



MANUFACTURING NOTES

- 1. STYLE :-- MULTILAYER (14 LAYERS)
- 2. MATERIAL :-- FR4
- 3. FINISHED BOARD THICKNESS :-- 2.0mm
- 4. BASE COPPER
OUTER :-- 17 MICRONS
INNER :-- 17 MICRONS
- 5. COPPER PLANES :-- FOR ALL COPPER PLANES PLEASE ENSURE MINIMUM ANTIPLAS ARE MAINTAINED - 50 AS NOT TO REDUCE THE AREA OF THE PLANE THROUGH ETCHBACK
- 6. FINISH :-- IMMERSION GOLD ON NICKEL
- 7. SOLDER RESIST :-- GREEN, PHOTOIMAGABLE (2-OFF)
- 8. COMPONENT IDENT :-- WHITE (2-OFF)
- 9. RELEASE :-- CERTIFICATE OF CONFORMITY.

| PC3205M LAYER STRUCTURE ISSUE 1 | |
|---------------------------------------|------------------------|
| LAYER | DESCRIPTION |
| S | SOLDER RESIST - TOP |
| A | TOP TRACKS |
| B | 1ST PLANE |
| C | INNER TRACKS 1 |
| D | INNER TRACKS 2 |
| E | INNER TRACKS 3 |
| F | INNER TRACKS 4 |
| G | 2ND PLANE |
| H | INNER TRACKS 5 |
| I | INNER TRACKS 6 |
| J | INNER TRACKS 7 |
| K | INNER TRACKS 8 |
| L | INNER TRACKS 9 |
| M | 3RD PLANE |
| N | INNER TRACKS 10 |
| P | SOLDER RESIST - BOTTOM |

| TOOL SYMBOL | SIZE (mm) | PLATED | QTY |
|-------------|-----------|--------|-------|
| T01 | 0.2 | YES | 13449 |
| T02 | 0.4 | YES | 181 |
| T03 | 0.6 | YES | 248 |
| T04 | 0.8 | YES | 316 |
| T05 | 0.9 | YES | 397 |
| T06 | 1.0 | YES | 58 |
| T07 | 1.0 | YES | 143 |
| T08 | 1.1 | YES | 4 |
| T09 | 1.1 | YES | 4 |
| T10 | 2.3 | YES | 20 |
| T11 | 2.8 | YES | 11 |
| T12 | 4.4 | YES | 4 |
| T13 | 4.7 | YES | 2 |
| T14 | 1.4 | NO | 2 |

| LAYER | TRAC | MIN. GAP | 2x | REF. | LAYER/LAYERS |
|-------|-------|----------|----|------|--------------|
| A | 125um | 100um | 56 | B | (MICROSTRIP) |
| C/D | 100um | 100um | 59 | EG | (STRIP/LINE) |
| F | 100um | 100um | 59 | HU | (STRIP/LINE) |
| K/L | 100um | 100um | 59 | HU | (STRIP/LINE) |
| N | 125um | 100um | 56 | M | (MICROSTRIP) |

| LAYER | TRAC | MIN. GAP | 2x | REF. | LAYER/LAYERS |
|-------|-------|----------|-----|------|--------------|
| A/B | 100um | 100um | 100 | # | SEE BELOW |
| C/F | 75um | 125um | 100 | # | SEE BELOW |

| | | | | | |
|--|----------|---------|----------|--------------|----------------|
| A | 04-12-02 | | C.P. DAY | D.J. BECKETT | S. TAGHAY/TRAD |
| ISSUE | DATE | MOD NO. | DRAWN | CHECKED | APPROVED |
| TOLERANCE UNLESS STATED | | | | | |
| GENERAL +/- 0.1 mm | | | | | |
| HOLES +/- 0.05 mm | | | | | |
| MATERIAL & SPEC | | | | | |
| SEE NOTES | | | | | |
| UNLESS STATED | | | | | |
| USED ON | | | | | |
| CCLRC 2002 | | | | | |
| COUNCIL FOR THE CENTRAL LABORATORY RUTHERFORD APPLETON LABORATORY, CHILTON, OXON, OX11 0OX | | | | | |
| OF THE BEACON COUNCIL | | | | | |
| TITLE | | | | | |
| PC3205M | | | | | |
| CMS TRACKER FED v1 | | | | | |
| DRILLING | | | | | |
| A1-TE-0070-021-00-A | | | | | |
| TOTAL NO. OF SHEETS | | | | | |