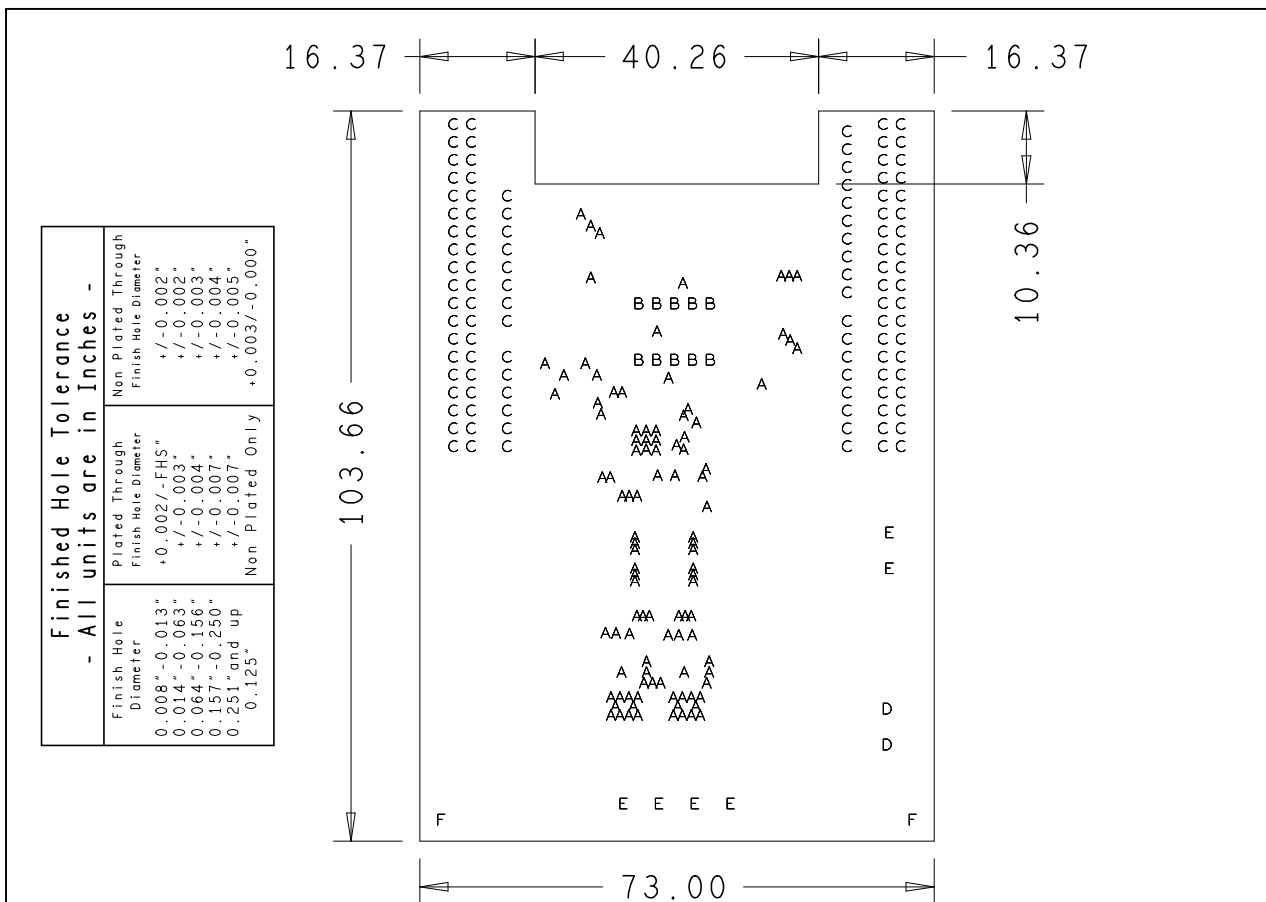




FABRICATION NOTE:

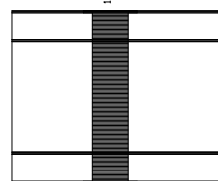
- 1:FABRICATE USING LATEST REVISION OF IPC-6012B CLASS 2 OR ABOVE
- 2:FABRICATE USING MASTER ARTWORK EVLDRIVE121 R1 FOR CIRCUIT PATTERN
NO DEVIATION FROM MASTER ARTWORK ARE PERMITTED WITHOUT WRITTEN APPROVAL FROM AN AUTHORIZED STM REPRESENTATIVE
- 3:VENDOR MUST BE UL QUALIFIED AND BOARDS MUST BE IDENTIFIED WITH APPROPRIATE VENDOR UL IDENTIFICATION MARK, LOT OR JOB NUMBER AND PCB MATERIAL FLAMMABILITY RATING (94V-0) MINIMUM
- 4:MATERIAL: FR4 RoHS COMPLIANT MINIMUM 170 C
SEE "DETAIL 'A'" FOR BOARD THICKNESS, COPPER WEIGHT AND LAYER CONSTRUCTION
- 5:SOLDER MASK BOTH SIDE OF BOARD WITH LIQUID PHOTO IMAGEABLE PER IPC-SM-840 (LATEST LEVEL), CLASS H. COLOR: BLUE
- 6:FINISH: ENIG Au>0.05u 3u<Ni<5u
- 7:FOR SMT COMPONENTS WITH PIN PITCH OF 0.019 INCH OR MORE NO GANG RELIEF OF SOLDER MASK IS ALLOWED
- 8:SILKSCREEN TO BE WHITE, NON CONDUCTIVE, EPOXY INK OR EQUIVALENT
- 9:THIS IS NOT A CONTROLLED IMPEDANCE BOARD
- 10:DESIGNATED AREA OR INSPECTION AND TEST STAMP
- 11:ON PCB MUST BE IDENTIFIED MANUFACTURER LOGO AND PCB TYPE
(MEANS OF MATERIAL TYPE INDICATED ON THE YELLOW CARD DOCUMENT)
- 12:VENDOR TO PROVIDE BOARD STACK-UP AND IMPEDANCE (IF REQUIRED) APPROVAL PRIOR TO BOARD FABRICATION, STACK UP AND IMPEDANCE (IF REQUIRED) TO INCLUDE COPPER PLATING ON OUTER LAYERS, FAB DRAWING STACK-UP DIMENSION ARE PROVIDED FOR REFERENCE ONLY
VENDOR TO PROVIDE BOARD FOR IMPEDANCE TEST RESULTS AND COUPON (IF REQUIRED)
- 13:TEARDROPPING OF VIAS AND PADS ALLOWED AT PAD TO TRACE INTERSECTION
TO INSURE A 2MIL ANULAR RING AT THE JUNCTION
- 14:REMOVE SILKSCREEN FROM SOLDERABLE SURFACE
- 15:ALL BOARD TO BE 100% ELECTRICALLY NETLIST TESTED FOR OPENS AND SHORTS. APPLY TEST STAMP IN REFERENCED AREA
- 16:THIS BOARD SHALL BE FULLY COMPLIANT WITH UL796

DRILL CHART: TOP to BOTTOM

ALL UNITS ARE IN MILS

FIGURE	FINISHED_SIZE	PLATED	QTY
A	12.0	PLATED	102
B	35.0	PLATED	10
C	44.0	PLATED	108
D	51.0	PLATED	2
E	55.0	PLATED	6
F	125.98	NON-PLATED	2

DETAIL 'A'



DESIGN CROSS SECTION CHART
TOTAL THICKNESS 63.08 MIL

- * SURFACE - AIR 0 MIL
- L1 TOP CONDUCTOR - 1OZ COPPER 1.4 MIL
- * DIELECTRIC - FR-4 9.45 MIL
- L2 GND CONDUCTOR - 1OZ COPPER 1.4 MIL
- * DIELECTRIC - FR-4 38.58 MIL
- L3 PWR CONDUCTOR - 1OZ COPPER 1.4 MIL
- * DIELECTRIC - FR-4 9.45 MIL
- L4 BOTTOM CONDUCTOR - 1OZ COPPER 1.4 MIL
- * SURFACE - AIR 0 MIL

REVISION DATE

	Description		Symbol	
	Piano di foratura e scontornatura		STDRIVE121	
		Group		EVLDRIVE121
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		linear		SCALE: REV. 1.0
Drawn	date	midle	Material	
IFARCAD	15-05-2026	accurate		
Approved	date		Treatment and surface finishing	