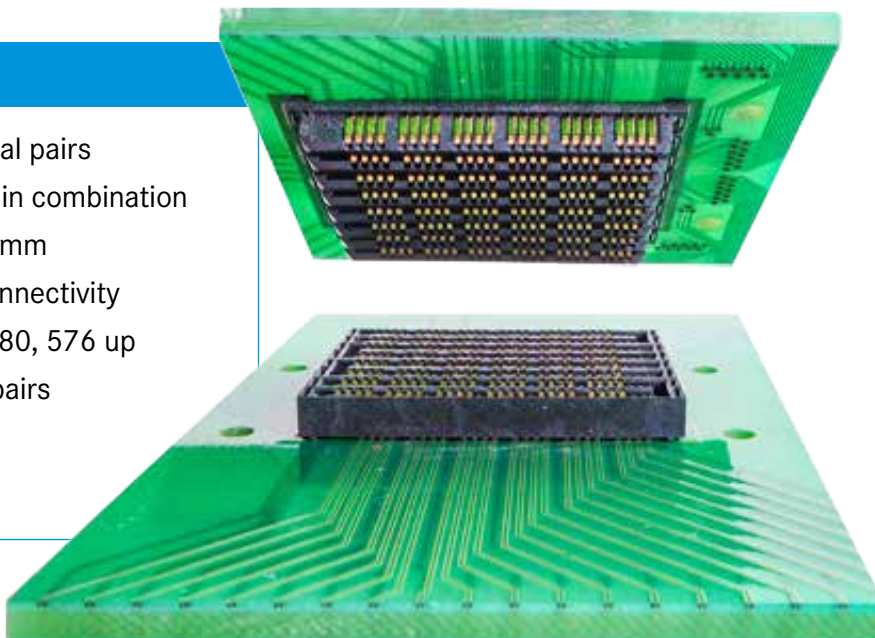


YTM – YAMAICHI HIGH-SPEED MEZZANINE 112/224G PAM4

The YTM High-Speed Mezzanine combines highest density with total modularity and 112/224G-PAM4 data rate. The modular concept allows the widest range of pin count and stacking height variations.

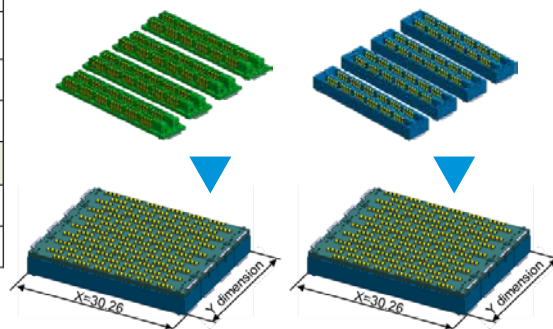
FEATURES:

- 112/224Gbps-PAM4 on all differential pairs
- Realize huge variety of stack heights in combination with interposer: 5, 8, 11, ... up to 40 mm
- Two contacting points for a better connectivity
- Various pin counts: 192, 288, 384, 480, 576 up to 960 pins * 1 blade = 96pins /24 pairs
- Differential signal pairs 48, 72, 96 up to 240 pairs (GSSG)

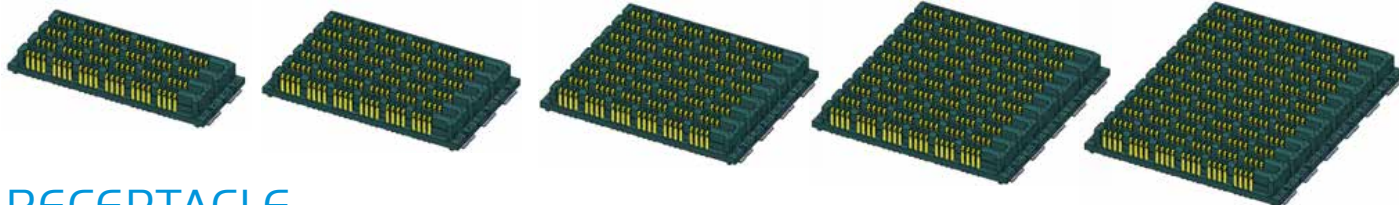


Concept of number of positions

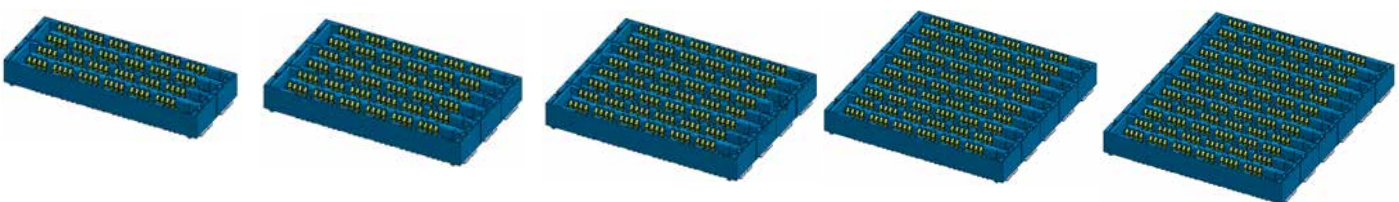
Condition	Total Contact	Rows	Size		
			X [mm]	Y [mm]	Area [mm ²]
Concept	192	2	30.26	12.00	351.10
Concept	288	3	30.26	18.00	526.70
Available	384	4	30.26	24.00	702.20
Concept	480	5	30.26	30.00	877.80
Concept	576	6	30.26	36.00	1053.40



PLUG



RECEPTACLE



2 Rows

3 Rows

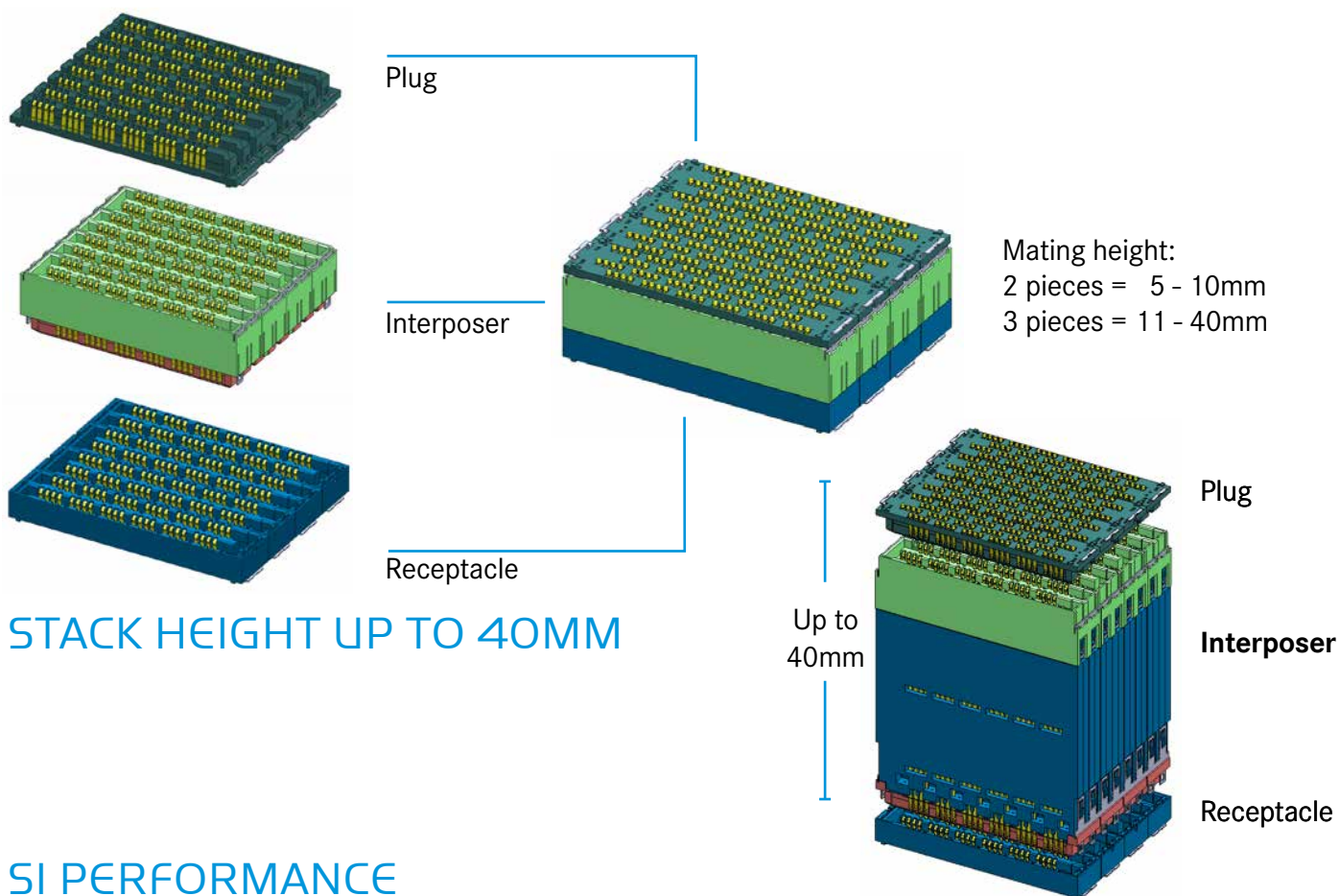
4 Rows

5 Rows

6 Rows

STACK HEIGHT VARIATIONS OF THREE PIECE TYPE

The use of the Interposer enables stack heights of 11mm or more

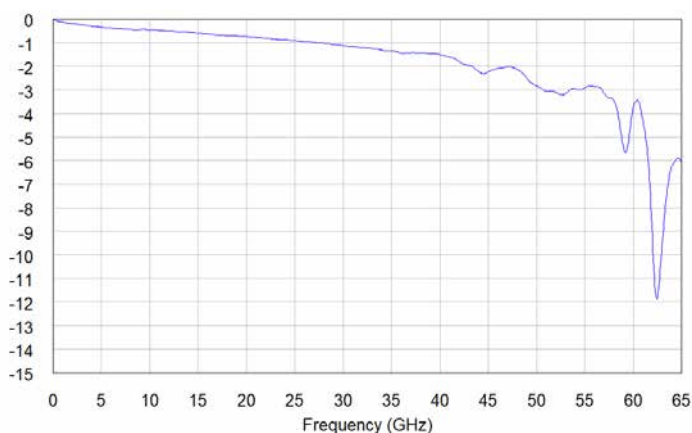


STACK HEIGHT UP TO 40MM

SI PERFORMANCE

	COM	ICN	MDFEXT	MDNEXT	ILD	ERL
802.3 ck SPEC	3.0dB MIN	3.9mV MAX	3.6mV MAX	1.35mV MAX	0.25dB MAX	10dB MIN
Pattern1	3.728	0.8450	0.3981	0.7453	0.0409	20.300
Pattern2	3.702	0.9166	0.4134	0.8181	0.0409	20.300

DE-EMBEDDED DIFFERENTIAL INSERTION LOSS



DE-EMBEDDED DIFFERENTIAL RETURN LOSS

