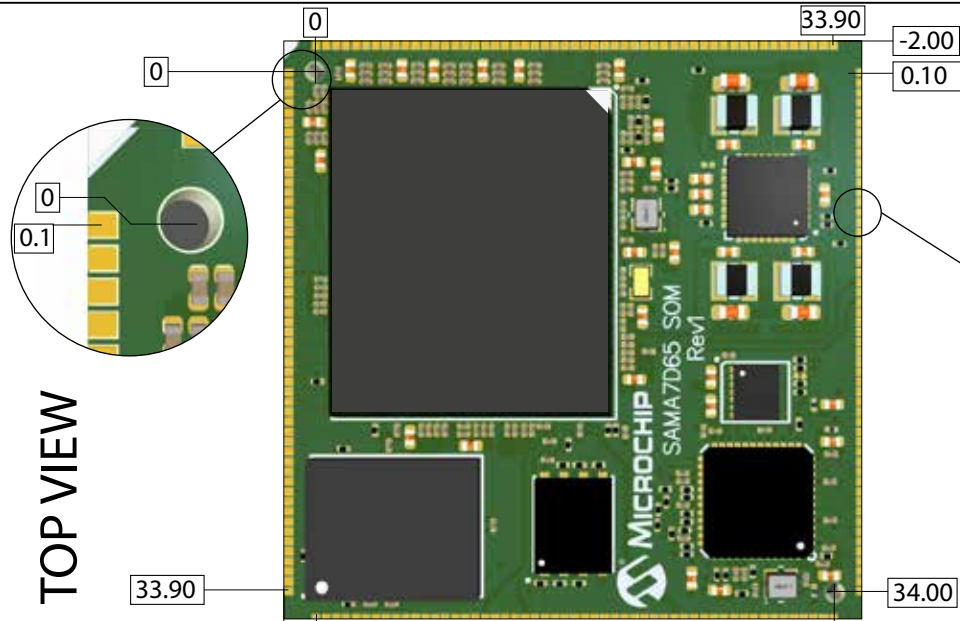
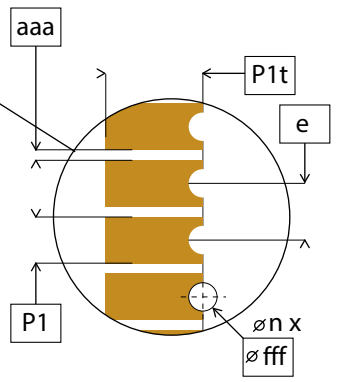
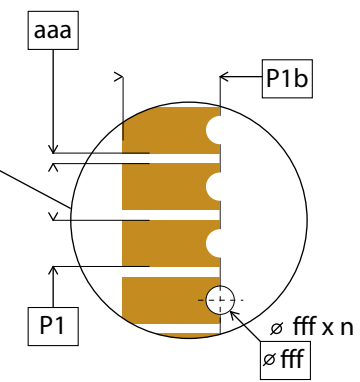
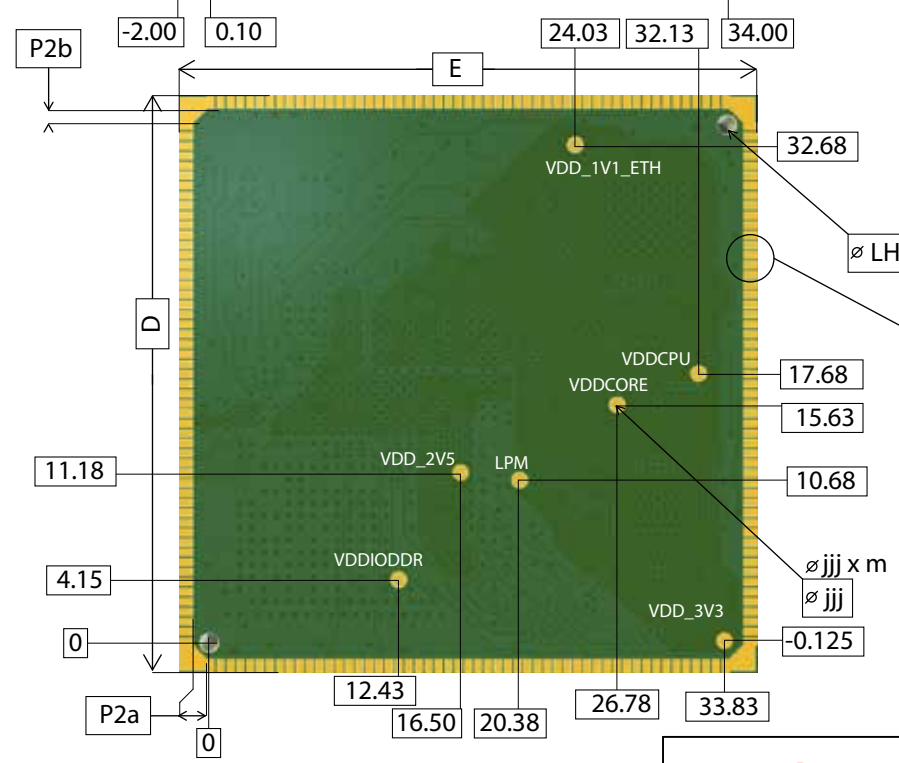




TOP VIEW

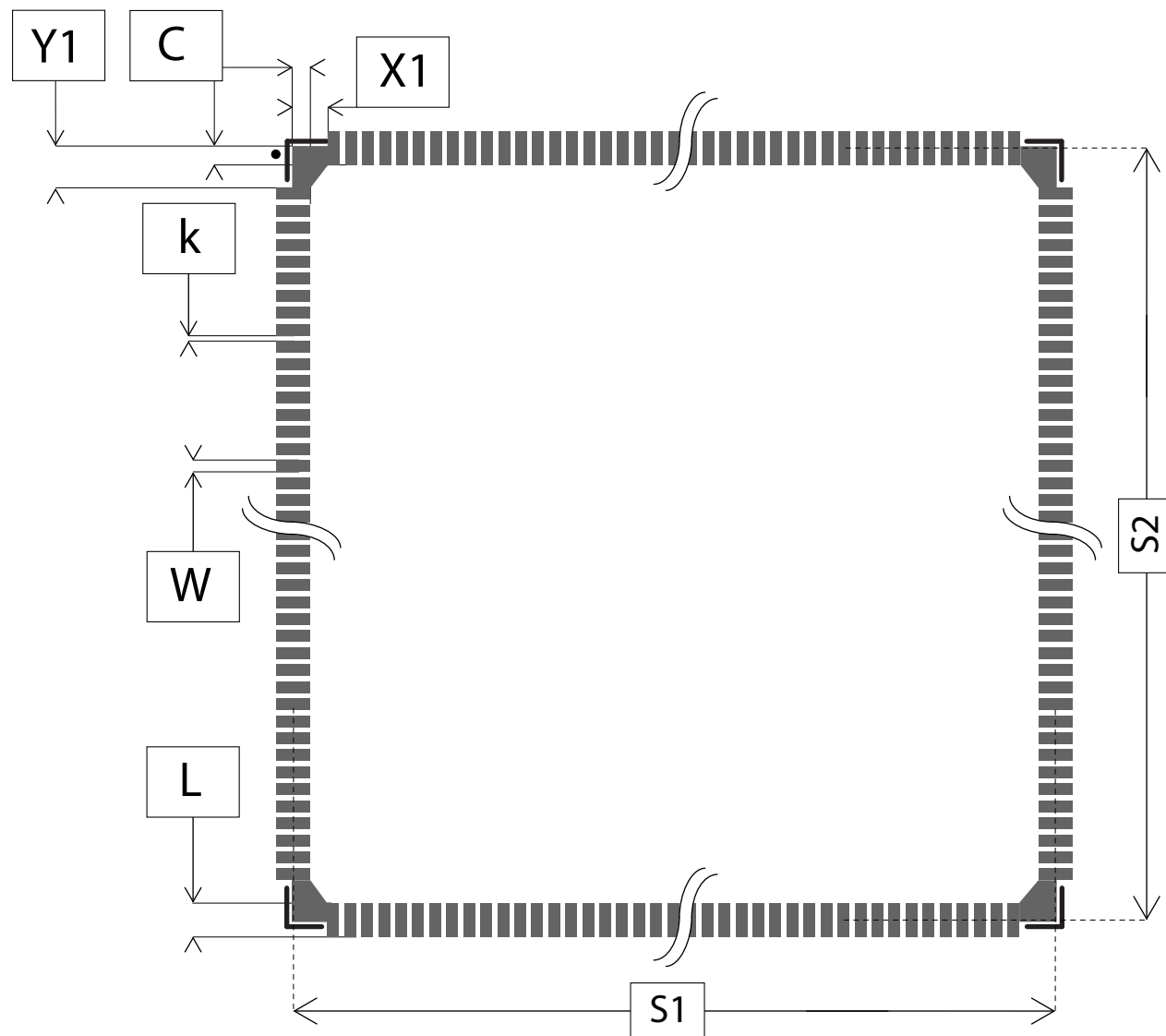


BOTTOM VIEW



	TITLE	SAMA7D65 SOM DIMENSIONS (in mm)			Drawn by : R C R
	Pads :	212		Drawing No.:	SAMA7D65 SOM POD
	Body :	38 x 38 x 2.8	mm	REV.:	A4
	Pads Pitch :	0.65	mm	Date:	02/19/2024
	Package Code :	5BW			

LAND PATTERN RECOMMENDATIONS



Inside <S1-S2> square keepout area
only the following elements are allowed:

- Ground vias
- Ground copper
- Power plans



TITLE	SAMA7D65 SOM DIMENSIONS (in mm)			Drawn by : R C R
Pads :	212		Drawing No.:	SAMA7D65 SOM POD
Body :	38 x 38 x 2.8	mm	REV.:	A4
Pads Pitch :	0.65	mm	Date:	02/19/2024
Package Code :	5BW			

		Symbol	Common Dimensions			Comments
			Min.	Typ.	Max.	
Package:		--	--	--	--	Castellated
Pad Count:		n	--	212	--	53 pads on each edge
Body Overall Dimensions	X	E	37.800	38.000	38.200	
	Y	D	37.800	38.000	38.200	
PCB Thickness:		S	1.440	1.600	1.760	
Top Thickness (Module & Components):		A1	2.640	2.800	2.960	
Pad Pitch:		e	--	0.650	--	
Pad Length: (Top Side)		P1t	--	0.550	--	
Pad Length: (Bottom Side)		P1b	--	0.900	--	
Pad Width:		P1	--	0.450	--	
Pad Gap:		aaa	--	0.200	--	
Opening Drilling Diameter:		fff	--	0.300	--	
Pad Edge to Module Edge:	X	P2a	--	0.925	--	
	Y	P2b	--	0.925	--	
Land Pattern Pad Width:		W	--	0.450	--	
Land Pattern Pad Length:		L	--	1.200	--	
Land Pattern Center Pad to Center Pad	X	S1	--	37.400	--	
	Y	S2	--	37.400	--	
Land Pattern Pad Gap:		k	--	0.200	--	
Locating Hole Diameter:		LHd	1.150	1.200	1.250	
Test Point Count:		m	--	7	--	
Test Point Diameter:		jjj	--	1.000	--	
Corner Pads position		C	--	0.750	--	
		X1	--	1.675	--	
		Y1	--	1.675	--	

 MICROCHIP	TITLE		SAMA7D65 SOM DIMENSIONS (in mm)		Drawn by : R C R
	Pads :		212		Drawing No.:
	Body :		38 x 38 x 2.8	mm	REV.:
	Pads Pitch :		0.65	mm	Date:
	Package Code :		5BW		
					A4
					02/19/2024