

Somacis design for manufacturing

Customer	SOMACIS R&D	Sales Person	Somacis
Customer PN	DFM_L2_fFEX	Analyzer	VINCENZO
Date	Sep 05, 2023 17:59:01	Sap	Not Defined

Job View

Main Spec Summary Job

Main Spec Note

Stackup Proposal

Lyr	Image
✓SST	Silk Screen
✓SMT	Solder Mask
✓1	Cu Final [Thk:35um]
	EMC-EM-890K-89BK [Thk:70um]
✓2	Cu Final [Thk:20um]
	EMC-EM-890K-89BK [Thk:70um]
✓3	Cu Base [Thk: 17um]
	EMC-EM-890K-89BK [Thk:75um]
✓4	Cu Base [Thk: 17um]
	EMC-EM-890K-89BK [Thk:100um]
	EMC-EM-890K-89BK
✓5	Cu Base [Thk: 17um]
	EMC-EM-890K-89BK [Thk:75um]
✓6	Cu Base [Thk: 17um]
	EMC-EM-890K-89BK [Thk:100um]
	EMC-EM-890K-89BK
✓7	Cu Base [Thk: 17um]
	EMC-EM-890K-89BK [Thk:75um]
✓8	Cu Base [Thk: 17um]
	EMC-EM-890K-89BK [Thk:170um]
	EMC-EM-890K-89BK
✓9	Cu Base [Thk: 70um]
	EMC-EM-890K-89BK [Thk:75um]
✓10	Cu Base [Thk: 70um]
	EMC-EM-890K-89BK [Thk:170um]
	EMC-EM-890K-89BK
✓11	Cu Base [Thk: 70um]
	EMC-EM-890K-89BK [Thk:75um]
✓12	Cu Base [Thk: 70um]
	EMC-EM-890K-89BK [Thk:170um]
	EMC-EM-890K-89BK
✓13	Cu Base [Thk: 17um]
	EMC-EM-890K-89BK [Thk:75um]
✓14	Cu Base [Thk: 17um]
	EMC-EM-890K-89BK [Thk:100um]
	EMC-EM-890K-89BK
✓15	Cu Base [Thk: 17um]
	EMC-EM-890K-89BK [Thk:75um]
✓16	Cu Base [Thk: 17um]
	EMC-EM-890K-89BK [Thk:100um]
	EMC-EM-890K-89BK
✓17	Cu Base [Thk: 17um]
	EMC-EM-890K-89BK [Thk:75um]
✓18	Cu Base [Thk: 17um]
	EMC-EM-890K-89BK [Thk:70um]
✓19	Cu Final [Thk:20um]
	EMC-EM-890K-89BK [Thk:70um]
✓20	Cu Final [Thk:35um]
✓SMB	Solder Mask
✓SSB	Silk Screen

Final PCB thickness over mask (if present) mm 2.50 ± 10%

Stackup Note

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Impedance Constraints Table

S	Impedance Type	Image	Impedance Layer	Reference Layers	Original Track μm	Original Isolation μm	Original Track to gnd Iso. μm	Required Impedance Ohm	Simulation Result	Note
	Diff. Coated Microstrip		1	/2	100	125		100.0(+10/-10%)	solved	
	Diff. Coated Microstrip		20	19/	100	125		100.0(+10/-10%)	solved	
	Diff. Stripline		3	2/4	80	100		100.0(+10/-10%)	solved	
	Diff. Stripline		5	4/6	90	100		100.0(+10/-10%)	solved	
	Diff. Stripline		7	6/8	90	100		100.0(+10/-10%)	solved	
	Diff. Stripline		14	13/15	90	100		100.0(+10/-10%)	solved	
	Diff. Stripline		16	15/17	90	100		100.0(+10/-10%)	solved	
	Diff. Stripline		18	17/19	80	100		100.0(+10/-10%)	solved	
	S.E. Coated Microstrip		1	/2	135			50.0(+10/-10%)	solved	
	S.E. Coated Microstrip		20	19/	135			50.0(+10/-10%)	solved	
	S.E. Stripline		3	2/4	90			50.0(+10/-10%)	solved	
	S.E. Stripline		5	4/6	110			50.0(+10/-10%)	solved	

S.E. Stripline		7	6/8	110	50.0(+10/-10%)	solved
S.E. Stripline		14	13/15	110	50.0(+10/-10%)	solved
S.E. Stripline		16	15/17	110	50.0(+10/-10%)	solved
S.E. Stripline		18	17/19	90	50.0(+10/-10%)	solved

Impedance Note