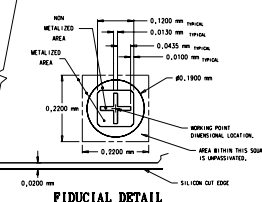
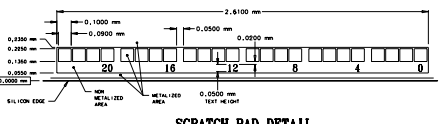
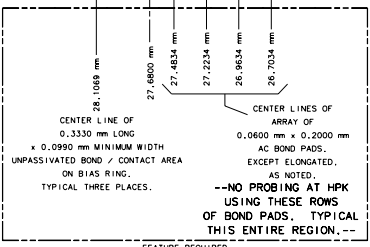


- ALL MASK FEATURES TO BE INTERPRETED AS BEING REFERENCED TO THE X - Y AXES.
- NECESSARY / REQUIRED FEATURES AND DIMENSIONS ARE SHOWN WITHIN A BORDERED AREA NOTATION: "FEATURE REQUIRED". OTHER FEATURES MAY BE CHANGED SUBJECT TO FERMI LAB REVIEW.
- SUGGESTED SENSING TRACE NUMBERING SCHEME: CONSISTS OF ARABIC NUMERALS EVERY TENTH SENSING TRACE WITH THE NUMERAL INDICATING THE TENTHS DIGIT. DOTS / SQUARES ARE USED TO INDICATE THE HUNDREDTHS DIGIT.
- ALL TRACE LINES SHOWN INDICATE THE CENTER OF THE STRIPS.
- UNPASSIVATED BOND / CONTACT / BOND PAD AREAS ARE DESCRIBED AND REQUIRED AND ARE SUBJECT TO FERMI LAB REVIEW.
- THE SILICON CUT DIMENSIONS ARE FIXED AND REQUIRED.
- THE EXPECTED ACTIVE LENGTH, ACTIVE AND CUT WIDTH AND DISTANCE FROM CUT END TO A.C. BOND PADS ARE BASED UPON HPK'S RECOMMENDATIONS. CHANGES ARE SUBJECT TO FERMI LAB REVIEW.
- VENDOR IS RESPONSIBLE FOR DETERMINING GUARD RING AND BIAS RING STRUCTURE DESIGNS, BUT THEY ARE SUBJECT TO FERMI LAB REVIEW.
- FIDUCIAL DESIGN / DETAILS MAY BE CHANGED, BUT THEY ARE SUBJECT TO FERMI LAB REVIEW.
- SENSOR IDENTIFICATION NUMBERS ARE TO BE ENCODED IN BINARY AND INDICATED ON ADJACENT SCRATCH PADS. PAD 0 IS TO BE USED FOR THE LEAST SIGNIFICANT BIT OF THE IDENTIFICATION NUMBER.



**REF. INCEPTION DRAWING:  
3823,210-ME-399382**

UNLESS OTHERWISE SPECIFIED		ORIGINATOR	W. E. COOPER	25-JAN-2002
XX	XXX	ANGLES	2	21-AUG-2002
5	5	CHECKED	K. DENHAM/PT. KLEWER	28-FEB-2003
1. WEAR ALL SHARP EDGES		APPROVED	W. E. COOPER	28-FEB-2003
2. DO NOT SCALE DRAWING		USED ON		
3. DIMENSIONS UNLESS OTHERWISE SPECIFIED		MATERIAL		
4. ALL DIMENSIONS ARE IN MM				
5. ALL SURF. FINISHES				
6. ALL SURF. FINISHES				

**FERMI NATIONAL ACCELERATOR LABORATORY**  
UNITED STATES DEPARTMENT OF ENERGY

D-ZERO RUN2B  
HPK SENSOR  
LAYERS 2 TO 5 - 639 TRACES

SCALE: DRAWING NUMBER: SHEET: REV: 1 OF 1  
3823,210-ME-399565

CREATED WITH: Idecv33 GROUP: PRO/MECHANICAL DEPARTMENT