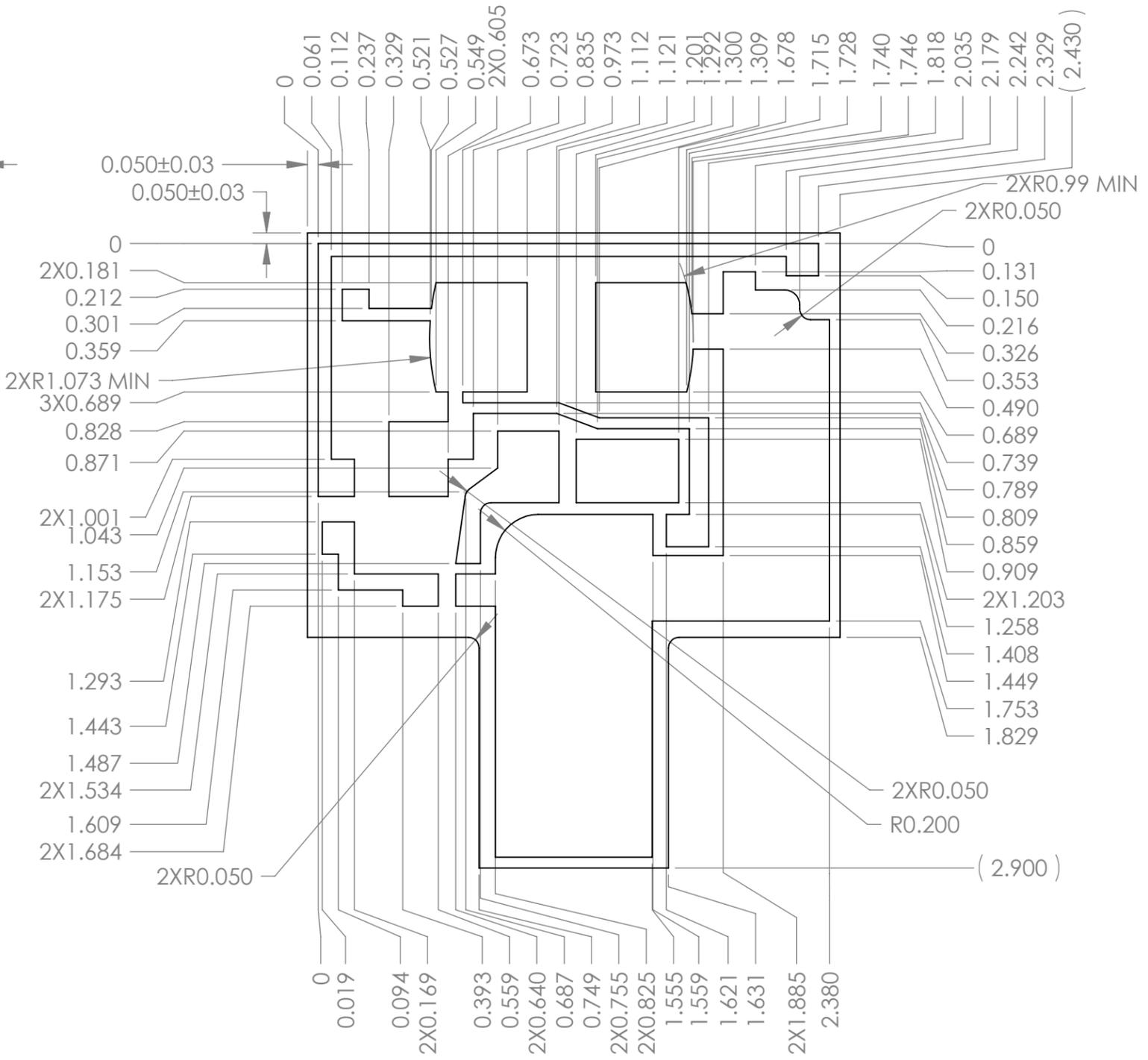
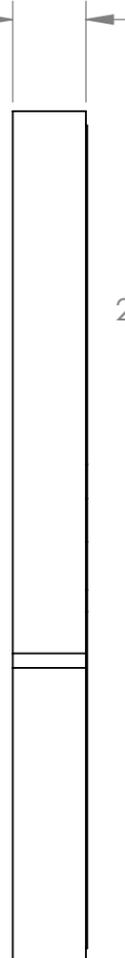
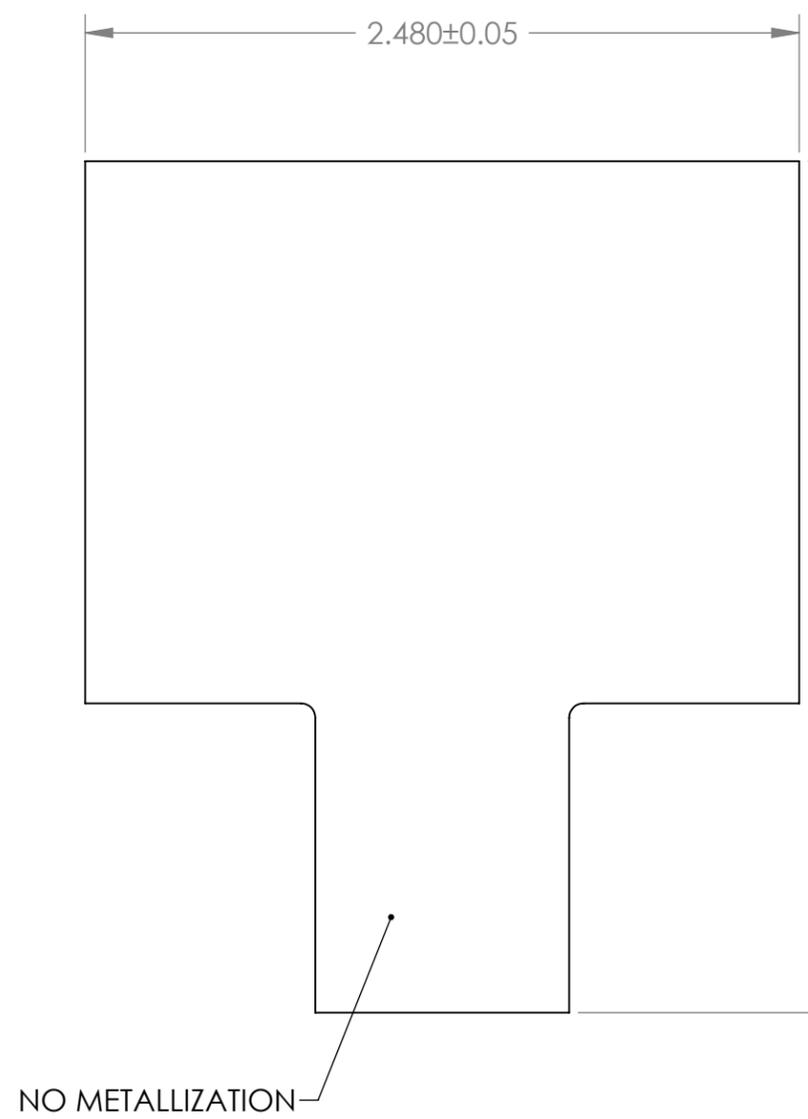


REV	ECO	DESCRIPTION	DRAWN	DATE	APPR.
A	84710	SEE ECO	MA	12/19/2011	MA
A1	85702	SEE ECO	MA	1/13/2012	MA
A2	86157	SEE ECO	MA	1/27/2012	MA



0.254±0.01
SUBSTRATE PLUS
FRONT SIDE METAL



FRONT SIDE METAL

METRIC DRAWING

PART NUMBER	1141557	DRAWN	MA	DATE	10/08/09	Finisar
MATERIAL	SEE NOTE	CHECKED		DATE		
FINISH	SEE NOTE	RESP ENG	MA	DATE	10/08/09	SUBSTRATE, LF, CERAMIC, TOSA, INTEGRATED DRIVER, 10G/14G
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THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING		B	1141557	A2
				SCALE 40:1	CAD FILE 1141557	SHEET 1 OF 2

NOTES:

1. SUBMOUNT MATERIAL

- 1.1 POLISHED (Ra < 3uIN OR 0.076um) AlN ALUMINUM NITRIDE.
- 1.2 THERMAL CONDUCTIVITY - 170W/m-K



- 2. CRITICAL DIMENSIONS FOR INCOMING INSPECTION ARE IDENTIFIED WITH A TRIANGLE.
- 2.1 CRITICAL TO FUNCTION DIMENSIONS USED FOR SPC ARE IDENTIFIED WITH AN INSPECTION BUBBLE.
- 2.2 USE MATCHING DWG OR DXF FILES FOR MASK GENERATION AND FOR DIMENSIONS NOT DETAILED IN THIS DRAWING.

3. METALLIZATION

3.1 FRONT SIDE ONLY

- LAYER #1: TITANIUM or TiW NOMINAL THICKNESS 0.1um nominal
- LAYER #2: PALLADIUM NOMINAL THICKNESS 0.2um nominal
- LAYER #3: TYPE III WIRE BONDABLE Au, GOLD, THICKNESS 2.0 to 6.0um

3.2 NO BLISTERING ON METALLIZATION AFTER TEST ON HOT PLATE AT 450°C ± 10°C IN AIR.

4. UNLESS OTHERWISE SPECIFIED THE TOL. = ±0.020.

5. METAL LIFT

- 5.1 UNLESS OTHERWISE SPECIFIED PULL BACK METALLIZATION ON ALL EDGES TO AVOID METAL LIFT OFF DURING DICING.
- 5.2 BACKSIDE METAL PULL BACK NOT REQUIRED.
- 5.3 NO USE OF CYANOACRILATES OR OTHER ADHESIVES FOR BONDING SUBSTRATES TO OTHER PARTS DURING DICING.

6. PACKAGING:

- 7.1 ALL SUBSTRATES SUPPLIED IN ESD 2"X2" WAFFLE PACKS, VACUUM PACKED. EACH WAFFLE PACK TO CONTAIN 80 PCS UNLESS OTHERWISE APPROVED FROM FINISAR.
- 7.2 EACH WAFFLE PACK TO BE LABELED AT LEAST WITH SUPPLIER LOT NUMBER, MANUFACTURING DATE, QUANTITY AND FINISAR PN AND REV

PART NUMBER	1141557	DRAWN	MA	DATE	10/08/09	Finisar	
MATERIAL	SEE NOTE	CHECKED		DATE			
FINISH	SEE NOTE	RESP ENG	MA	DATE	10/08/09	SUBSTRATE, LF, CERAMIC, TOSA, INTEGRATED DRIVER, 10G/14G	
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THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING				B	1141557
						SCALE 8:1	CAD FILE 1110044
						REV	A2
						SHEET 2 OF 2	