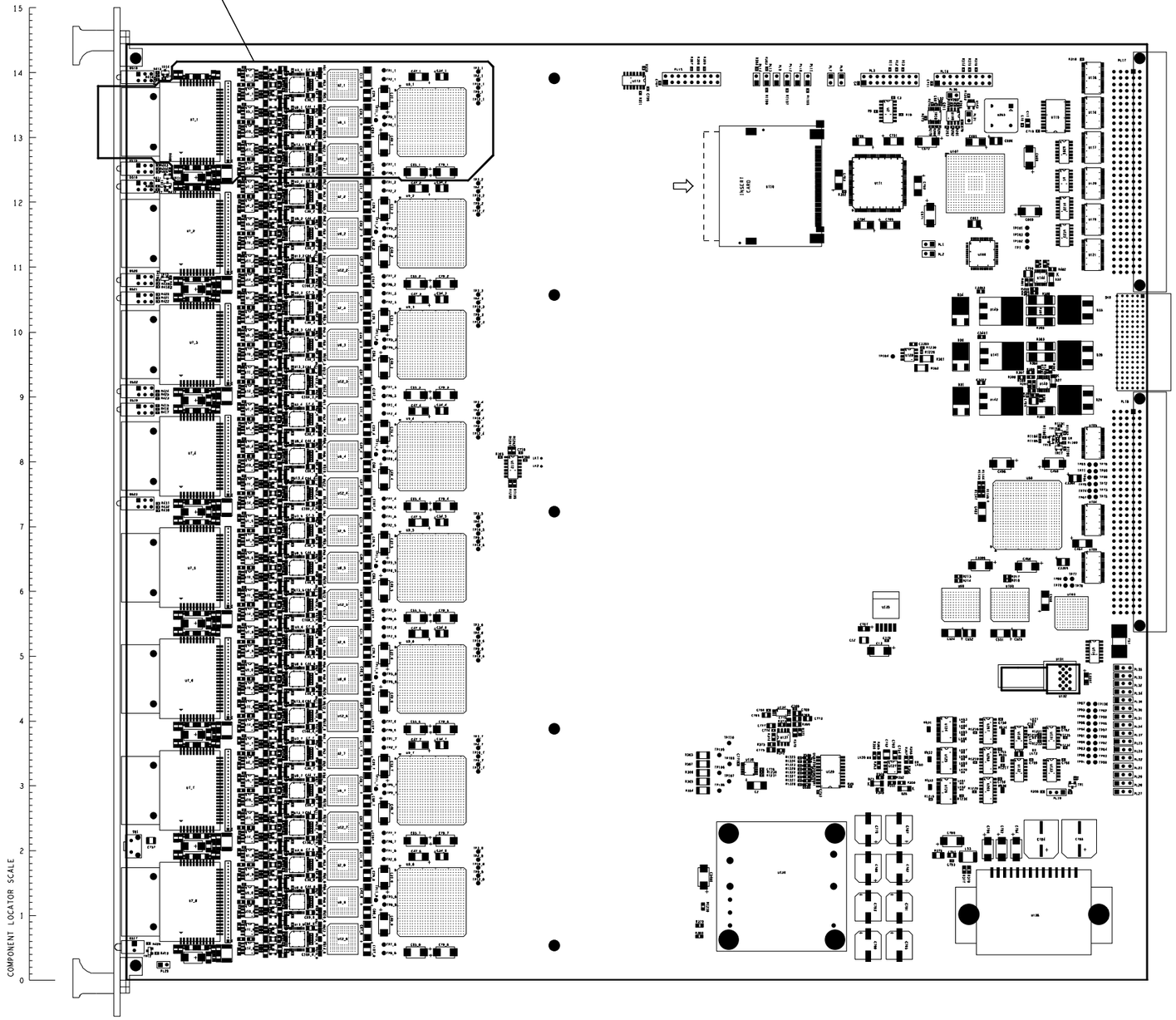
A | 1-TE-0070-022-01-A | PROJECTION | THIS DRAWING CONFORMS TO B.S. 308

BOARD VIEWED ON 'A' FACE

1 CHANNEL (COMPONENTS, TOP AND BOTTOM) REPEATED 8 TIMES
SEE NOTE 1 FOR MORE INFORMATION ON COMPONENTS



ASSEMBLY NOTES

SOLDER PASTE MASTERS AVAILABLE FOR ASSEMBLY OF SURFACE MOUNT COMPONENTS.
TOP SOLDER PASTE - PC3205M/1 S FACE
BOTTOM SOLDER PASTE - PC3205M/1 T FACE
BOTTOM ASSEMBLY DRG. AVAILABLE - A1-TE-0070-022-02-*.

1. FOR A DETAILED ASSEMBLY DRAWING OF THE CHANNELS SEE DRAWING A1-TE-070-022-03-*
   THE COMPONENT REFERENCE DESIGNATORS ARE IDENTICAL FOR EACH CHANNEL EXCEPT FOR '_*' SUFFIX, I.E. U1_1 IS IN THE SAME PLACE ON CHANNEL1 AS U1_2 IS ON CHANNEL 2
2. ENSURE CORRECT ORIENTATION OF COMPONENTS.
3. OBSERVE ELECTROSTATIC DISCHARGE PRECAUTIONS FOR COMPONENTS.
4. DO NOT FIT RESISTORS R377-R380 & R399
5. DO NOT FIT CAPACITORS C1_1-8,C26_1-8,C38_1-8,C63_1-8,C76_1-8,C100_1-8 & C3402
6. DO NOT FIT OPTO PIN DIODE U101
7. FIX OPTO DEVICES (U7_1-8) TO BOARD WITH SCREWS BEFORE SOLDERING TO BOARD.
8. FIX DC-DC CONVERTOR (U139) TO BOARD WITH SCREWS BEFORE SOLDERING TO BOARD.
9. FIX POSITIVE TO NEGATIVE CONVERTOR (U138) TO BOARD WITH SCREWS BEFORE SOLDERING TO BOARD.
10. WHEN ASSEMBLING THE 2.5V VOLTAGE REGULATOR (U135) USE SILVER LOADED EPOXY ADHESIVE (RS 224-285) BETWEEN THE LARGE TAB ON THE DEVICE AND THE LARGE PAD ON THE BOARD.

ISSUE	DATE	MOD NO.	DRAWN	CHECKED	APPROVED	STATUS
A	04-12-02	-----	C.P.DAY	D.J.BECKETT	S.TAGHAVIRAD	

TOLERANCE UNLESS STATED	FINISH: REMOVE ANY BURRS	ORIGINAL SCALE 1:1 — DO NOT SCALE
MATERIAL & SPEC	SURFACE TEXTURE micro m, √ UNLESS STATED	0 — 50 mm
USED ON		© CCLRC 2002

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COUNCIL FOR THE CENTRAL LABORATORY OF THE RESEARCH COUNCILS
RUTHERFORD APPLETON LABORATORY, CHILTON, OXON, OX11 0QX

TITLE: PC3205M — TOP ASSEMBLY
CMS TRACKER FED v1

A | 1-TE-0070-022-01-A

TOTAL NO. OF SHEETS 3

A1-TE-0070-022-01-A