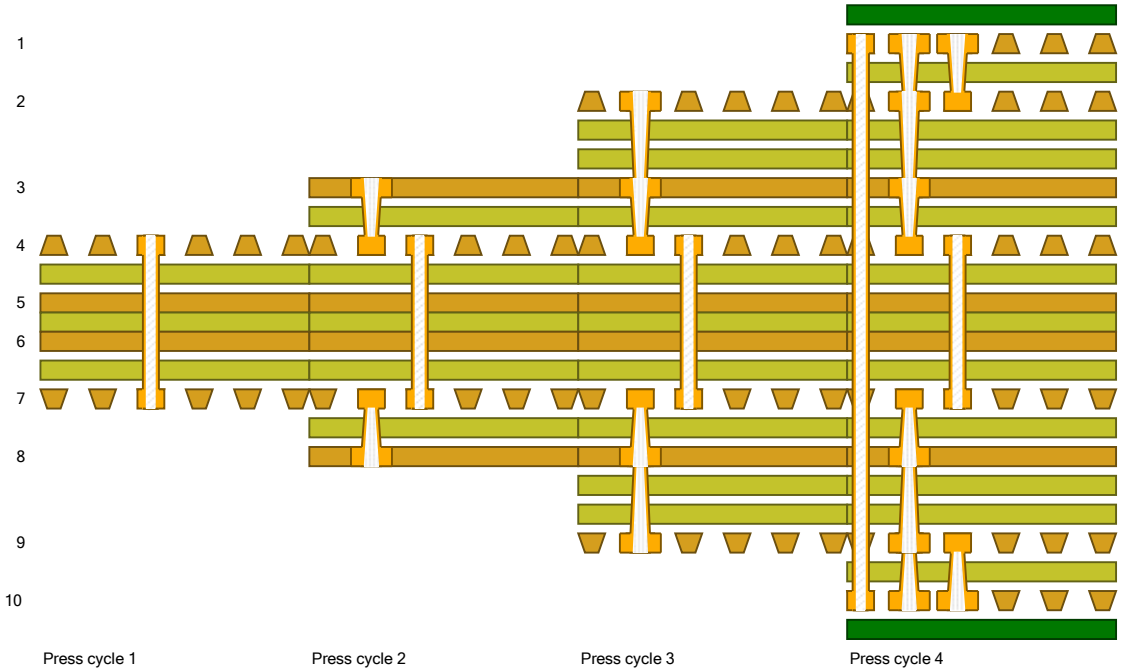

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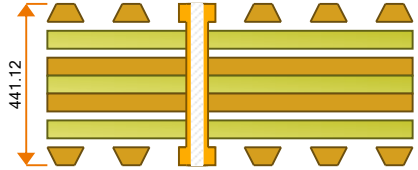
Layer	Stack up	Description	Copper Layer Type	Base Thickness	Processed Thickness	Resin Content	εr	Loss Tangent	Impedance ID
4		Copper Foil	Signal	17.780	35.560				
		PrePreg 3113		100.000	100.000	53.000	4.200	0.0195	
5			Plane	35.000	35.000				
		FR4 Core		100.000	100.000	53.000	4.200	0.0195	
6			Plane	35.000	35.000				
		PrePreg 3113		100.000	100.000	53.000	4.200	0.0195	
7		Copper Foil	Signal	17.780	35.560				

Copper Thickness = 141.120 | Dielectric Thickness = 300.000 | Solder Mask Thickness = 0.000 | Stack Up Thickness = 441.120 | Stack Up Thickness with Soldermask = 441.120
Stack Up Cost = 8.00

Drill Image	1st Layer	2nd Layer	Column Position	Drill Type
	4	7	3	Mechanical PTH

Supplier	Supplier Description	Description	Type	Stock Number	Stack Quantity	Unit Cost	Stack Cost	Total Quantity	Total Cost
					2	0.50	1.00	2	1.00
Polar Samples	FO/001	Copper Foil	Copper	100-001	6	1.00	6.00	6	6.00
Polar Samples	PP/007	PrePreg 1651	Dielectric	300-004	3	1.00	3.00	3	3.00
Polar Samples	PP/002	PrePreg 3080	Dielectric	300-002	3	1.00	3.00	3	3.00
Polar Samples	PP/001	PrePreg 1080	Dielectric	300-001	2	1.00	2.00	2	2.00
Polar Samples	FO/002	Copper Foil	Copper	100-002	2	2.00	4.00	2	4.00
Polar Samples	PP/003	PrePreg 3113	Dielectric	300-003	2	1.00	2.00	2	2.00
Polar Samples	CO/008	FR4 Core	FR4	400-008	1	2.00	2.00	1	2.00
							23.00		23.00

No. of Panels = 1 | Circuits Per Panel = 1 | Price Per Circuit = 23.00 |
Notes

StackName: Press cycle 1	Version:	Revision:	Modification:	Date of Revision:	Editor	Page 2/7
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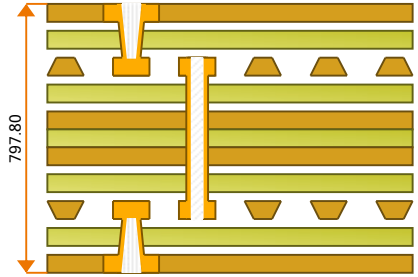
Layer	Stack up	Description	Copper Layer Type	Base Thickness	Processed Thickness	Resin Content	εr	Loss Tangent	Impedance ID
3		Copper Foil	Plane	35.560	53.340				
		PrePreg 1651		125.000	125.000	47.000	4.200	0.0195	
4		Copper Foil	Signal	17.780	35.560				
		PrePreg 3113		100.000	100.000	53.000	4.200	0.0195	
5			Plane	35.000	35.000				
		FR4 Core		100.000	100.000	53.000	4.200	0.0195	
6			Plane	35.000	35.000				
		PrePreg 3113		100.000	100.000	53.000	4.200	0.0195	
7		Copper Foil	Signal	17.780	35.560				
		PrePreg 1651		125.000	125.000	47.000	4.200	0.0195	
8		Copper Foil	Plane	35.560	53.340				

Copper Thickness = 247.800 | Dielectric Thickness = 550.000 | Solder Mask Thickness = 0.000 | Stack Up Thickness = 797.800 | Stack Up Thickness with Soldermask = 797.800
Stack Up Cost = 20.00

Drill Image	1st Layer	2nd Layer	Column Position	Drill Type
	3	4	2	Laser PTH
	4	7	3	Mechanical PTH
	8	7	2	Laser PTH

Supplier	Supplier Description	Description	Type	Stock Number	Stack Quantity	Unit Cost	Stack Cost	Total Quantity	Total Cost
					2	0.50	1.00	2	1.00
Polar Samples	FO/001	Copper Foil	Copper	100-001	6	1.00	6.00	6	6.00
Polar Samples	PP/007	PrePreg 1651	Dielectric	300-004	3	1.00	3.00	3	3.00
Polar Samples	PP/002	PrePreg 3080	Dielectric	300-002	3	1.00	3.00	3	3.00
Polar Samples	PP/001	PrePreg 1080	Dielectric	300-001	2	1.00	2.00	2	2.00
Polar Samples	FO/002	Copper Foil	Copper	100-002	2	2.00	4.00	2	4.00
Polar Samples	PP/003	PrePreg 3113	Dielectric	300-003	2	1.00	2.00	2	2.00
Polar Samples	CO/008	FR4 Core	FR4	400-008	1	2.00	2.00	1	2.00
							23.00		23.00

No. of Panels = 1 | Circuits Per Panel = 1 | Price Per Circuit = 23.00 |
Notes

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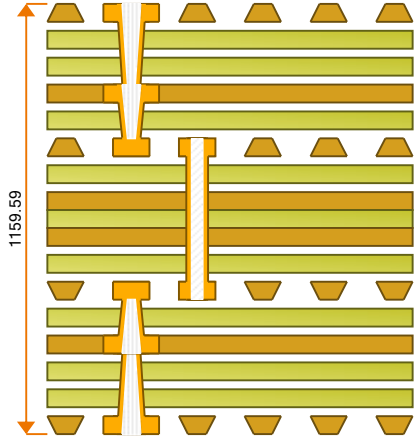
Layer	Stack up	Description	Copper Layer Type	Base Thickness	Processed Thickness	Resin Content	εr	Loss Tangent	Impedance ID
2		Copper Foil	Signal	17.780	35.560				
		PrePreg 3080		75.000	75.000	60.000	4.200	0.0195	
		PrePreg 1080		65.670	65.670	60.000	4.200	0.0195	
3		Copper Foil	Plane	35.560	53.340				
		PrePreg 1651		125.000	125.000	47.000	4.200	0.0195	
4		Copper Foil	Signal	17.780	35.560				
		PrePreg 3113		100.000	100.000	53.000	4.200	0.0195	
5			Plane	35.000	35.000				
		FR4 Core		100.000	100.000	53.000	4.200	0.0195	
6			Plane	35.000	35.000				
		PrePreg 3113		100.000	100.000	53.000	4.200	0.0195	
7		Copper Foil	Signal	17.780	35.560				
		PrePreg 1651		125.000	125.000	47.000	4.200	0.0195	
8		Copper Foil	Plane	35.560	53.340				
		PrePreg 3080		75.000	75.000	60.000	4.200	0.0195	
		PrePreg 3080		75.000	75.000	60.000	4.200	0.0195	
9		Copper Foil	Signal	17.780	35.560				

1159.59

Copper Thickness = 318.920 | Dielectric Thickness = 840.670 | Solder Mask Thickness = 0.000 | Stack Up Thickness = 1159.590 | Stack Up Thickness with Soldermask = 1159.590
Stack Up Cost = 28.00

Drill Image	1st Layer	2nd Layer	Column Position	Drill Type
	2	3	2	Laser PTH
	3	4	2	Laser PTH
	4	7	3	Mechanical PTH
	8	7	2	Laser PTH
	9	8	2	Laser PTH

Supplier	Supplier Description	Description	Type	Stock Number	Stack Quantity	Unit Cost	Stack Cost	Total Quantity	Total Cost
					2	0.50	1.00	2	1.00
Polar Samples	FO/001	Copper Foil	Copper	100-001	6	1.00	6.00	6	6.00
Polar Samples	PP/007	PrePreg 1651	Dielectric	300-004	3	1.00	3.00	3	3.00

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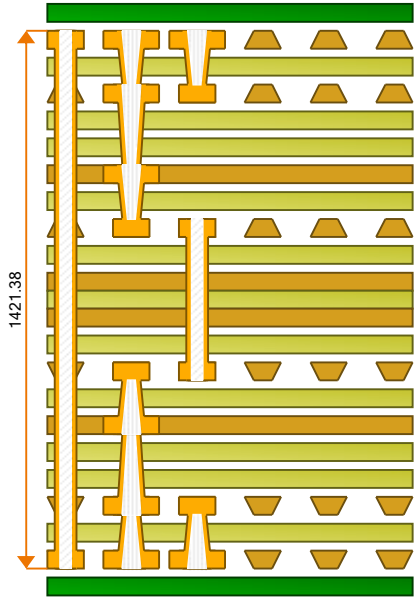
Supplier	Supplier Description	Description	Type	Stock Number	Stack Quantity	Unit Cost	Stack Cost	Total Quantity	Total Cost
Polar Samples	PP/002	PrePreg 3080	Dielectric	300-002	3	1.00	3.00	3	3.00
Polar Samples	PP/001	PrePreg 1080	Dielectric	300-001	2	1.00	2.00	2	2.00
Polar Samples	FO/002	Copper Foil	Copper	100-002	2	2.00	4.00	2	4.00
Polar Samples	PP/003	PrePreg 3113	Dielectric	300-003	2	1.00	2.00	2	2.00
Polar Samples	CO/008	FR4 Core	FR4	400-008	1	2.00	2.00	1	2.00
							23.00		23.00

No. of Panels = 1 | Circuits Per Panel = 1 | Price Per Circuit = 23.00 |

Notes

Layer	Stack up	Description	Copper Layer Type	Base Thickness	Processed Thickness	Resin Content	εr	Loss Tangent	Impedance ID
					25.400		4.000	0.0000	
1		Copper Foil	Signal	17.780	35.560				
		PrePreg 1651		125.000	125.000	47.000	4.200	0.0195	
2		Copper Foil	Signal	17.780	35.560				
		PrePreg 3080		75.000	75.000	60.000	4.200	0.0195	
		PrePreg 1080		65.670	65.670	60.000	4.200	0.0195	
3		Copper Foil	Plane	35.560	53.340				
		PrePreg 1651		125.000	125.000	47.000	4.200	0.0195	
4		Copper Foil	Signal	17.780	35.560				
		PrePreg 3113		100.000	100.000	53.000	4.200	0.0195	
5			Plane	35.000	35.000				
		FR4 Core		100.000	100.000	53.000	4.200	0.0195	
6			Plane	35.000	35.000				
		PrePreg 3113		100.000	100.000	53.000	4.200	0.0195	
7		Copper Foil	Signal	17.780	35.560				
		PrePreg 1651		125.000	125.000	47.000	4.200	0.0195	
8		Copper Foil	Plane	35.560	53.340				
		PrePreg 3080		75.000	75.000	60.000	4.200	0.0195	
		PrePreg 3080		75.000	75.000	60.000	4.200	0.0195	
9		Copper Foil	Signal	17.780	35.560				
		PrePreg 1080		65.670	65.670	60.000	4.200	0.0195	
10		Copper Foil	Signal	17.780	35.560				
					25.400		4.000	0.0000	



Copper Thickness = 390.040 | Dielectric Thickness = 1031.340 | Solder Mask Thickness = 50.800 | Stack Up Thickness = 1421.380 | Stack Up Thickness with Soldermask = 1472.180
Stack Up Cost = 32.50

Drill Image	1st Layer	2nd Layer	Column Position	Drill Type
	1	2	2	Laser PTH
	1	2	3	Laser PTH
	1	10	1	Mechanical PTH
	2	3	2	Laser PTH
	3	4	2	Laser PTH

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Drill Image	1st Layer	2nd Layer	Column Position	Drill Type
	4	7	3	Mechanical PTH
	8	7	2	Laser PTH
	9	8	2	Laser PTH
	10	9	3	Laser PTH
	10	9	2	Laser PTH

Supplier	Supplier Description	Description	Type	Stock Number	Stack Quantity	Unit Cost	Stack Cost	Total Quantity	Total Cost
					2	0.50	1.00	2	1.00
Polar Samples	FO/001	Copper Foil	Copper	100-001	6	1.00	6.00	6	6.00
Polar Samples	PP/007	PrePreg 1651	Dielectric	300-004	3	1.00	3.00	3	3.00
Polar Samples	PP/002	PrePreg 3080	Dielectric	300-002	3	1.00	3.00	3	3.00
Polar Samples	PP/001	PrePreg 1080	Dielectric	300-001	2	1.00	2.00	2	2.00
Polar Samples	FO/002	Copper Foil	Copper	100-002	2	2.00	4.00	2	4.00
Polar Samples	PP/003	PrePreg 3113	Dielectric	300-003	2	1.00	2.00	2	2.00
Polar Samples	CO/008	FR4 Core	FR4	400-008	1	2.00	2.00	1	2.00
							23.00		23.00

No. of Panels = 1 | Circuits Per Panel = 1 | Price Per Circuit = 23.00 |
Notes