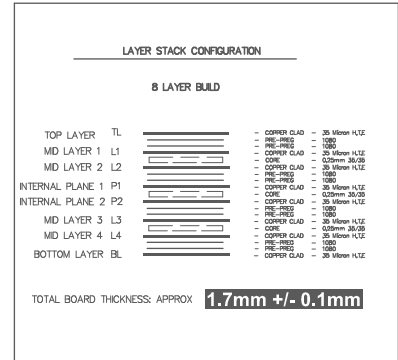


PRODUCT FAMILY
NANOBOARD

DRAWING ID/MODEL
NB2DSK01.08

BUILD STATISTICS

GENERAL	
NETS	1002
COMPONENTS	798
PRIMITIVES	
FILES	5806
TRACKS	40148
STRINGS	2289
ARCS	1323
LANES	
PADS	3627
WAYS	3182
PRINT SCALE	
SCALE	SCALE: 0.70



- BUILD CONFIGURATION AND SPECIFICATIONS SUMMARY**
- 8 Layer Build
 - 5 Thou Tracks / 5 Thou Spacing
 - 24 Thou Via / 0.30mm Hole
 - 1 Oz Copper Clad
 - 3um Immersion Gold
 - Gloss Black Solder Mask
 - Include All BBT Filled Boards With Order
 - Silk-Screened White Legend
 - DO NOT TRM Legend (Silkscreen)
 - Board Thickness Approx 1.7mm
 - BOARD OUTLINE Layer Denotes Board Cutout
 - Must be BBT (Bare Board Tested)
 - Include BBT Certificate with Order

DESIGN INFORMATION

BOARD TECHNOLOGY: **4 TRACK / 24 VIA / 4 SPACE** BOARD SIZE (REFER ALSO PROFILING INFORMATION): **300mm x 165mm**

(MIN. TRACK / PADS / CLEARANCE IN 0.001")
MINIMUM ANNULAR RING 0.05MM (0.002") EXTERNAL PER IPC-D-275 CLASS 2 LEVEL C AND IS THE MANUFACTURING REGISTRATION ALLOWANCE

CIRCUIT TYPE: SS DS PTH MULTILAYER Number of Layers: **8**

FINGER CONNECTOR DIM PER: AS SHOWN BOTH SIDES

No. OFF TOTAL: ONE SIDE BOTH SIDES

VIA: NONE FEED THRU TENTED BURED LAYER SEQUENCE

UNIQUE DRILL 2 SIZES BLIND LAYER SEQUENCE

LAYER CONSTRUCTION PER: LAMINATION SEQUENCE AS SHOWN

ARTWORK: MANUAL DIGTISED CAD FILE NAME: NB2DSK01 FILE TYPE: GERBER SET

SUPPLIED ARTWORK/PATTERN MASTER LIST

DESCRIPTION	DRAWING No./CAD FILE REF.	REVISION
NB2DSK01	ALTIUM NANOBOARD DESKTOP VERSION 8	8
DRILL DRAWING	APERTURE TABLES/FILES ARE EMBEDDED	1

MATERIAL: FR4-01 FR4-04 FR4-08 POLYIMIDE ARLON TUC-722

THICKNESS: 0.8mm 1.2mm 1.7mm 2mm 3.2mm

TOLERANCE: IN A/W ANSI IPC-6012 TYPE 3 CLASS 2 OTHER +/-

BOW & TWIST: IN A/W ANSI IPC-6012 TYPE 3 CLASS 2 AS SHOWN

COPPER THICKNESS (FINISHED)

OUTER: 18um (1/2oz) 35um (1oz) 70um (2oz)

INNER SIGNAL: 18um (1/2oz) 35um (1oz) 70um (2oz)

INNER PWR: 18um (1/2oz) 35um (1oz) 70um (2oz)

STRUCTURE: REFER AS PER DRAWING No. AS SHOWN

DRILLING:

VIEWED FROM: COMPONENT SIDE SOLDER SIDE

REFERENCE: AS SHOWN PATTERN MASTER LIST NC_DRILL FILES

PTH MINIMUM COPPER THICKNESS: 20um OTHER

NPTH: TENTED PADS REMOVED REMOVE PADS

2nd DRILL BOTH AS SHOWN NONE

BOARD FINISH:

ETCHING REFER PATTERN MASTER LIST

LEGEND / SCREEN PRINT: NONE COMPONENT SOLDER

COLOUR: WHITE YELLOW OTHER

SOLDER RESIST: LIQUID PHOTOMAGEABLE SCREEN PRINT

COLOUR: GLOSS MATTE GREEN BLUE G/Y BLACK

TRACK FINISH:

SELECTIVE SOLDER REFLOW SOLDER

HASL (HOT AIR SOLDER LEVEL)

REFER PATTERN MASTER LIST OTHER

3um IMMERSION GOLD SMOBC (SOLDER MASK OVER BARE COPPER)

HARD GOLD PLATE FINISH OTHER

AS SHOWN REFER

PROFILING:

CUT AND TRM ACCORDING TO LAYER MECHANICAL 1 (BOARD OUTLINE)

REFER PCB BLANK DWG No. _____

USE PROFILE/ ROUTE TAPE SUPPLIED (REFER PATTERN MASTER LIST)

SQUARE CUT N.C. ROUTE V. SCORE BLANK

ACCEPTABILITY: MATERIALS AND WORKMANSHIP FOR ALL PRINTED WIRING BOARDS TO MEET OR EXCEED THE REQUIREMENTS OF:

IN A/W ANSI IPC-A-600F 1 2 3

UL CERTIFICATION AUSTEL

ML-P-55110E GRP A B AS2546 OTHER _____

ADDITIONAL REQUIREMENTS:

MICROSECTION: NONE SAMPLE PLAN ML-P-55110E SERIAL Nos. PER ORDER

CERTIFICATION: NONE ML-P-55110E GRP A B IPC CLASS: 1 2 3

QUALITY RELEASE REPORT OTHER PER ORDER

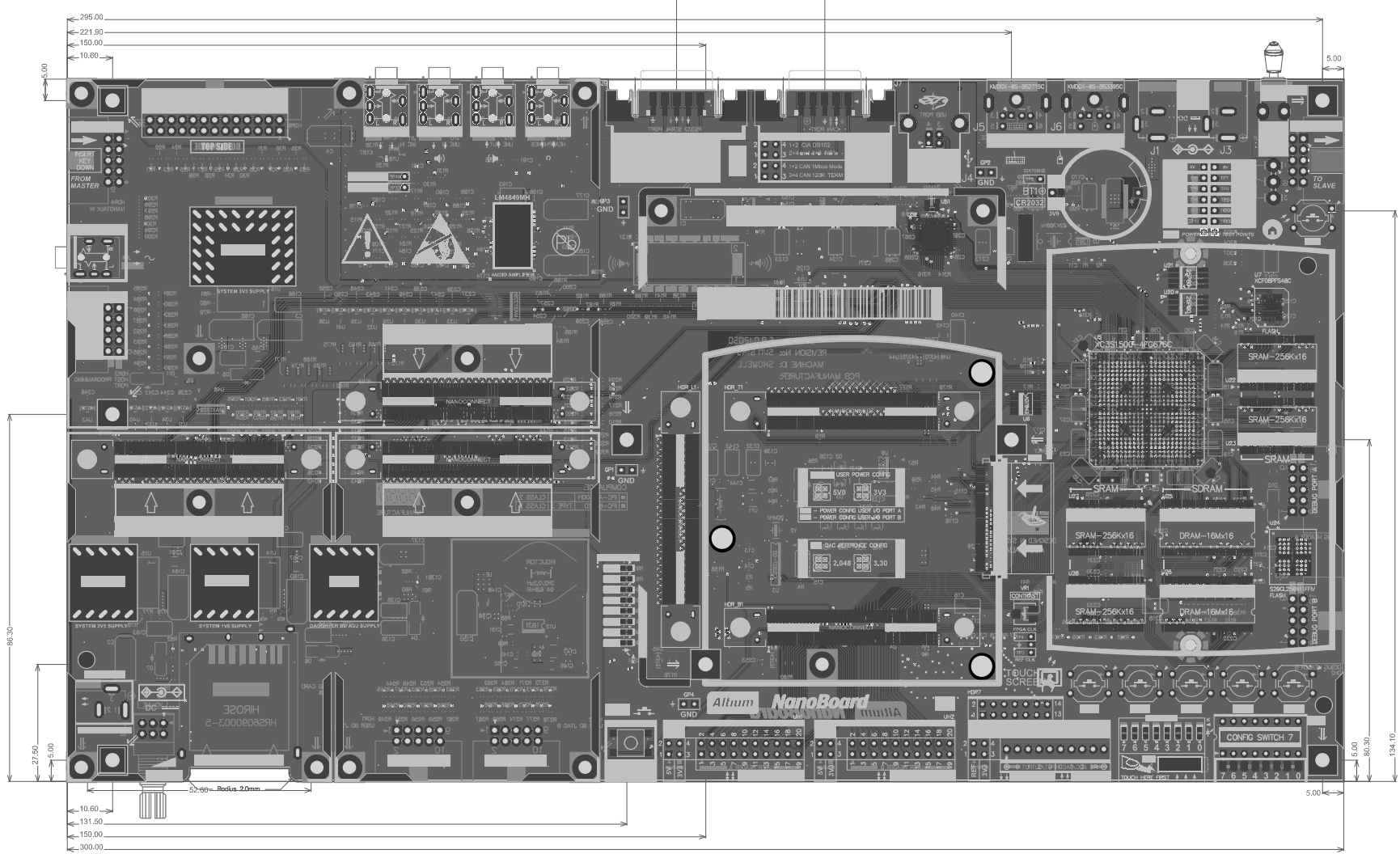
ELECTRICAL TEST: Bare Board NONE REQUIRED PER ORDER

SURFACE MOUNT: NONE 1 SIDE 2 SIDES MIN. PITCH **0.65MM**

MANUFACTURER'S D/LOGO: NONE FOIL LEGEND REFER

MANUFACTURER'S ACCREDITATION: ISO9001/AS3901 NONE

PACKAGING AND HANDLING: PER ORDER REFER



Symbol	Hlt Count	Tool Size	Physical Length	Rout Path Length	Plated	Hole Type
□	3184	11.811mil (0.3mm)			PTH	Round
○	15	31.496mil (0.8mm)			PTH	Round
⊙	117	35.433mil (0.9mm)			PTH	Round
◊	38	39.37mil (1mm)			PTH	Round
○	16	43.307mil (1.1mm)			PTH	Round
○	96	49.213mil (1.25mm)			PTH	Round
□	2	51.181mil (1.3mm)			NPTH	Round
H	3	59.055mil (1.5mm)			PTH	Round
F	10	62.992mil (1.6mm)			NPTH	Round
F	2	62.992mil (1.6mm)			PTH	Round
C	4	90.551mil (2.3mm)			PTH	Round
D	2	98.425mil (2.5mm)			NPTH	Round
⊙	14	124.016mil (3.15mm)			PTH	Round
B	8	133.858mil (3.4mm)			PTH	Round
I	3	196.85mil (5mm)			PTH	Round
▽	12	23.622mil (0.6mm)	55.118mil (1.4mm)	31.496mil (0.8mm)	PTH	Slot
⊙	15	23.622mil (0.6mm)	59.055mil (1.5mm)	35.433mil (0.9mm)	PTH	Slot
⊙	10	23.622mil (0.6mm)	78.74mil (2mm)	55.118mil (1.4mm)	PTH	Slot
⊙	4	31.496mil (0.8mm)	51.181mil (1.3mm)	18.685mil (0.5mm)	PTH	Slot
⊙	1	31.496mil (0.8mm)	59.055mil (1.5mm)	27.559mil (0.7mm)	PTH	Slot
⊙	1	31.496mil (0.8mm)	78.74mil (2mm)	47.244mil (1.2mm)	PTH	Slot
E	4	35.433mil (0.9mm)	94.488mil (2.4mm)	59.055mil (1.5mm)	PTH	Slot
∇	62	39.37mil (1mm)	98.425mil (2.5mm)	59.055mil (1.5mm)	PTH	Slot
⊙	6	39.37mil (1mm)	118.11mil (3mm)	78.74mil (2mm)	PTH	Slot
⊙	3	39.37mil (1mm)	137.795mil (3.5mm)	98.425mil (2.5mm)	PTH	Slot
	3632	Total				

Slot definitions : Rout Path Length = Calculated from tool start centre position to tool end centre position.
Physical Length = Rout Path Length + Tool Size = Slot length as defined in the PCB layout

PRODUCT	NANOBOARD - NB2DSK	DATE	19.MAY.07
DRAWN	SHOWELL	DATE	11.NOV.07
APPROVED	SHOWELL	DATE	11.NOV.07
CUSTOMER	ALTIUM - PRODUCTION AND LOGISTICS		
REVISION	RELEASE VERSION	SHOWELL	11.NOV.07
	DESCRIPTION OF TASK OR MODIFICATION	APPD	DATE
TEMPLATE:	- Multilayer Composite Print C:\Designs\Altium\2007\Designs\Altium\Products\Nanoboard\NB2DSK01\NB2DSK01.PcbDoc		

ALTIUM LIMITED.
LEVEL 3 / 12A RODBOROUGH ROAD
FRENCHS FOREST - SYDNEY 2086
NSW AUSTRALIA

SCALE: **SCALE: 0.70**

DATE: **10/9/2011**

SHEET: **1 OF 1** A2

Title: **NB2DSK01.08 DESKTOP NANOBOARD**