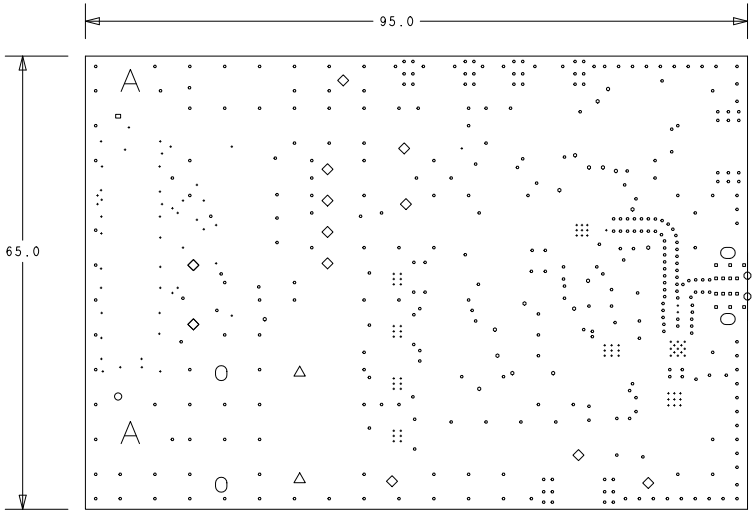
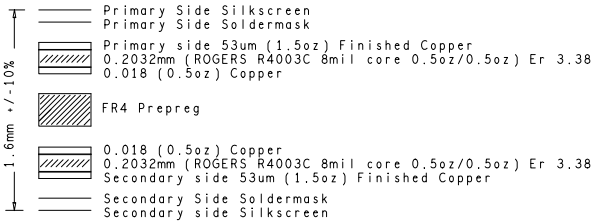
PRIMARY SIDE

REVISION			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	25/08/15	R.Brennan



Fabrication Drawing

4 LAYER ROGERS RO4003C/FR4 COMBINATION STACKUP
50 OHM IMPEDANCE CONTROLLED STACKUP (1.6mm +/- 10%)



DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILLIMETERS			
FIGURE	FINISHED_SIZE	PLATED	QTY
·	0.254	PLATED	114
·	0.4064	PLATED	14
·	0.4064	PLATED	363
·	0.508	PLATED	18
○	0.9906	PLATED	2
◇	1.6002	PLATED	12
△	1.905	PLATED	2
○	2.1082	PLATED	2
○	2.159	PLATED	2
▫	0.7112	NON-PLATED	1
○	1.0922	NON-PLATED	1
A	3.175	NON-PLATED	2

HOLE TOLERANCE

UNLESS SPECIFIED
PLATED: +/- 0.0762mm
NON PLATED: +/- 0.0254mm

FABRICATION NOTES:

1. Material: Four layer, RO4003C/FR4 combination - See stackup diagram above.
   Board to be fabricated per IPC-6012A, CLASS 2.
2. Plated thru holes and conductive pattern electroplated with 0.255mm min. thick copper.
   Terminal areas and plated thru holes to be ENIG plated.
3. Processing tolerence:
   A. Conductive pattern front to back registration within 0.125mm total.
   B. Minimum annual ring surrounding holes 0.05mm.
   C. Finished conductive pattern to be within 0.05mm of true size.
   D. Minimumfeature size 0.1mm
   E. Minimum air gap 0.15mm
4. Warp and twist within 0.1875mm per 25mm (0.75%)
5. Dimensions are for the finished part.
6. SOLDERMASK: liquid Photo Imeagable soldermask over bare copper (SMOBC),
   colour GREEN both sides using the pattern provided. No mask is permitted on the terminal areas.
   Soldermask to etch registration within 0.125mm total.
7. SCREENING: Screen component outlines and nomenclature using indelible white ink on both sides.
   Nomenclature shall be legible. Screen to etch registration within 0.15mm total.
8. Electrically test 100%.
9. Break all sharp edges 0.35mm Radius max.
10. The stackup and trace/gap widths are designed to achieve 50-ohm impedance controlled traces
    on Layer 1 using "Grounded Co-Planar Waveguide" technology.
    Trace Width: 0.381mm traces on Layer 1 (Component Side).
    Trace/Copper gap: 0.310mm
    Dielectric Material - 0.008" Rogers 4003C
    Er of Material: 3.38
11. The bare board manufacturer shall provide proof of measurement of impedance
12. Manufacturer UL and Date codes on the bottom side as soldermask relief as indicated.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS .XX +-.010 .XXX +-.005 FRACTIONS +-1/32 ANGLES +/- 2

FABRICATION

APPROVAL	DATE
DRAWN BY P.Duignan	13/10/17
DESIGNED Dean Young	13/10/17
CHECKED	
APPROVED	
WFG ENGINEER	

MATERIAL

FINISH

DO NOT SCALE DWG

ANALOG DEVICES

ANALOG INC.
Raheen Business Park
Raheen, LIMERICK
IRELAND

TITLE

EV-ADF41513SD2Z

SIZE	FSCM NO	DRAWING NUMBER	REV
C		09-048052-01	A

SCALE NTS

SHEET 1 OF 1