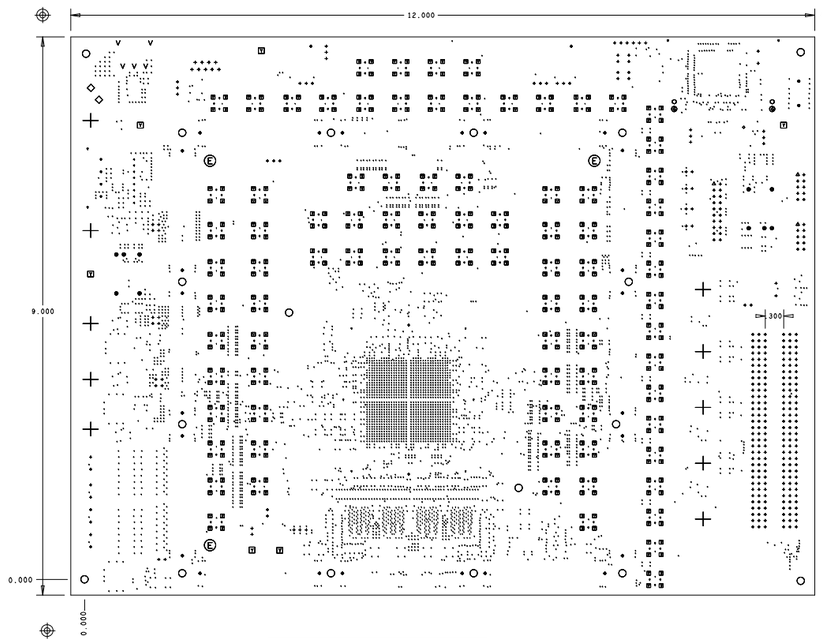
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01	INITIAL RELEASE	09/06/06	SERGIO

NOTES:

1. FABRICATE TO IPC-A-600,CURRENT REVISION.
2. BOARD SHALL MEET THE INSPECTION CRITERIA OF IPC-A-600,CLASS 2,CURRENT REVISION.
3. MATERIAL: NELCO-4000-13
4. WEIGHT OF ALL COPPER LAYERS SHALL NOT BE LESS 0.5 OZ. PER SQUARE FOOT.
5. IMPEDANCE TOLERANCE+/- 5% FOR LAYER 3, +/-10% OTHER LAYERS
6. APPLY SOLDER MASK OVER BARE COPPER(SMBOC) IAW IPC-SM-840,BOTH SIDES,USING LPI,COLOR GREEN
7. FINISH: GOLD IMMERSION.
8. SILKSCREEN TOP SIDE/BOTH SIDES WITH NON-CONDUCTIVE EPOXY BASED INK. COLOR SHALL BE WHITE A CONTRASTING INK WITH RESPECT TO SOLDER MASK COLOR. DISTORTION OF SILKSCREEN IS ACCEPTABLE OVER TRACES, EPOXY INK ON PLATED LANDS IS NOT ACCEPTABLE.
9. VENDOR LOGO AND DATE CODE TO BE MAKED FAR SIDE. MAXIMUM HEIGHT .12 INCHES.
10. 100% ELECTRICAL TEST REQUIRED FOR CONTINUITY. BOARD SHALL HAVE A UL RATING OF 94V-0. UL SYMBOL AND RATING SHAL BE MARKED FARSIDE.
11. REMOVE ALL UNUSED PADS FROM INTERNAL LAYERS.
12. SOLDER MASK FOLLOW GERBER DATA FOR TOP & BOTTOM SIDE.
13. SOLDER MASK REGISTRATION TO BE WITHIN DIAMETRICAL TRUE POSITION OF + / - 0.002 WITH APPLICABLE HOLE / PAD.
14. 274X GERBERS/ODB++ USED FOR FAB MUST BE VERIFIED AGAINST THE PROVIDED IPC356 NETLIST.
15. USE ARTMASTER # 0531585



STACK-UP FOR REFERENCE MAY USE PREVIOUS REV STACK-UP

TOP SIDE

LAYER 1 (L1 TOP)	1/2 OZ CU
PRE-PREG 4000-13	.0045"
LAYER 2 (L2 GND)	1/2 OZ CU
CORE 4000-13	.010"
LAYER 3 (L3 INNER)	1/2 OZ CU
PRE-PREG 4000-13	.007"
LAYER 4 (L4 GND)	1/2 OZ CU
PRE-PREG 4000-13	.006"
LAYER 5 (L5 INNER)	1/2 OZ CU
CORE 4000-13	.006"
LAYER 6 (L6 GND)	1/2 OZ CU
PRE-PREG 4000-13	.0040"
LAYER 7 (L7 PWR)	1/2 OZ CU
CORE 4000-13	.005"
LAYER 8 (L8 INNER)	1/2 OZ CU
PRE-PREG 4000-13	.005"
LAYER 9 (L9 INNER)	1/2 OZ CU
CORE 4000-13	.005"
LAYER 10 (L10 PWR)	1/2 OZ CU
PRE-PREG 4000-13	.004
LAYER 11 (L11 GND)	1/2 OZ CU
CORE 4000-13	.006"
LAYER 12 (L12 INNER)	1/2 OZ CU
PRE-PREG 4000-13	.006"
LAYER 13 (L13 GND)	1/2 OZ CU
PRE-PREG 4000-13	.006"
LAYER 14 (L14 INNER)	1/2 OZ CU
CORE 4000-13	.006"
LAYER 15 (L15 GND)	1/2 OZ CU
PRE-PREG 4000-13	.0045"
LAYER 16 (L16 BOTTOM)	1/2 OZ CU

.100 +/- 10%

BOTTOM SIDE

DETAIL A

SCALE:NONE

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LINE WIDTH IMPEDANCE CHART FOR REFERENCE

LAYER	SINGLE ENDED LINE WIDTH	DIFF LINE WIDTH	SPACE CENTER 2 CENTER	SINGLE	DIFF
L1,L16	7 MILS	6.5 MILS	13.5 MILS	50-55 OHMS	100 OHMS
L3	7.75 MILS	7.74 MILS	20 MILS	50-55 OHMS	100 OHMS
L5,L12	4 MILS	3.9 MILS	11 MILS	50-55 OHMS	100 OHMS
L8, L9	5 MILS	4.9 MILS	12 MILS	50-55 OHMS	100 OHMS
L14	4 MILS	3.9 MILS	11 MILS	50-55 OHMS	100 OHMS

DRILL CHART: TOP to L4_GND			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
·	8.0	PLATED	64
·	8.0	PLATED	71

DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
·	9.84	PLATED	336
·	10.0	PLATED	4205
·	15.75	PLATED	258
	37.0	PLATED	15
+	37.0	PLATED	3
·	40.0	PLATED	310
▵	40.0	PLATED	3
+	41.0	PLATED	9
·	50.0	PLATED	8
✱	55.0	PLATED	10
·	60.0	PLATED	4
⊠	63.0	PLATED	344
v	73.0	PLATED	5
·	90.55	PLATED	2
·	94.0	PLATED	6
⊡	95.0	PLATED	6
	120.0	PLATED	2
◇	120.0	PLATED	2
○	125.0	PLATED	18
	140.0	PLATED	1
Ⓔ	190.0	PLATED	3
┼	250.0	PLATED	10
•	39.37	NON-PLATED	2
◆	47.0	NON-PLATED	24
·	52.0	NON-PLATED	2
○	67.0	NON-PLATED	2
⊛	87.0	NON-PLATED	2
·	100.4	NON-PLATED	2

ARTWORK,ROHS COMPLIANT, ML523 FF1136	
ARTMASTER # 0531585	LAYER:
Designed by Xilinx	DATE: SEPT 5, 2006
BOARD designer: PATRICK JABBAZ	PHONE: (408) 879-4709
SHEET OF 22	

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE
DIMENSIONS ARE IN INCHES	DRAWN PATRICK JABBAZ	02/20/06
TOLERANCES ON:	CHECKED	
2 PL DECIMALS +/- .010	ENGRG PATRICK JABBAZ	
3 PL DECIMALS +/- .005	ISSUED	
ANGLES ±		
FRACTIONS ±		

PCB.ROHS COMPLIANTT

ML523 FF1136

SIZE	FSCM NO	DWG NO	REV
D		1280397	01
SCALE NONE			SHEET 1 OF 1