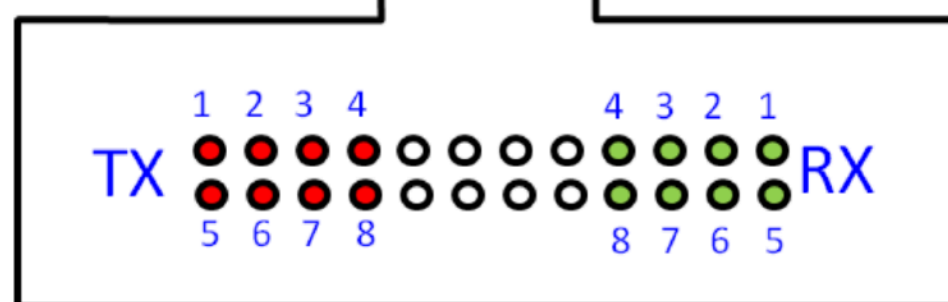


MPO-16

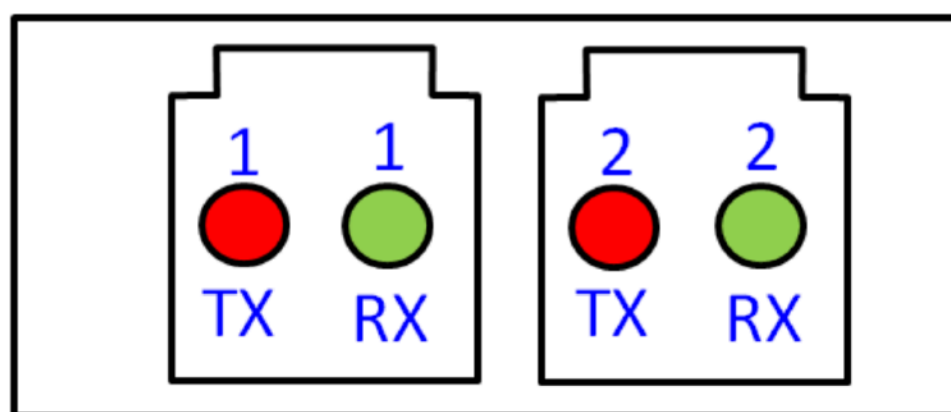


MPO-12

Two Row



CS



Dual LC

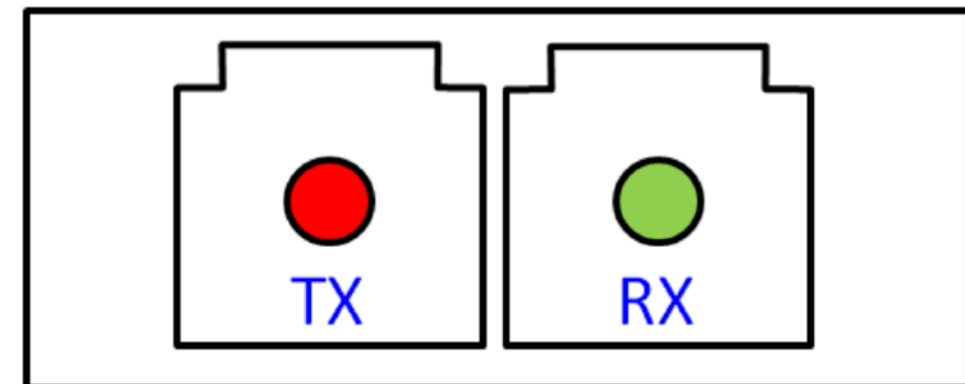
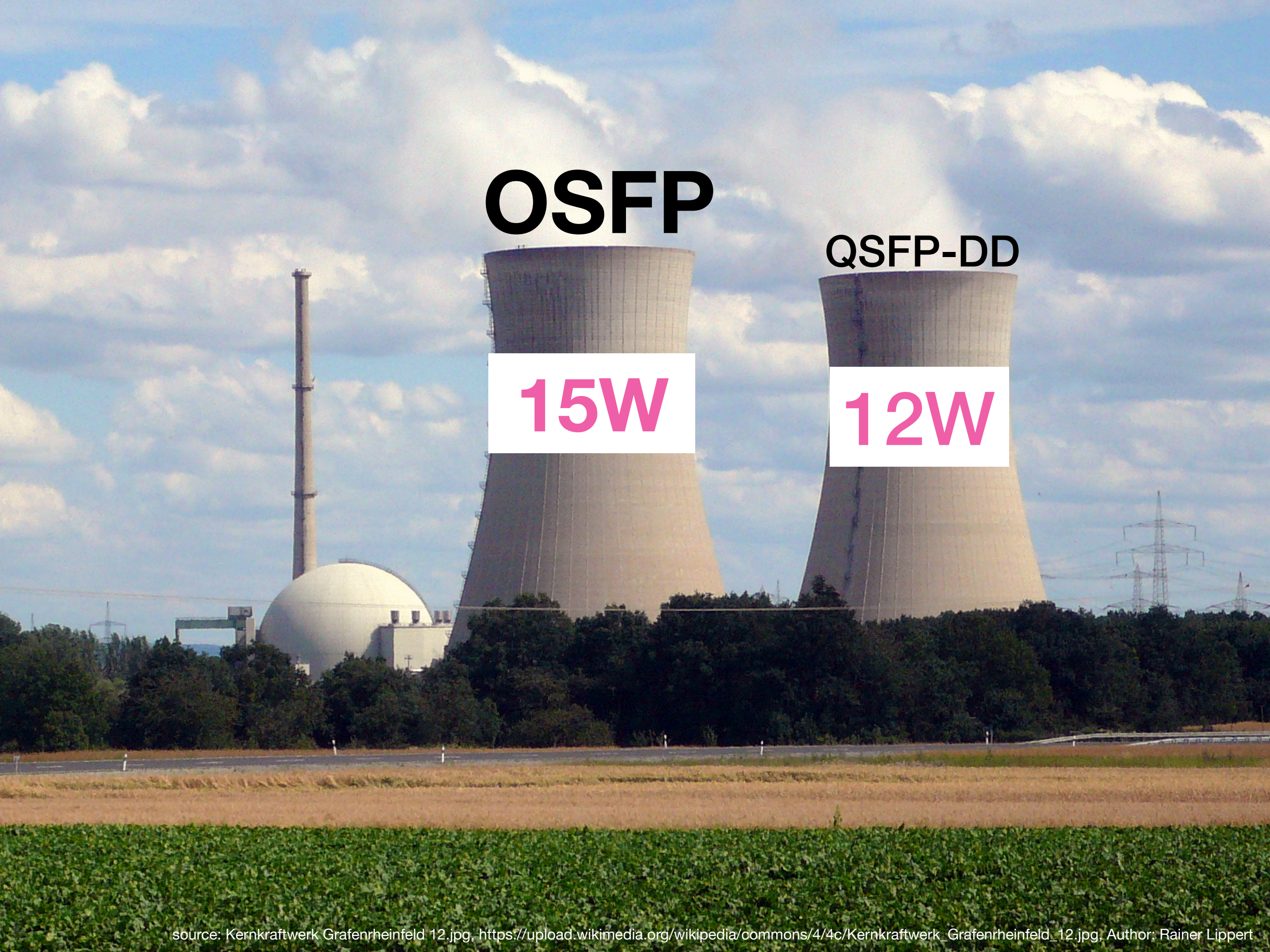


Figure 33: Optical Media Dependent Interface port assignments

A photograph of a nuclear power plant, specifically the Grafenrheinfeld plant. Two large, grey, hourglass-shaped cooling towers are the central focus. To the left of the towers is a white, dome-shaped containment building. A tall, thin smokestack stands behind the dome. The plant is surrounded by a dense line of green trees. In the foreground, there is a field of green crops. The sky is blue with scattered white clouds. Overlaid on the image are text labels for the cooling towers: 'OSFP' and '15W' for the left tower, and 'QSFP-DD' and '12W' for the right tower.

OSFP

15W

QSFP-DD

12W

THE FLEXBOX CREATORS

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1

revolutionary
development



53

flexperts

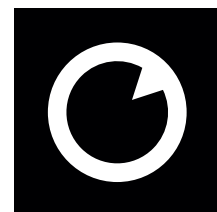


45732

transceiver
compatibilities



THANK YOU



FLEXOPTIX