Xbox v1.6
128MB RAM Upgrade

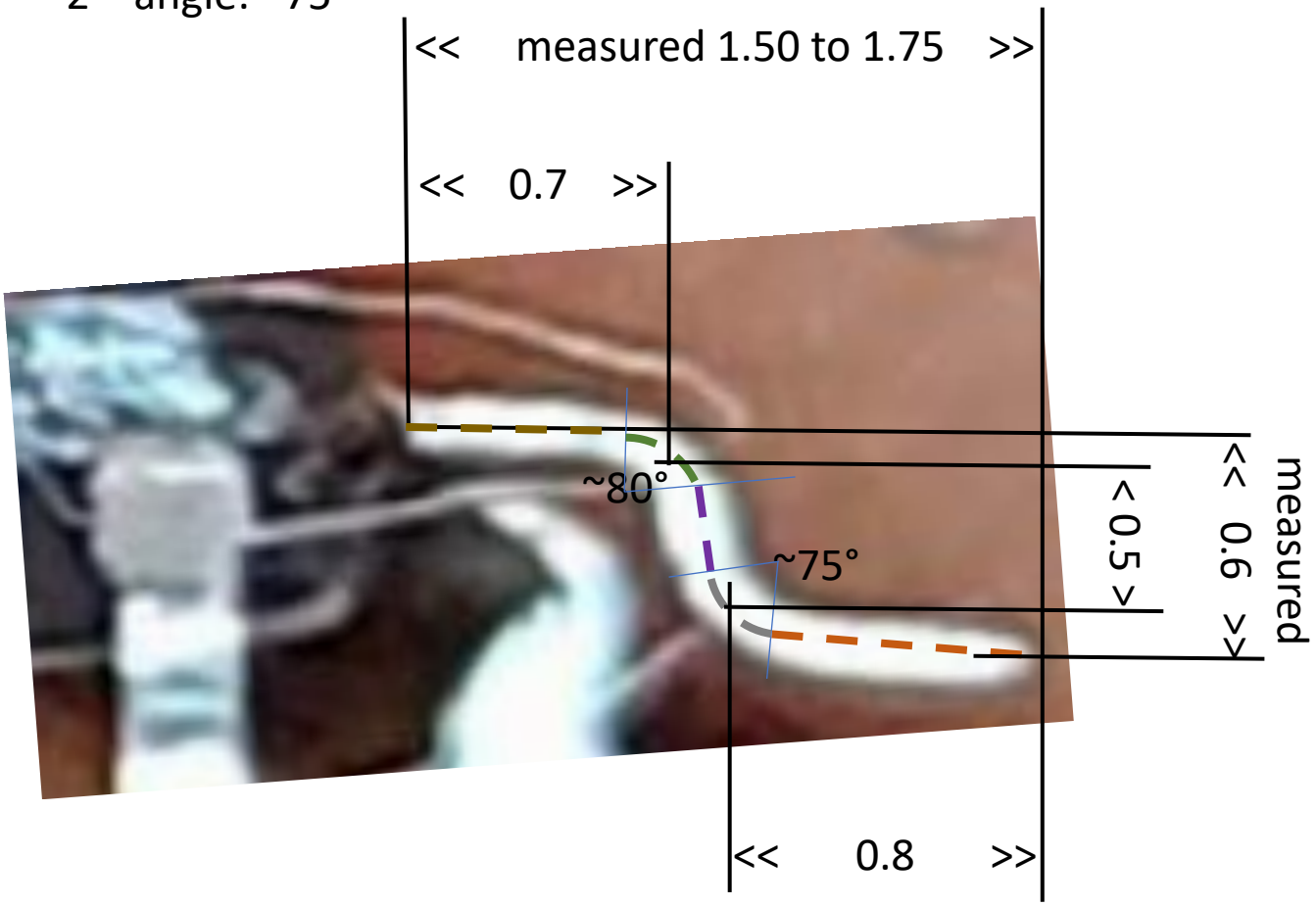
Pin Folding Tool Calculations

Approximate pin total length – Rough measurements

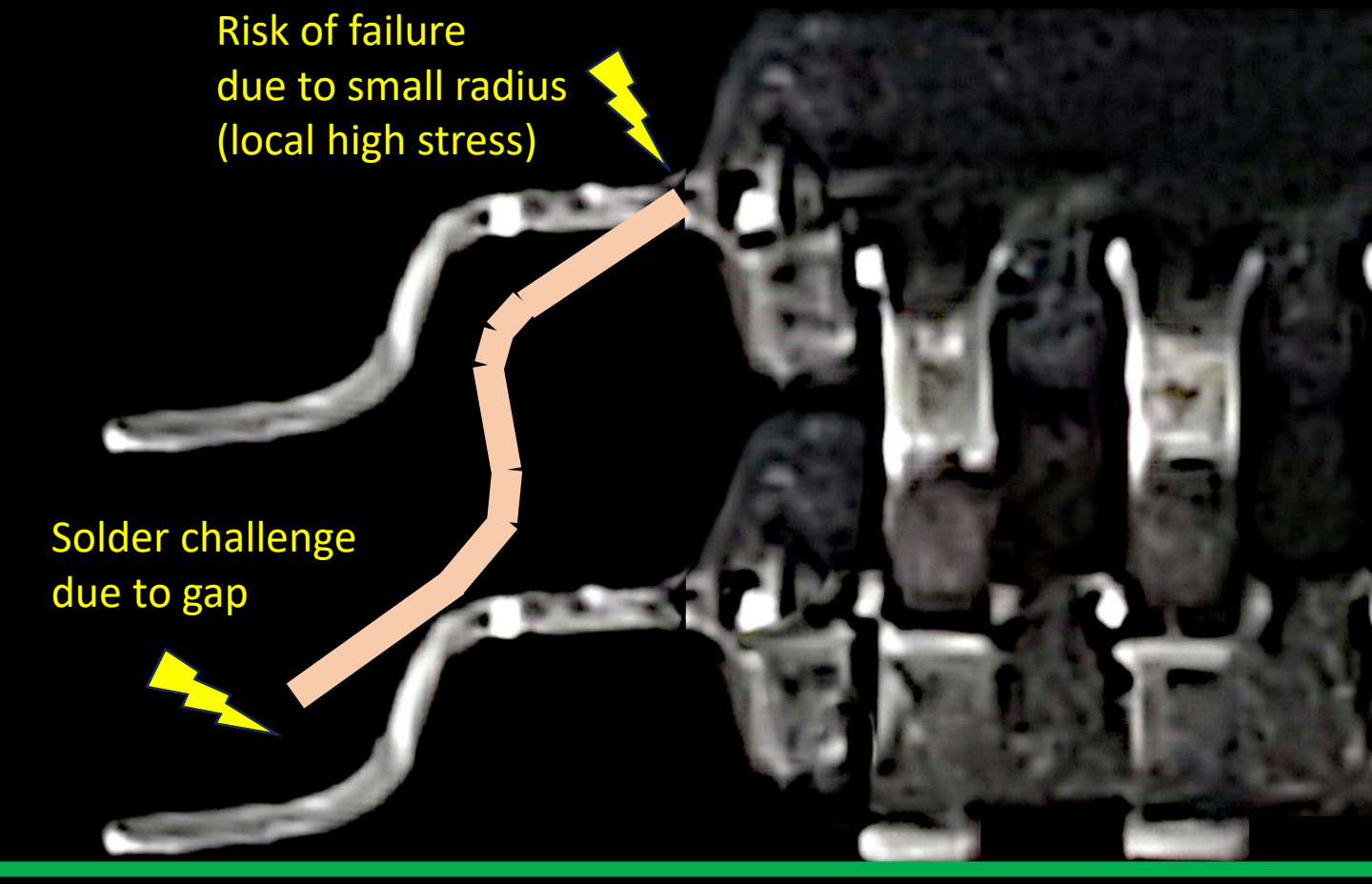
Total Pin Length = 0.7 + 0.5 + 0.8 = ~2.0 mm

1st angle: ~80°

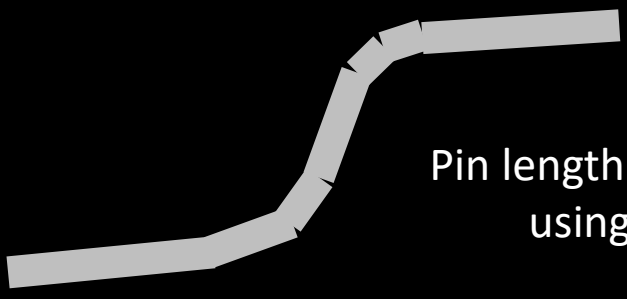
2nd angle: ~75 °



Bending Pins - Issues

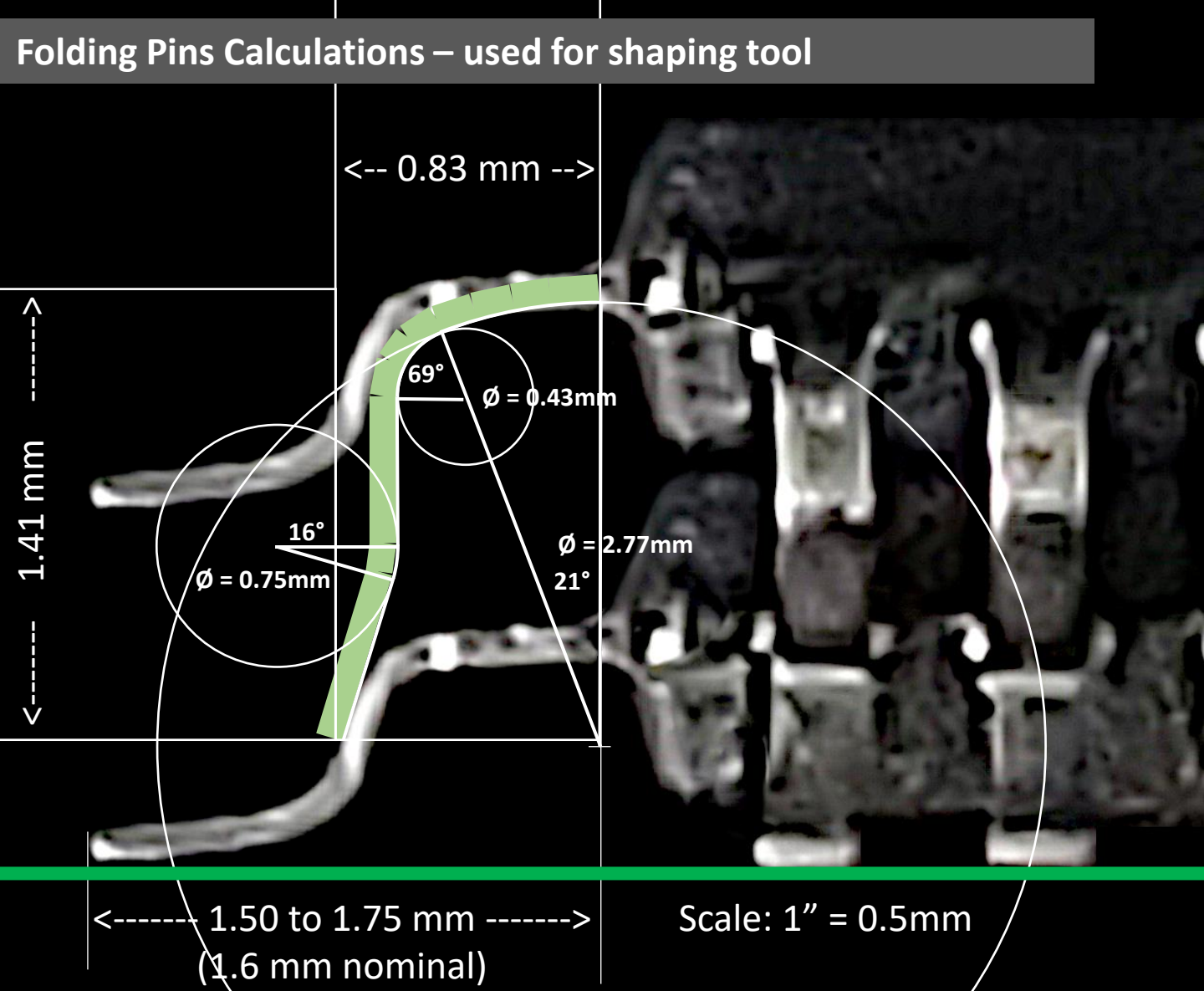


Scale: 1” = 0.5mm



Pin length calculated
using segments: 1.93 mm

Folding Pins Calculations – used for shaping tool



	ORIGINAL			FINAL BEND			NEW PIN PATH DESCRIPTION (IML, White Line)			
Segment	Height (mmx2)	Width (mmx2)	Length (mm)	Height (mmx2)	Width (mmx2)	Length (mm)	Diameter (mm)	Angle (deg)	Length (mm)	Comment
Tip										
1	0.11	1.07	0.54	1.03	0.32	0.54			0.54	<< Taken from segment
2	0.16	0.43	0.23	0.18	0.03	0.09	0.75	16.00	0.10	<<Calculated
3	0.23	0.17	0.14	0.93	0.01	0.47			0.47	<< Taken from segment
4	0.55	0.20	0.29	0.23	0.04	0.12	0.43	69.00	0.26	<<Calculated
5	0.13	0.14	0.10	0.15	0.11	0.09	2.77	21.00	0.51	<<Calculated
6	0.07	0.21	0.11	0.12	0.18	0.11				
7	0.07	1.03	0.52	0.08	0.23	0.12				
8				0.05	0.24	0.12				
9				0.04	0.23	0.12				
10				0.02	0.30	0.15				
Base										
		TOTAL	1.93		TOTAL	1.92		TOTAL	1.87	
				(should be same as original)			(should be shorter as it is the IML)			
							IML = Inside Mold Line			

Samsung 128M DDR SDRAM – P/N K4D263238F/M – Rev 1.1