



Excellence in Compliance Testing

Certification Exhibit

**FCC ID: R7PIWRS5
IC: 5294A-IWRS5**

**FCC Rule Part: 15.247
IC Radio Standards Specification: RSS-210**

ACS Project Number: 12-0336

**Manufacturer: Landis+Gyr Technology, Inc.
Model: Gridstream Series-5 IWR**

Label Information

- 1. FABRICATE IN ACCORDANCE WITH IPC-6012 AND IPC-A600, CLASS 2.
- 2. MATERIAL: ISOLA 370 HR OR VENTEC VT47 ONLY, 180 ROHS SAFE, DIELECTRIC CONSTANT OF 4.3 +/-0.2 @ 1 GHZ, MEET OR EXCEED UL94-V0 FLAMMABILITY.
- 3. CORE LAMINATE MUST CONFORM TO IPC-4101 W/ MOISTURE ABSORPTION LEVEL <=0.35% PER IPC TM 650 2.6.2.1.

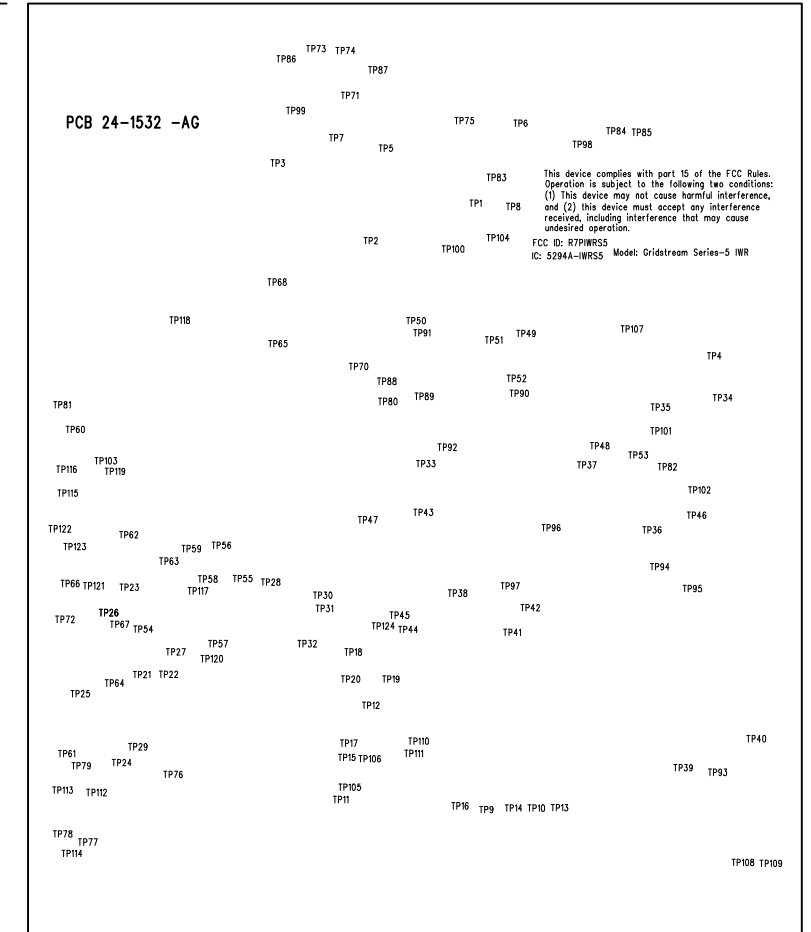
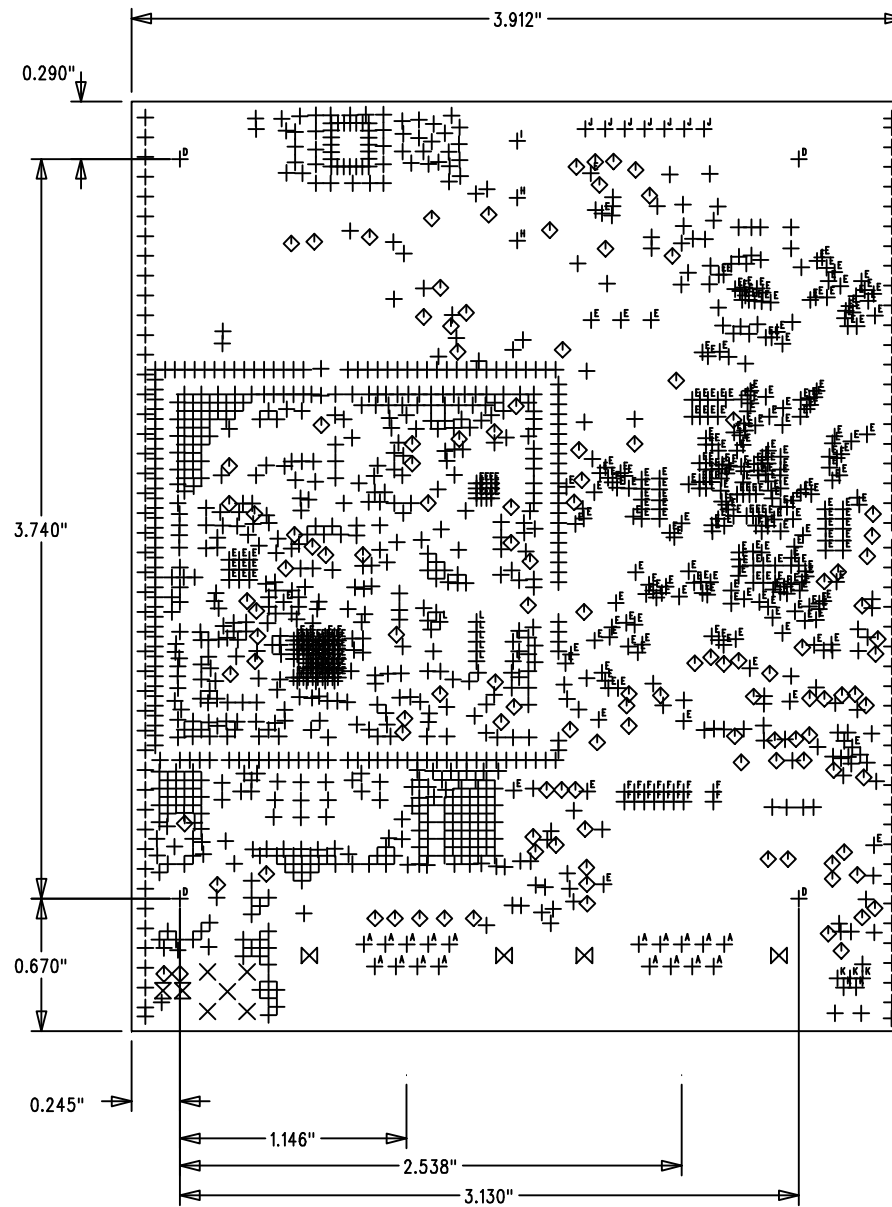
LANDIS+GYR WILL TEST PCBs AT 85c AND 85% RELATIVE HUMIDITY FOR 1000 HOURS.

THE NETS WILL BE BOTH POWERED AND UNPOWERED DURING THE TESTING. PCB MUST MEET BOTH MECHANICAL AND ELECTRICAL SPECIFICATIONS AFTER TESTING AND HAVE NO SHORTED NETS, NO ORGANIC RESIDUE, NO FUGNUS GROWTH, NO DELAMINATION, AND NO CONDUCTIVE ANODIC FILAMENT (CAF) FORMATION.

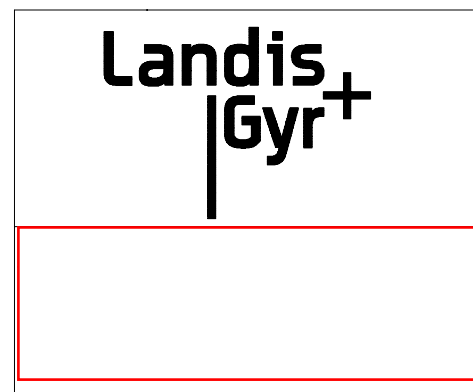
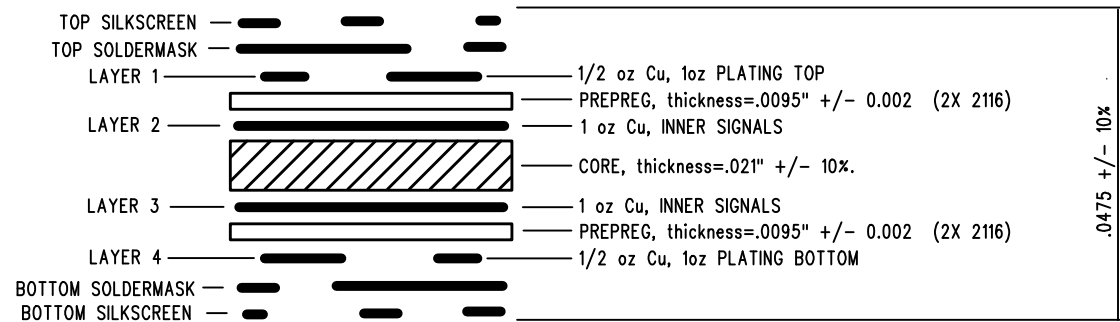
- 4. PLATING IN HOLES TO BE PER IPC
- 5. HOLE SIZES SHOWN IN DRILL CHART ARE FINISHED HOLE SIZES AND PLATED UNLESS OTHERWISE INDICATED
- 6. HOLE LOCATIONS +/-0.003", MAX LAYER TO LAYER MISREGISTRATION SHALL BE .005
- 7. SOLDERMASK, GREEN BOTH SIDES. SILKSCREEN WHITE BOTH SIDES AS APPLICABLE. VENDOR TO MICRO MODIFY AS NEEDED.
- 8. VENDOR TO SILKSCREEN LOGO, LOT, AND UL RATING IN SUITABLE LOCATION.
- 9. DRAWING IS VIEWED FROM COMPONENT OR PRIMARY SIDE.
- 10. FEATURE GROWTH OR REDUCTION TO BE NO GREATER THAN +/-0.002" OF GERBER DATA FABRICATOR SHALL ADJUST FOR MANUFACTURING PROCESS
- 11. UN-USED INNER LAYER PADS MAY BE REMOVED BY FABRICATOR.
- 12. ELECTRICAL TESTING TO BE NETLIST TEST WITH 100% COVERAGE OF NETS, INCLUDING TESTPADS ON THE SOLDER SIDE OF PCB. PRODUCTION TEST PARAMETERS: INPUT VOLTAGE 40V MINIMUM
- 13. NO ADDITIONAL COPPER MARKINGS OR BALANCING SHALL BE ADDED TO THE PCB.
- 14. PCB SOLDER FINISH OPTIONS

- ELECTROLESS NICKEL IMMERSION GOLD (ENIG). COATING/PLATING SHALL BE
 - MINIMUM 0.000002" THICKNESS GOLD OVER MINIMUM THICKNESS 0.0001" NICKEL.
 - HOT AIR SOLDER LEVELED (HASL) - 63/37 EUTECTIC. MUST MEET IPC 650 TESTING METHODS
 - ROHS COMPATIBLE , SILVER TIN

Drill Drawing



NOTE: ASSUMED VALUES AND FINISHED DIMENSIONS ARE AS FOLLOWS:



TITLE: IWR, Series V

- 1. DIMS.ARE AFTER FINISH IN INCHES (MM) UNLESS SPECIFIED
- 2. TOLERANCES FOR DIMENSIONED FEATURES:
 - .X +/-0.1
 - .XX +/-0.01
 - .XXX +/-0.005
 - X ° +/-1°
 - XX ° +/-0.5°
- 4. ANGLE TOLERANCE DOES NOT APPLY TO IMPLIED 90 ANGLES
- 5. DIMENSIONING AND TOLERANCING TO BE IN ACCORDANCE WITH ASME Y14.5M-1994

APPROVED BY: XXXXXXXXXXXX	DATED: -	SIZE: B
DRAWN BY: FWH	DATED: *****	SHEET: 1 OF 1
DRAWING NO. 24-1532		REVISION: AG

UNCONTROLLED