

ロードマップ

RoadMap

MSAP RoadMap

Road map (4L product)			2024	2025	2026	2027
Tenting	Pattern	Pitch & L/S	55、25/30 μ m	←	←	50、20/30 μ m
	Bond Finger	Pitch & W/S	90、60/30 μ m	←	←	←
	Drill Hole	Pitch & Hole/Land	270、100/230 μ m	245、75/205	←	←
	Laser Via	Pitch & Via/Land	120、45/80 μ m	95、20/55	←	←
MSAP	Pattern	Pitch & L/S	40、20/20 μ m	←	←	30、15/15
	Bond Finger	Pitch & W/S	60、40/20 μ m	←	←	30、20/10
	Drill Hole	Pitch & Hole/Land	260、100/230 μ m	230、75/200	←	220、75/195
	Laser Via	Pitch & Via/Land	110、45/80 μ m	80、20/50	←	65、20/40
Core Thickness			30 μ m	←	←	←
Prepreg Thickness			17 μ m	13	←	10
Copper Thickness			10 μ m	7	←	5
Coreless	Availability		○	○	○	○
Solder Resist	Thickness		12 μ m	←	←	←
	Flatness		5 μ m	←	←	←
	SR Registration		12.5 μ m	10	←	←
	SRO Tolerance		10 μ m	←	←	←
	Process		Ink、DFSR	Ink、DFSR	Ink、DFSR	Ink、DFSR
Surface Treatment			Soft Au OSP (F2LX(PK))	Soft Au OSP (F2LX(PK))	←	←
Front and back misalignment			35 μ m	30	←	←

SAP RoadMap

		FY2024		FY2025		FY2026		FY2027		
		HVM	Proto Type	HVM	Proto Type	HVM	Proto Type	HVM	Proto Type	
Max Build-up Layer Count		5	7	9	9+	9+	9+	9+	9+	
Max Via Stack		4	4+	4+	4+	4+	4+	4+	4+	
Trace	BU L/S (SAP)	9/12	8/8	8/8	7/7	7/7	6/6	6/6	5/5	
	BU Trace Thickness	13	12	←	10	10	8	8	6	
	Core L/S (Subtractive)	50/50	45/45	45/45	←	←	40/40	←	40/40	
Via/Land	BU	Via	ϕ 60	ϕ 50	ϕ 50	←	ϕ 45	←	ϕ 40	
		Land	ϕ 90	ϕ 80	ϕ 80	ϕ 75	ϕ 75	ϕ 70	ϕ 70	
PTH/Land	Core Thickness	0.4 mm	ϕ 105/ ϕ 200	←	←	←	←	←	ϕ 105/ ϕ 200	
		0.8 mm	ϕ 125/ ϕ 225	ϕ 105/ ϕ 200	ϕ 105/ ϕ 200	←	←	←	ϕ 105/ ϕ 200	
		1.2 mm	ϕ 150/ ϕ 250	←	←	←	←	←	ϕ 150/ ϕ 250	
		1.4 mm	ϕ 200/ ϕ 300	←	←	←	←	←	ϕ 200/ ϕ 300	
SR	Opening (μ m)		ϕ 70	ϕ 65	ϕ 65	ϕ 60	ϕ 60	ϕ 55	←	ϕ 50
	Cu Pad (μ m)		ϕ 95	ϕ 90	ϕ 90	ϕ 85	ϕ 85	ϕ 80	←	ϕ 75
SOP	Min Bump Pitch (μ m)		130	120	120	110	110	100	←	90
Material	Core		E-700G(R) E-705G	E-795G R-1515V	E-700G(R) E-705G E-795G R-1515V	TBD	E-700G(R) E-705G E-795G R-1515V	TBD	E-700G(R) E-705G E-795G R-1515V	TBD
	BU (ABF)		GX-92 GX-T31 GL102F	GZ41 GL107	GX-92 GX-T31 GL102F GZ41 GL108	TBD	GX-92 GX-T31 GL102F GZ41 GL108	TBD	GX-92 GX-T31 GL102F GZ41 GL108	TBD
	SR	Liquid	SR7300G SR7400A	TBD	SR7300G SR7400A	TBD	SR7300G SR7400A	TBD	SR7300G SR7400A	TBD
Film		—	SR-FK SR1	SR-FK SR1	TBD	SR-FK SR1	TBD	SR-FK SR1	TBD	