

(株)宮城メイコー 石巻工場 技術ロードマップ

プリプレグベーステクノロジー (MSAP・サブトラ工法)

項目		FY2025		FY2026		FY2027	
		HVM	Proto Type	HVM	Proto Type	HVM	Proto Type
L/S	Subtractive	40/50	35/40	35/40	35/35	35/35	30/30
	MSAP	30/30	25/25	25/25	20/20	25/25	20/20
Thickness (Core)		60	50	60	50	60	50
Thickness (Prepreg)		30 (#1027)	25 (#1017)	25 (#1017)	20 (#1010)	25 (#1017)	20 (#1010)
LVH/Land Dia. (Laser)		Φ75/Φ150 (PP<40)	Φ60/Φ125 (PP<30)	Φ75/Φ150 (PP<40)	Φ50/Φ110 (PP<30)	Φ60/Φ125 (PP<30)	Φ50/Φ110 (PP<30)
BVH/Land Dia. (Drill)		Φ150/Φ250	Φ125/Φ225	Φ125/Φ225	Φ105/Φ200	Φ125/Φ225	Φ150/Φ250
TH/Land Dia. (Drill)		Φ200/Φ450	Φ200/Φ400 (APR<6.4)	Φ200/Φ450	Φ200/Φ400 (APR<6.4)	Φ200/Φ450	Φ200/Φ400 (APR<6.4)
Layer		2~12L (MLB, HDI, AnyLayer)	14L (MLB, HDI)	2~12L (MLB, HDI, AnyLayer)	14L (MLB, HDI)	2~12L (MLB, HDI, AnyLayer)	14L (MLB, HDI)
Surface Treatment (OutSource)		OSP、電解Ni/Au、無電解Ni/厚付けAu、無電解Ni/Pd/Au					

ABFベーステクノロジー (SAP工法)

項目		FY2025		FY2026		FY2027		
		HVM	Proto Type	HVM	Proto Type	HVM	Proto Type	
Max Build-up Layer Count		9	10	10	12	12	12	
Max Via Stack		6	10	10	12	12	12	
Trace	BU L/S (SAP)	8/8	7/7	7/7	6/6	6/6	5/5	
	BU Trace Thickness	12	10	10	8	8	6	
	Core L/S (Subtractive)	45/45	45/45	45/45	40/40	40/40	35/35	
Via/Land	BU	Via	Φ50	Φ50	Φ50	Φ45	Φ40	
		Land	Φ80	Φ75	Φ75	Φ70	Φ70	
TH/Land Dia. (Drill)	Core Thickness	0.4mm	Φ105/Φ200	Φ105/Φ200	Φ105/Φ200	Φ105/Φ200	Φ105/Φ200	
		0.8mm	Φ105/Φ200	Φ105/Φ200	Φ105/Φ200	Φ105/Φ200	Φ105/Φ200	
		1.2mm	Φ150/Φ250	Φ150/Φ250	Φ150/Φ250	Φ150/Φ250	Φ150/Φ250	
		1.4mm	Φ200/300	Φ200/300	Φ200/300	Φ200/300	Φ200/300	
SR	Opening (μm)		Φ65	Φ60	Φ60	Φ55	Φ50	
	Cu Pad (μm)		Φ90	Φ85	Φ85	Φ80	Φ75	
SOP	Min Bump Pitch (μm)		120	110	110	100	90	
Material	Core		E-700G (R) E705G E-795G R-1515V	HUL832RS (LCA) HIL832NSA (TLC)	E-700G (R) E705G E-795G R-1515V HUL832RS (LCA) HIL832NSA (TLC)	TBD	E-700G (R) E705G E-795G R-1515V HUL832RS (LCA) HIL832NSA (TLC)	TBD
	BU Film		GX92 GXT31 GL102F	GL107-2N NX04H NQ07XP	GX92 GXT31 GL102F GL107-2N NX04H NQ07XP	TBD	GX92 GXT31 GL102F GL107-2N NX04H NQ07XP	TBD
	SR	Liquid	SR7300G SR7400A	TBD	SR7300G SR7400A	TBD	SR7300G SR7400A	TBD
		Film	-	SR-FK SR1	SR-FK SR1	TBD	SR-FK SR1	TBD