A 1-TB-0059-060-04-A PROJECTION THIS DRAWING CONFORMS TO B.S.308

A 090CT97

ADHESIVE TYPE A: 2011 THERMAL EPOXY ADHESIVE
LOADED WITH BORON-NITRIDE
FOR DETAILS SEE M.GIBSON
TYPICAL THICKNESS: 0.08 mm
THERMAL CONDUCTIVITY (K) = 0.5 W/m.K

ADHESIVE TYPE B: CYANOACRYLATE ADHESIVE
TYPICAL THICKNESS: 0.01 mm
THERMAL CONDUCTIVITY (K) = 0.1 W/m.K

ADHESIVE TYPE C: ELECTRICALLY CONDUCTIVE
SILVER LOADED EPOXY
TYPICAL THICKNESS: 0.08 mm
THERMAL CONDUCTIVITY (K) = 1.0 W/m.K

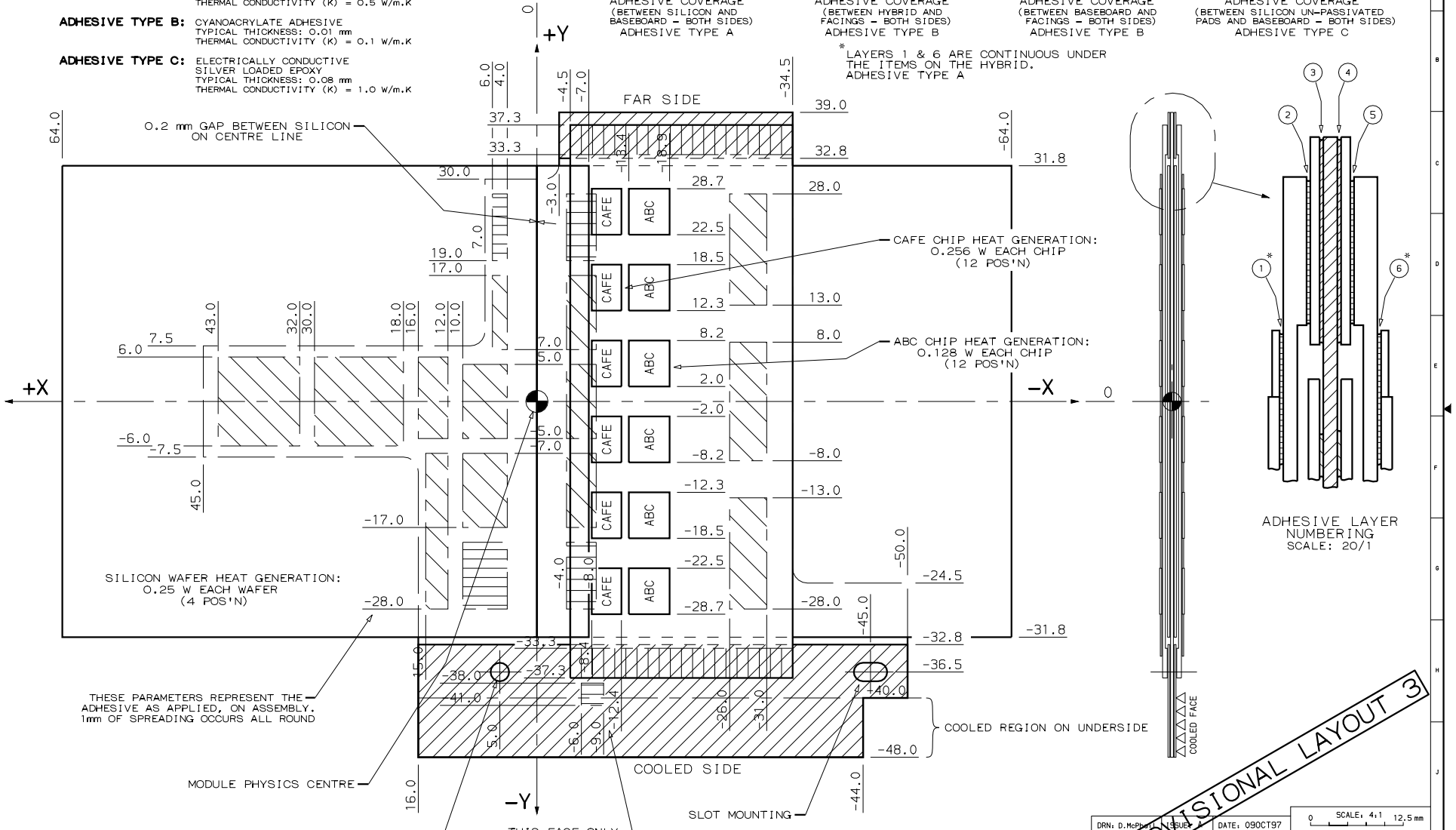
LAYERS 3 & 4 — ADHESIVE COVERAGE (BETWEEN SILICON AND BASEBOARD - BOTH SIDES) ADHESIVE TYPE A

LAYERS 2 & 5 — ADHESIVE COVERAGE (BETWEEN HYBRID AND FACINGS - BOTH SIDES) ADHESIVE TYPE B

LAYERS 2 & 5 — ADHESIVE COVERAGE (BETWEEN BASEBOARD AND FACINGS - BOTH SIDES) ADHESIVE TYPE B

LAYERS 2 & 5 — ADHESIVE COVERAGE (BETWEEN SILICON UN-PASSIVATED PADS AND BASEBOARD - BOTH SIDES) ADHESIVE TYPE C

* LAYERS 1 & 6 ARE CONTINUOUS UNDER THE ITEMS ON THE HYBRID. ADHESIVE TYPE A



ADHESIVE LAYER NUMBERING
SCALE: 20/1

ADHESIVE LAYER DETAILS
SCALE: 4/1

SEE SHEET 1 FOR LAYER DETAILS
SEE SHEET 2 FOR BASEBOARD DETAIL
SEE SHEET 3 FOR FACING BOARD DETAILS

PROVISIONAL LAYOUT 3

DRN: D.McPhail ISSUE: A DATE: 090CT97 SCALE: 4:1 0 12.5 mm

RUTHERFORD APPLETON LABORATORY, CHILTON, OXON OX11 0QX.
THE CENTRAL LABORATORY OF THE RESEARCH COUNCILS
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TITLE: SCT BARREL MODULE SCHEME
ELECTRICAL PROTOTYPE - V1.0

ATLAS INNER TRACKER CERN

A 1-TB-0059-060-04-A

SHEET 4

djm4:FK135TA:11:34:32:29-SEP-97