| REVISIONS | | | | | |
|---|---|---|---|---|---|
| REV | DESCRIPTION | CHECKED | DATE | CONF MGMT | DATE |
| 2 | ECO #1752 HOLES FOR J1 TIEWRAP | | | | |

# *PRINTED CIRCUIT BOARD FABRICATION SPECIFICATION*

| | |
|---|---|
| ***PCB INFORMATION:*** | **NO:** 90002755 **REV: 2** **NAME:** RD5500-ETH SIMPLE ADAPTER |
| ***GERBER FILES:*** | **FILE:** 90002755.ZIP **FORMAT:** 5.5, ABS, RS-274-X<br>**UNITS:** MM(INCH) |
| ***DIMENSIONS:*** | **X =** 151 (5.945) **Y =** 207 (8.150) **THICK:** 1.57 (0.062) |
| ***HOLES & VIAS:*** | **TOTAL: <**2000 **MIN. DRILL DIA:** 0.254(0.010)<br>**BLIND:** 0 **BURIED:** 0 **PLUGGED:** 0<br>**DRILL TOLERANCES *(WITHIN PAD CENTERS)*:**<br>HOLE DIA > 3.175(0.125) = ± 0.127(0.005)<br>HOLE DIA ≤ 3.175(0.125) = ± 0.076(0.003) |
| ***GEOMETRY:*** | **MIN. TRACE:** 0.100(0.004) **MIN. SPACE:** 0.100(0.004) |
| ***LAYERS:*** | **SIGNAL:** 2 **PLANES:** 2 **TOTAL:** 4<br>**ADD UL ID. SYMBOL AND MFGR WEEK/YEAR MARK TO BOTTOM SIDE COPPER** |
| ***MATERIAL:*** | **FR4 – NATURAL COLOR, UL94VO** |
| ***STARTING COPPER:*** | **WEIGHT (oz.)** **EXTERNAL:** 0.5 **INTERNAL:** 1.0 **PLANES:** N/A |
| ***SURFACE FINISH:*** | 1.0 oz. COPPER (.0014 THK.) PLATE OVER FINAL CIRCUIT CONFIGURATION AND ANNULAR WALLS OF PLATED THRU HOLES. ELECTROLESS NICKEL (EN) 50>250uin followed by IMMERSION GOLD 4>12uin. FINISH. |
| ***SOLDER MASK:*** | DARK GREEN LPI (LIQUID PHOTO-IMAGABLE) OVER BARE COPPER |
| ***SILK SCREEN:*** | TOP AND BOTTOM SIDE SILKSCREEN IN WHITE EPOXY INK |

***NOTES: 0.254(0.010) drilled holes are drilled to fill, TOLERANCE +0.025(0.001), -0.229(0.009).***

| | | ORIGINAL ISSUE APPROVAL | | |
|---|---|---|---|---|
| | | **APPROVALS** | | **DATE** |
| | | DRAWN: | TWW | 3/15/05 |
| | | CHECKED: | | |
| | | APPROVED: | | |
| | | CONF MGMT: | | |
| | 10002755 | | | |
| **NEXT ASSY** | **USED ON** | | | |
| **APPLICATION** | | | | |

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS: +/- 1/64
DECIMALS: .XX – +/- .01 .XXX – +/- .003
ANGLES: +/- 1/2°

**INTELLON CORPORATION**
5100 W. SILVER SPRINGS BLVD.
OCALA, FL 34482
PH: (352) 237-7416 FAX: (352) 237-7616
http://www.intellon.com

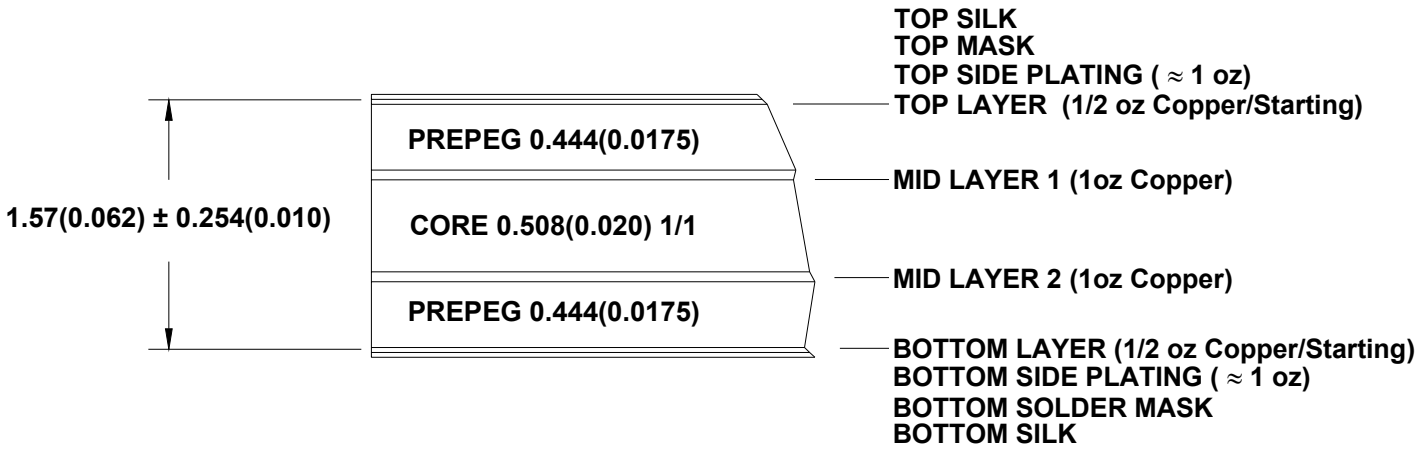
## FABRICATION SPECIFICATION
## RD5500-ETH SIMPLE ADAPTER PCB

| SIZE: | FSCM NO: | DWG NO: | | REV: |
|---|---|---|---|---|
| A | | | **80002755** | 2 |
| SCALE: NONE | | | | SHEET: 1 OF 3 |

APPROVED "A" SIZE PCB FAB SPEC REVISION: D DATE: 9/9/98 CHANGED BY: G. LASBY REASON FOR CHANGE: NEW LOGO & SIGN OFF

| REVISIONS | |
|---|---|
| REV | DESCRIPTION |
| ⇒ | SEE SHEET 1 FOR REVISION |

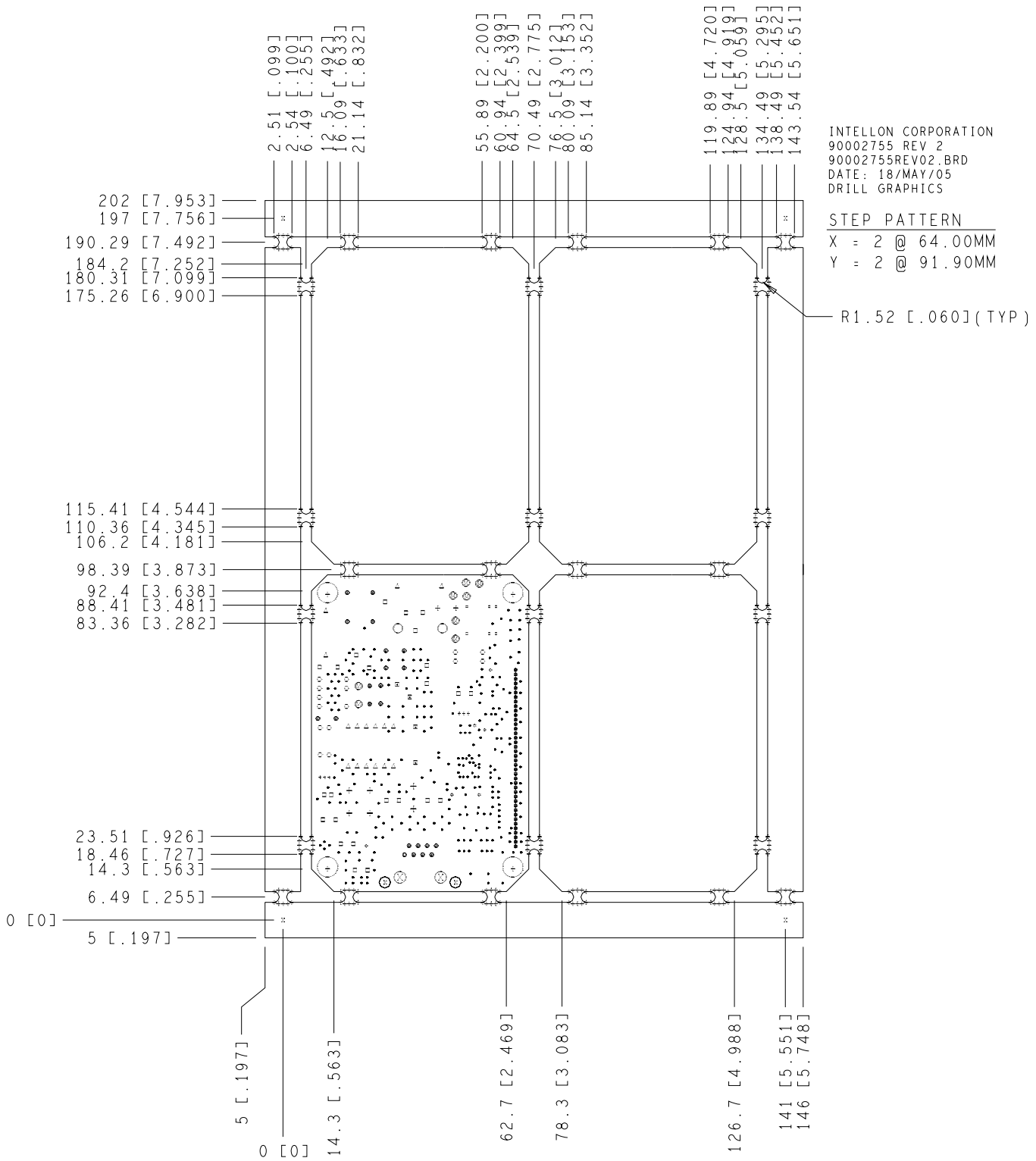
# 4 Layer Board Stack-up




| DWG NO: | 80002755 |
|---|---|

| REVISIONS | |
|---|---|
| REV | DESCRIPTION |
| ⇒ | SEE SHEET 1 FOR REVISION |

# OUTLINE DRAWING




| DWG NO: | 80002755 |
|---|---|