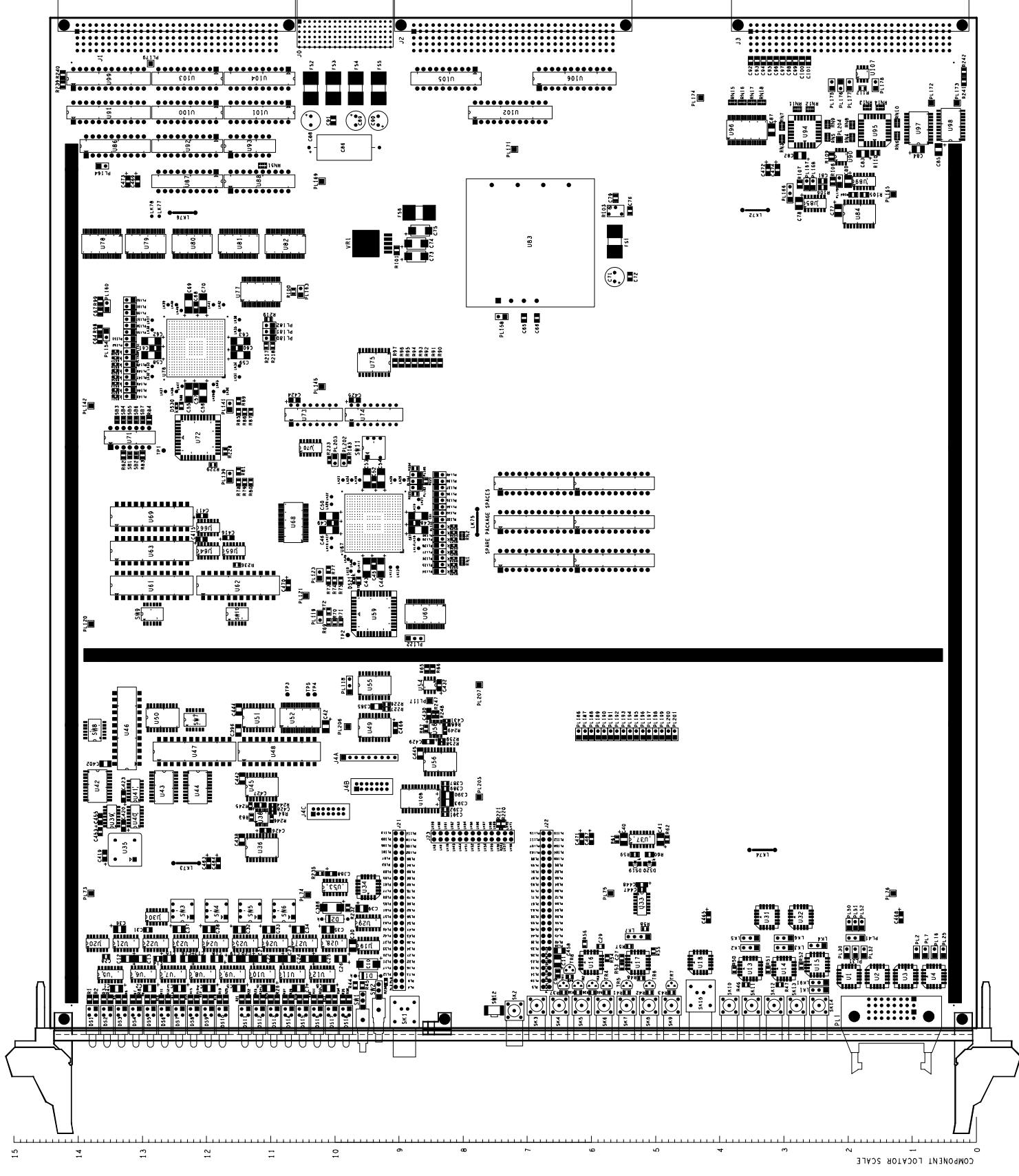


BOARD VIEWED ON 'A' FACE



ASSEMBLY NOTES

SOLDER PASTE MASTERS AVAILABLE FOR ASSEMBLY OF SURFACE MOUNT COMPONENTS.
 TOP SOLDER PASTE - PC3216M/S O FACE
 BOTTOM SOLDER PASTE - PC3216M/S P FACE
 BOTTOM ASSEMBLY DRG. AVAILABLE - A1-TE-0102-046-02-M

1. ENSURE CORRECT ORIENTATION OF COMPONENTS.
2. MOUNT LOW PROFILE SOCKETS WHERE ALL DIL I.C.'S ARE TO BE MOUNTED.
SEE KITTING LIST FOR DETAILS
U73 AND U74 ARE TO BE SOLDERED DIRECTLY TO THE BOARD, NOT IN SOCKETS.
3. FIT PRECI-DIP PCB CONNECTORS 714-91-125-31-018001 TO CREATE J21, J22 AND J23 CONNECTORS. THESE ARE TO BE SOLDERED IN BUT NOT CUT SHORT BECAUSE DAUGHTER BOARD LEGS HAVE TO PUSH THROUGH THE BOARD.
THE LONG PROTRUDING SOLDER PINS OF THE THREE CONNECTORS, J21, J22, AND J23 SHOULD BE COVERED BY 19MM WIDE KAPTON TAPE ON THE SOLDER SIDE OF THE PCB.
(SEE KITTING LIST)
4. MOUNT GROUND BARS LK72-LK76 AS HIGH OFF THE BOARD AS POSSIBLE.
5. ENSURE SK1-SK15 ARE ASSEMBLED TO BE PERPENDICULAR TO THE FRONT EDGE OF THE BOARD, TO ENSURE THEY PASS THROUGH THE FRONT PANEL CORRECTLY
6. DO NOT FIT CONNECTOR J0
7. DO NOT FIT R220, R221 AND R225.
8. USE SCROFF MOUNTING BLOCK TO FIT FRONT PANEL IN THE CENTRE.
SEE KITTING LIST FOR DETAILS.
9. FIT 3 X STIFFENING BARS WHEN APPROPRIATE (SEE KITTING LIST FOR DETAILS OF ALL FIXTURES)
- A - BARS ARE TO BE ASSEMBLED ON THE TOP SIDE OF THE BOARD AND ATTACHED VIA M2.5 X 6MM SCREWS FROM THE SOLDER SIDE WITH NO WASHERS UNDER THE SCREW HEADS.
- B - THE TWO HORIZONTAL BARS SHOULD BE SPACED ABOVE THE PCB BY USING M3 NUTS BETWEEN THE PCB AND THE BARS TO IMPROVE THE COOLING AIR FLOW.
- C - THE VERTICAL BAR SHOULD BE SPACED ABOVE THE PCB USING M2.5 NYLON WASHERS BETWEEN THE PCB AND THE BAR TO LIFT THE BAR FROM THE PCB TRACKS.
10. ATTACH FRONT PANEL TO THE PCB USING M2.5 X 6MM SLOTTED PAN HEAD SCREWS, WITH NO WASHERS UNDER THE SCREW HEADS.

| | | | | | |
|-------------------------|------------|---------|---|---------------|-----------------|
| E | 16-06-2005 | TE271 | D. J. BECKETT | D. J. BALLARD | M. POSTRANECKY |
| D | 03-03-2005 | TE263 | D. J. BECKETT | D. J. BALLARD | M. POSTRANECKY |
| C | 01-12-2004 | TE255 | D. J. BECKETT | D. J. BALLARD | M. POSTRANECKY |
| B | 29-07-2004 | TE238 | D. J. BECKETT | D. J. BALLARD | M. POSTRANECKY |
| A | 23-05-2003 | - - - - | D. J. BECKETT | C. P. DAY | M. POSTRANECKY |
| ISSUE DATE MOD NO. | | | DRAWN | CHECKED | APPROVED STATUS |
| TOLERANCE UNLESS STATED | | | FINISH | | |
| | | | ORIGINAL SCALE 1:1 | | |
| | | | DO NOT SCALE | | |
| MATERIAL & SPEC | | | REMOVE ANY BURS SURFACE TEXTURE micro m | | |
| USED ON | | | ✓ UNLESS STATED | | |
| | | | CCLRC 2003 | | |
| | | | COUNCIL FOR THE CENTRAL LABORATORIES, RUTHERFORD APPLETON LABORATORY, CHILTON, OXON, OX11 0OX OF THE RESEARCH COUNCILS | | |
| TITLE | | | TOP ASSEMBLY TTC INTERFACE MODULE (TIM-3E) | | |