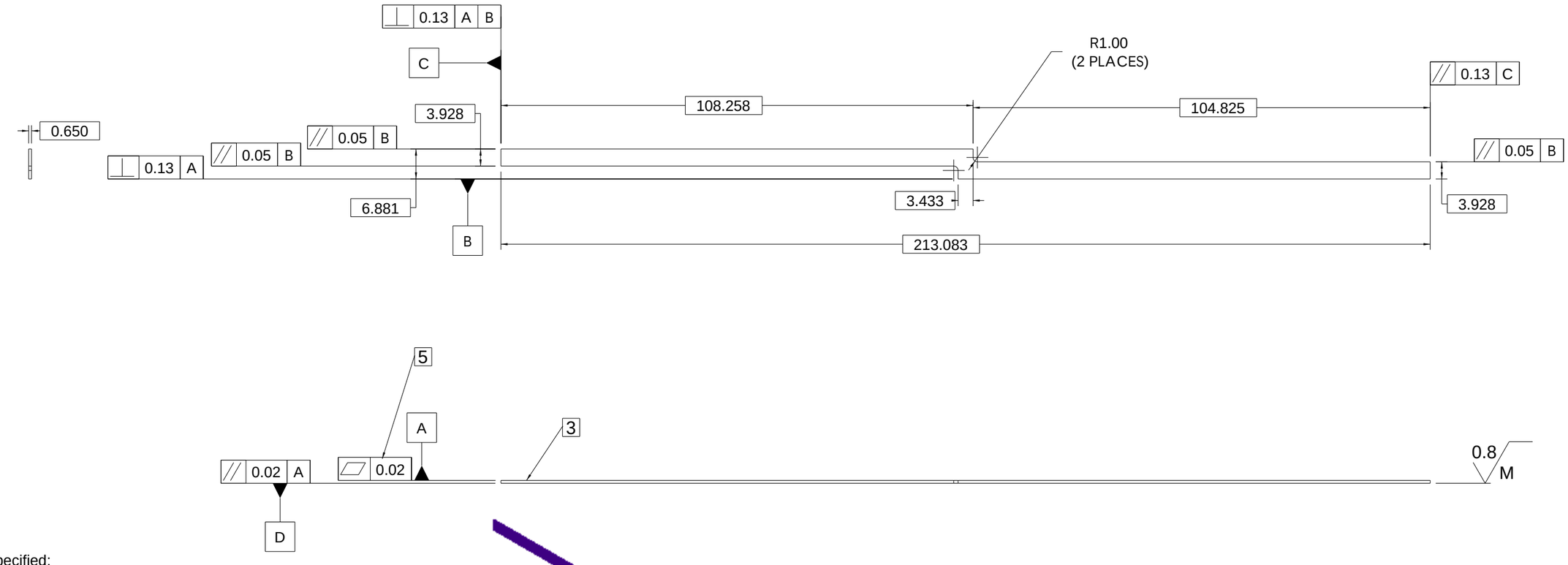
THIS DOCUMENT WAS PRODUCED IN SOLIDWORKS 2006

THIRD ANGLE PROJECTION

100% OF PARTS TO BE INSPECTED

REVISIONS ⟨#⟩					
REV.	ECN#	ZONE	DESCRIPTION	DATE	APPROVED
5			CHANGED NOTES, ADDED DATUM -D-, ADDED "100% OF PARTS . . .", MATERIAL AND FINISH NOTE CHANGED.	2/13/2007	
6			NOTES 3, 4, 6, AND 7 CHANGE, SURFACE ROUGHNESS ADDED TO SURFACE -D-	2/28/2007	



NOTES
Unless otherwise specified:

1) Dimensions are to be interpreted per ASME Y14.5M-1994.

2) Material:
All materials meet NASA outgassing spec SP-R-0022A: TML<1.0%, CVCM<0.1%.
a) Substrate: AlN ceramic
b) Z-slab metallization: Thick-film or thin-film Au

3) Finish
a) Z-slab metallization: Au top surface, 0.63um thick; suitable for ultrasonic wedge bonding with 33um (1.3 mil) diameter Al wire
b) Surface roughness: 0.4~0.8um on face -D-.

4) Environmental Requirements: Passes 10 temperature cycles -30 C to +100 C, slew rate | 5 C|/minute without cracking, crazing, peeling, blistering, flaking, or delaminating of any layer.

5) Flatness measured on vacuum chuck with 0.5 ATM vacuum pressure. Thickness uniformity measured every 10mm along the length of the slab.

6) Workmanship:
a) Ceramic substrate: Chipouts 0.5mm wide max.

7) Packaging ESD-safe and suitable for class-100 cleanrooms. Tag with part number and revision level.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS
TOLERANCES ARE:
DECIMALS .X ± -.1 .XX ± -.07 .XXX ± -.025
ANGLES ± 5°
FRACTIONS X/X ± 1/32
MATERIAL 2
FINISH 3
DO NOT SCALE DRAWING

CAD GENERATED DRAWING, INTERPRET DRAWING PER ASME Y14.5M 1994

APPROVALS	DATE
DRAWN M. VASQUEZ	1/4/07
CHECKED	
RESP ENG M. VASQUEZ	1/4/07
MFG ENG	
QUAL ENG	

Fairchild Imaging
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Milpitas, CA 95035

TITLE:
Z-SLAB, PAN
CCD21241

SIZE B | DWG. NO. 30954-8-05 | REV. 6

SCALE: 1/1 | CAGE CODE: 0BED2 | SHEET 1 of 1