							TECHNICAL S	SPECIFICATION					
Board Name CM4_SATAX4_Subst				AX4 Substrate V1.1				Thicknes	Thickness Tolerance		± 10%		
								Bow and	Bow and Twist Tolerance		≤ 0.75%		
Board Material			FR-4, Tg=150 € RoHS-Leadfree Soldering					Silkser	Silkscreen non-conductive epoxy ink				
		✓	ENIG			Fla	h Gold	Silkson	Silkscreen Color		White		
PCB Finishes			OSP			Immersion		So I dmasi	Soldmask Require		Green		
			Gold Fingers (+HA		HASI	HASL		Inspection Standard		IPC-6012			
Dimension			PCI-CHAMFER						Tolerances without Indication			GB/T1804-f	
			V-CUT										
Board Size(mm)		✓	100%100					Drill No	irili Note Hole sizes are after plating				
Patchwork Board(mm)													
Impedance control		/						+					
Finished Copper			According to	the I	Layers Stack-	up		ļ.					
hickness		Ď	All via under BGA										
Via		Ž		31 X X X X X X X X X X X X X X X X X X X									
Press-fit Hole													
Tolerance													
	3.						LAVE						
				Lyr no.	Lyr Name	Thickne (mils)	ss Cu.wt	RS STACK-UP	fferential M	odel	Single line width(mil)	Ended Model	
	7/// 600			Lyr no.	TOP	(mils)	ss Cu.wt	Di	mil) impedi	odel mce/tel(shm-/-10%) 100	Single line width(mil)	Ended Model impedance/tel(ohm-/-10%) 50	
	////ARE				TOP 1080 L2_GND	1.4 2.7 1.2	ss Cu.wt (oz) 0.5-planted	Di	mil) impedi	once/tol(ohm+/-10%)	line width(mil)	impedance/tol(ohm-/-10%)	
	***********	OREXX		1	TOP 1080 L2_GND CORE	(mils) 1.4 2.7 1.2 ADJUST B	SS Cu.wt (oz) 0.5-planted 1	Di	mil) impedi	once/tol(ohm+/-10%)	line width(mil)	impedance/tol(ohm-/-10%)	
	/////PRE	PREG/		2	TOP 1080 L2_GND	1.4 2.7 1.2	ss Cu.wt (oz) 0.5-planted	Diline width/specing	mil) impedi	ance/fol(ahm-/-10%) 100	line width(mil)	impedance/tol(ohm-/-10%)	
	***********	PREG/		2	TOP 1080 L2_GND CORE L3_VCC	(mils) 1.4 2.7 1.2 ADJUST B 1.2 2.7	ss Cu.wt (oz) 0.5+planted 1 Y VENDOR	Diline width/specing	mil) impedi	ance/fol(ahm-/-10%) 100	line width(mil) 4	impedance/tol(ohm-/-10%) 50	
	/////PRE	PREG/		2	TOP 1080 L2_GND CORE L3_VCC	(mils) 1.4 2.7 1.2 ADJUST B 1.2 2.7	ss Cu.wt (oz) 0.5+planted 1 Y VENDOR	Diline width/specing	mil) impedi	ance/fol(ahm-/-10%) 100	line width(mil) 4	impedance/tol(ohm-/-10%) 50	
	/////PRE	PREG/		2	TOP 1080 L2_GND CORE L3_VCC	(mils) 1.4 2.7 1.2 ADJUST B 1.2 2.7	ss Cu.wt (oz) 0.5+planted 1 Y VENDOR	Diline width/specing	mil) impedi	ance/fol(ahm-/-10%) 100	line width(mil) 4	impedance/tol(ohm-/-10%) 50	
	/////PRE	PREG/		2	TOP 1080 L2_GND CORE L3_VCC	(mils) 1.4 2.7 1.2 ADJUST B 1.2 2.7	ss Cu.wt (oz) 0.5+planted 1 Y VENDOR	Diline width/specing	mil) impedi	ance/fol(ahm-/-10%) 100	line width(mil) 4	impedance/tol(ohm-/-10%) 50	
	/////PRE	PREG/		2	TOP 1080 L2_GND CORE L3_VCC	(mils) 1.4 2.7 1.2 ADJUST B 1.2 2.7	ss Cu.wt (oz) 0.5+planted 1 Y VENDOR	Diline width/specing	mil) impedi	ance/fol(ahm-/-10%) 100	line width(mil) 4	impedance/tol(ohm-/-10%) 50	
	/////PRE	PREG/		2	TOP 1080 L2_GND CORE L3_VCC	(mils) 1.4 2.7 1.2 ADJUST B 1.2 2.7	ss Cu.wt (oz) 0.5+planted 1 Y VENDOR	Diline width/specing	mil) impedi	ance/fol(ahm-/-10%) 100	line width(mil) 4	impedance/tol(ohm-/-10%) 50	
	/////PRE	PREG/		2	TOP 1080 L2_GND CORE L3_VCC	(mils) 1.4 2.7 1.2 ADJUST B 1.2 2.7	ss Cu.wt (oz) 0.5+planted 1 Y VENDOR	Diline width/specing	mil) impedi	ance/fol(ahm-/-10%) 100	line width(mil) 4	impedance/tol(ohm-/-10%) 50	
	/////PRE	PREG/		2	TOP 1080 L2_GND CORE L3_VCC	(mils) 1.4 2.7 1.2 ADJUST B 1.2 2.7	ss Cu.wt (oz) 0.5+planted 1 Y VENDOR	Diline width/specing	mil) impedi	ance/fol(ahm-/-10%) 100	line width(mil) 4	impedance/tol(ohm-/-10%) 50	
	/////PRE	PREG/		2	TOP 1080 L2_GND CORE L3_VCC	(mils) 1.4 2.7 1.2 ADJUST B 1.2 2.7	ss Cu.wt (oz) 0.5+planted 1 Y VENDOR	Diline width/specing	mil) impedi	ance/fol(ahm-/-10%) 100	line width(mil) 4	impedance/tol(ohm-/-10%) 50	
	/////PRE	PREG/		2	TOP 1080 L2_GND CORE L3_VCC	(mils) 1.4 2.7 1.2 ADJUST B 1.2 2.7	ss Cu.wt (oz) 0.5+planted 1 Y VENDOR	Diline width/specing	mil) impedi	ance/fol(ahm-/-10%) 100	line width(mil) 4	impedance/tol(ohm-/-10%) 50	
	/////PRE	PREG/		2	TOP 1080 L2_GND CORE L3_VCC	(mils) 1.4 2.7 1.2 ADJUST B 1.2 2.7	ss Cu.wt (oz) 0.5+planted 1 Y VENDOR	Diline width/specing	mil) impedi	ance/fol(ahm-/-10%) 100	line width(mil) 4	impedance/tol(ohm-/-10%) 50	

