7th MicroTCA Workshop for Industry & Research

5 – 6 Dec 2018 CFEL, DESY, Hamburg

Timing in MicroTCA





MicroTCA Timing: Agenda

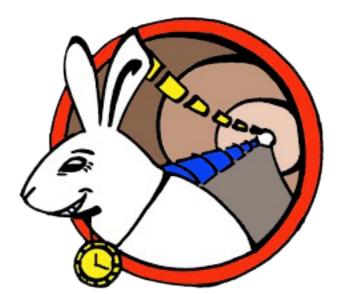
Start	Title	Prese
15:30	Introduction	Kay F
15:35	The MRF timing system	Jukka
16:03	White Rabbit timing system	Migue
16:31	The XFEL timing system	Kay F
16:59	End	





enter

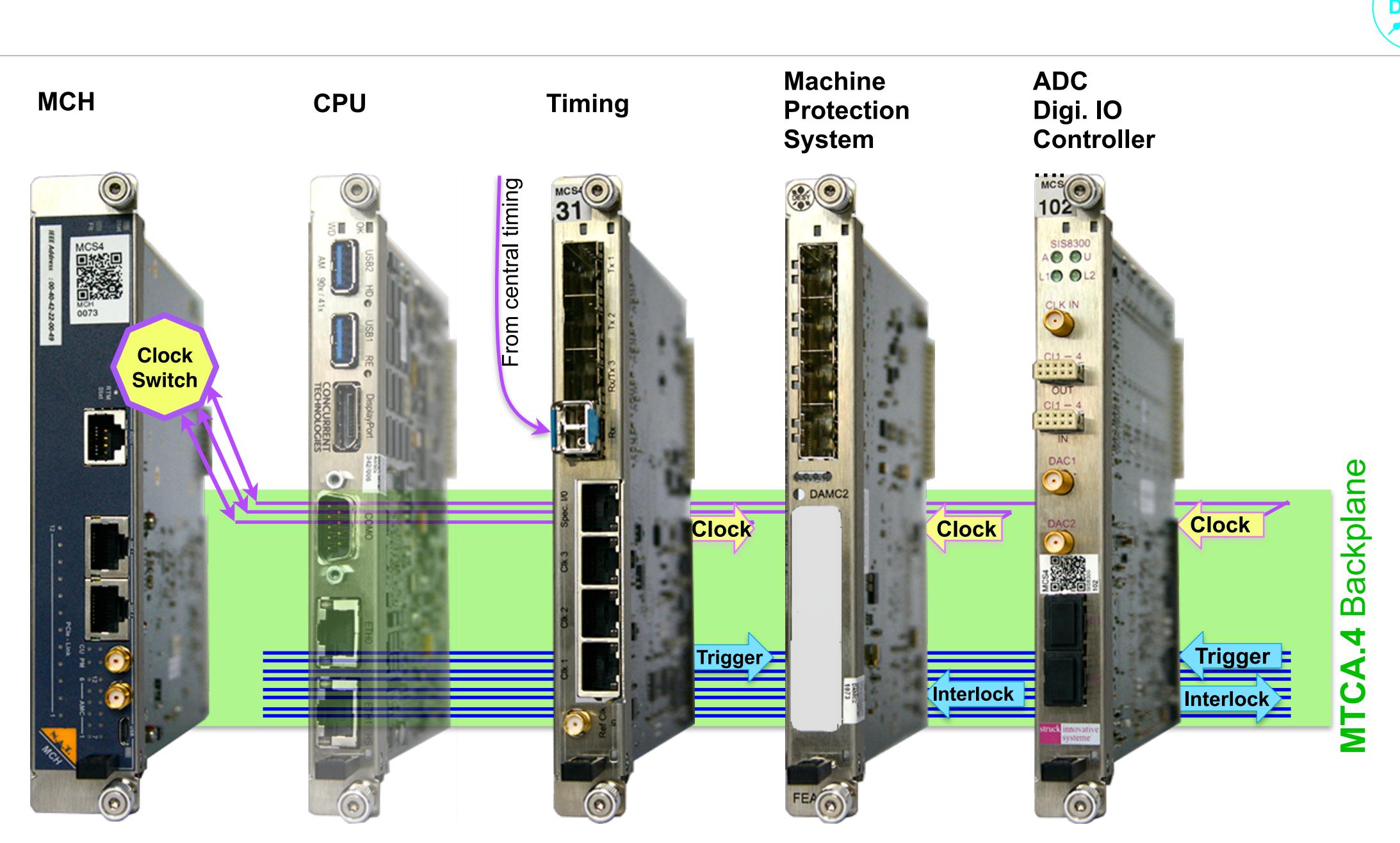
- Rehlich
- a Pietarinen
- el Méndez
- Rehlich







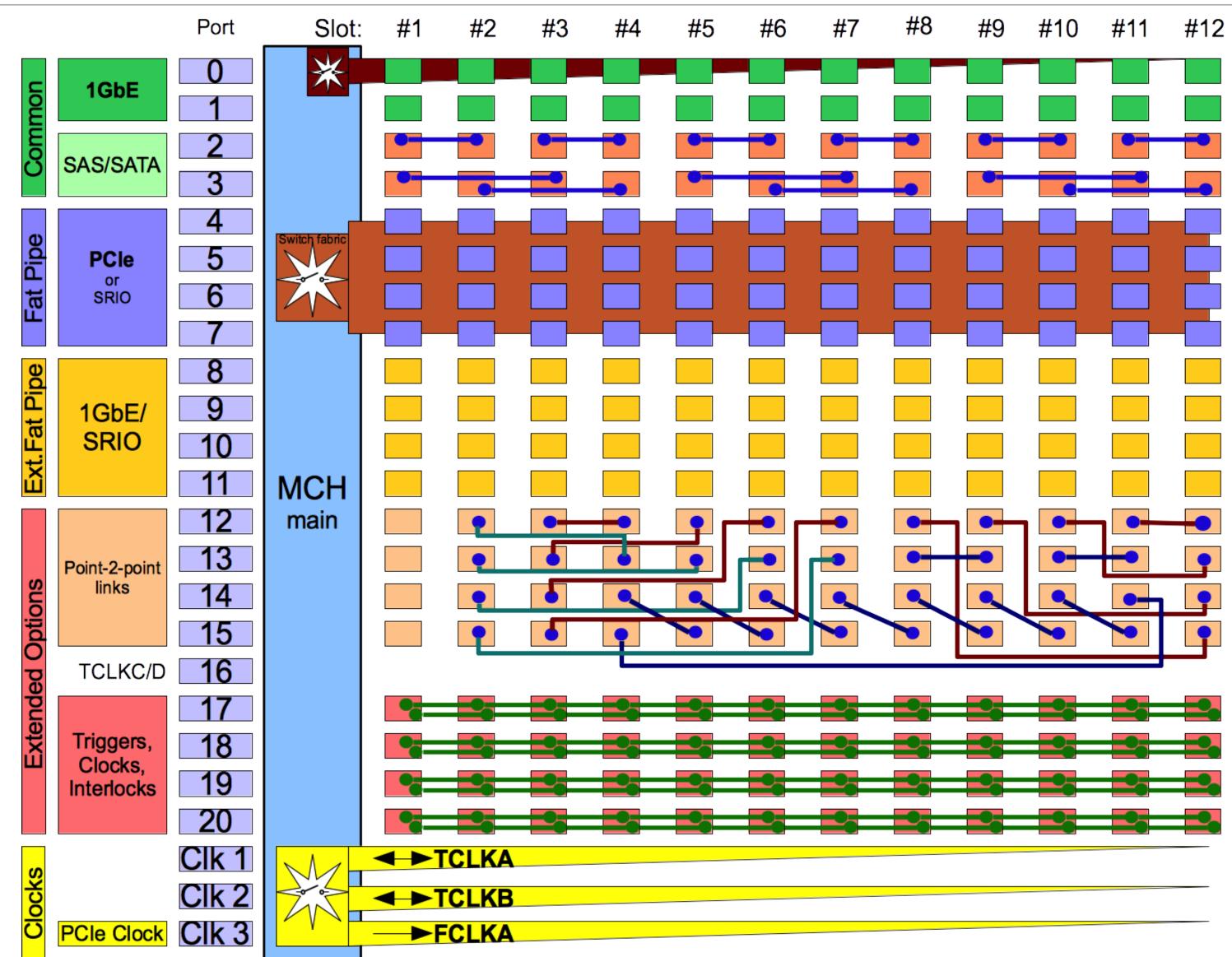








MicroTCA.4 Backplane

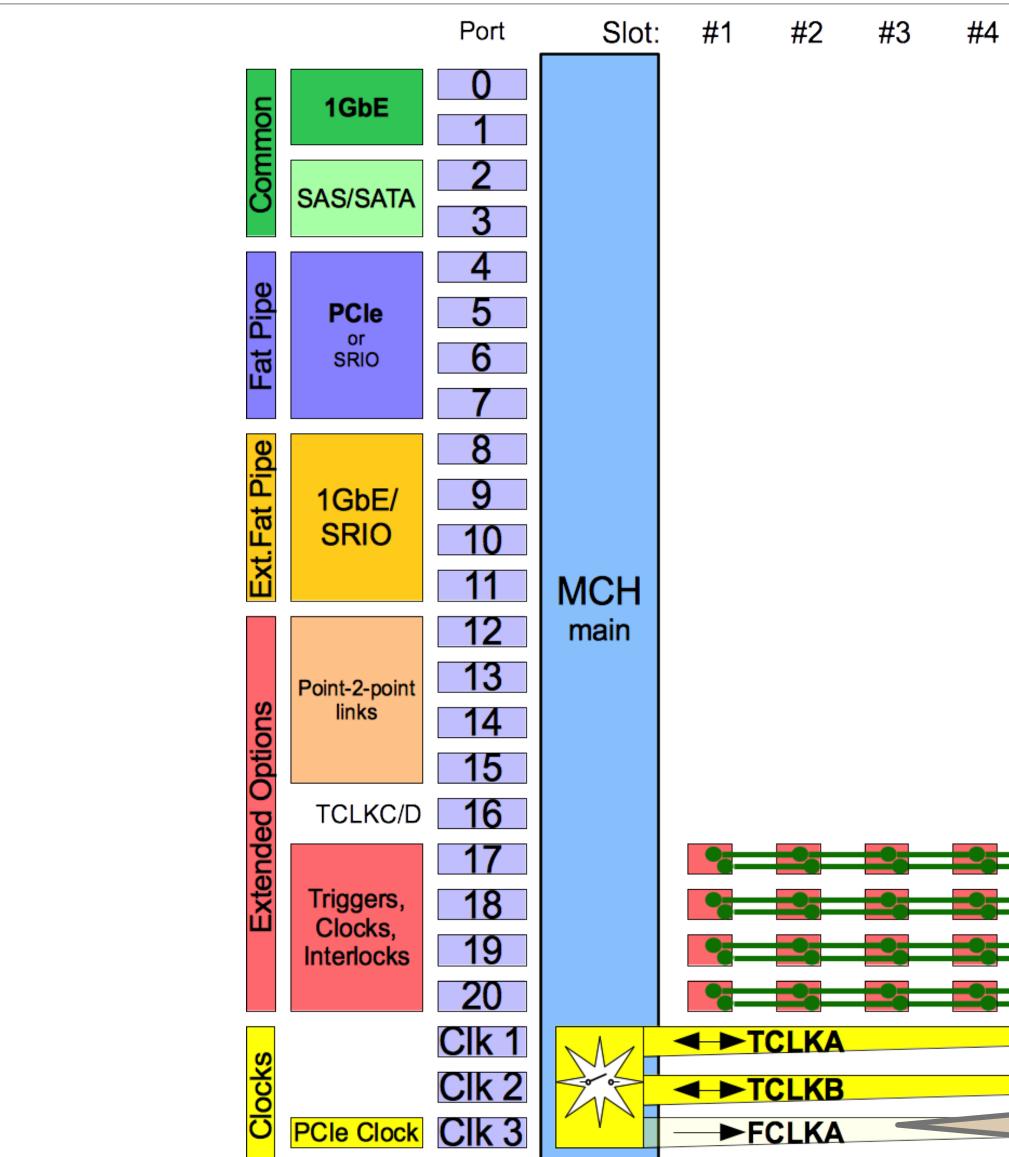






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MicroTCA.4 Timing Part of the Backplane







#8 #9 #7 #10 #11 #12 #5 #6

PCIe Clock

M-LVDS Bus: Trigger, Clock, Data, Interlock

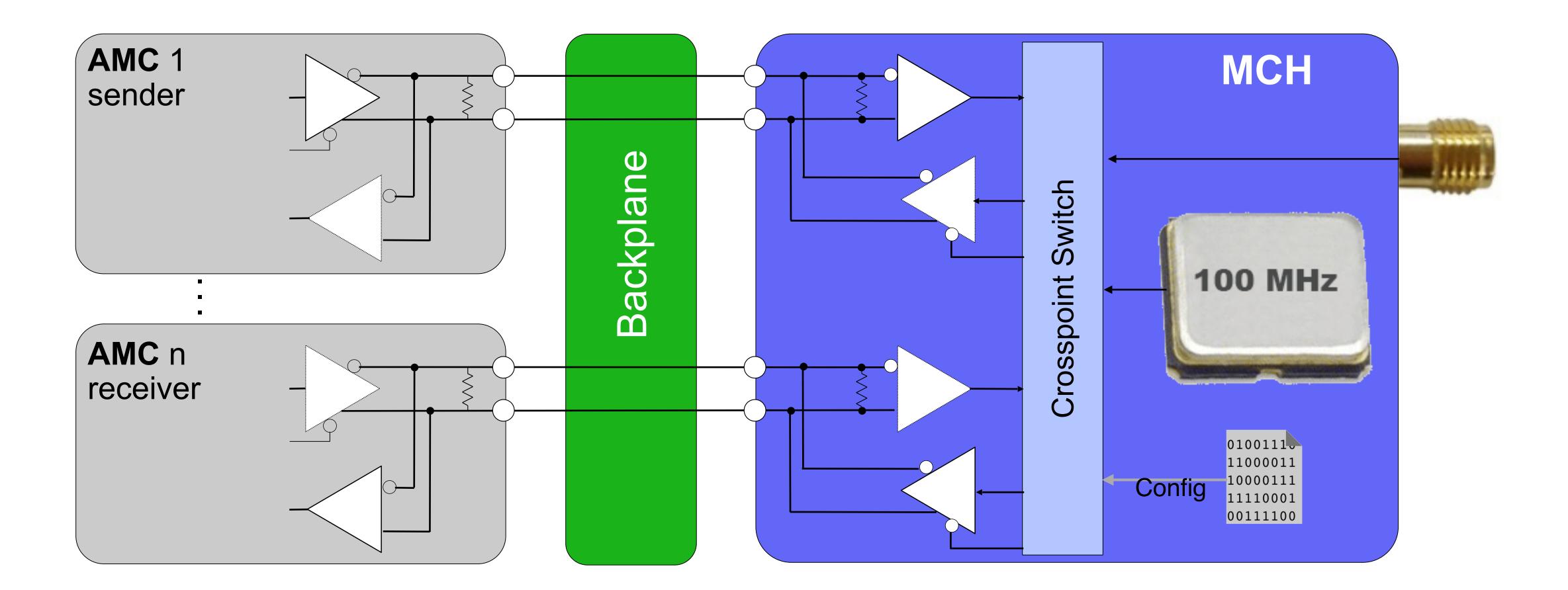
Point-2-Point: Precision Clocks







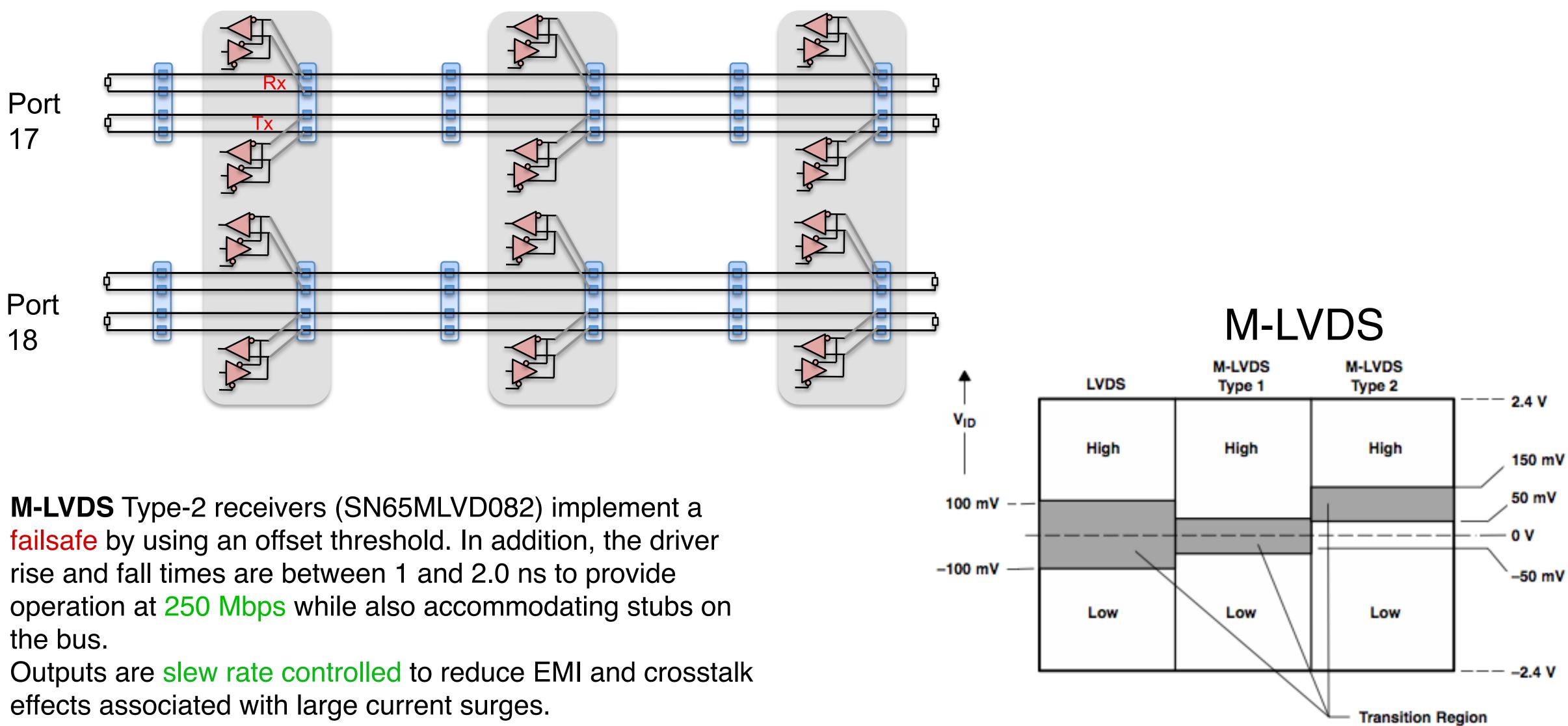
MicroTCA.4 Timing Distribution Point-to-Point







MicroTCA.4 Timing Distribution M-LVDS Bus



Kay Rehlich, DESY MCS4



LVDS and M-LVDS Differential Input Voltage Thresholds

