

FABRICATION NOTE:

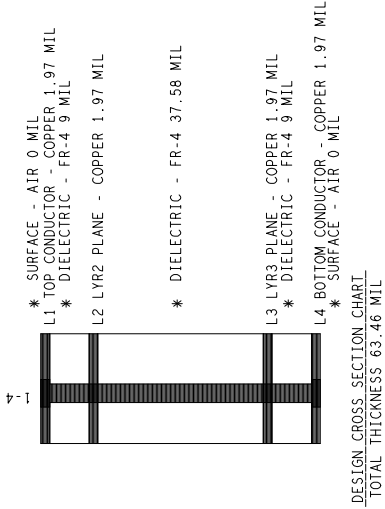
- 1:FABRICATE USING LATEST REVISION OF IPC-6012A CLASS 2 OR ABOVE
- 2:FABRICATE USING MASTER ARTWORK EVLDRIVE102BH R1 FOR CIRCUIT PATTERN NO DEVIATION FROM MASTER ARTWORK ARE PERMITTED WITHOUT WRITTEN APPROVAL FROM AN AUTHORIZED STMicroelectronics REPRESENTATIVE
- 3:VENDOR MUST BE UL QUALIFIED AND BOARDS 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 125 C
- SEE "DETAIL "A"" FOR BOARD THICKNESS, COPPER WEIGHT AND LAYER CONSTRUCTION
- 5:BLUE SOLDER MASK BOTH SIDE OF BOARD WITH LIQUID PHOTO IMAGEABLE SOLDERMASK
- 6:FINISH: HAL Lead Free
- 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:ON BOTTOM PCB MUST BE IDENTIFIED MANUFACTURER LOGO AND PCB TYPE (MEANS OF MATERIAL TYPE INDICATED ON THE YELLOW CARD DOCUMENT)
- 11:VENDOR TO PROVIDE BOARD STACK-UP FOR IMPEDANCE APPROVAL PRIOR TO BOARD FABRICATION, STACK UP AND IMPEDANCE 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
- 12:TEARDROPPING OF VIAS AND PADS ALLOWED AT PAD TO TRACE INTERSECTION TO INSURE A 2MIL ANULAR RING AT THE JUNCTION
- 13:REMOVE SILKSCREEN FROM SOLDERABLE SURFACE
- 14:ALL BOARD TO BE 100% ELECTRICALLY NETLIST TESTED FOR OPENS AND ON SHORTS. APPLY TEST STAMP IN REFERENCED AREA
- 15:THIS BOARD SHALL BE FULLY COMPLIANT WITH UL796

DRILL CHART: TOP To BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	FINISHED SIZE	PLATED	QTY
A	13.0	PLATED	274
B	35.43	PLATED	7
C	40.0	PLATED	80
D	55.0	PLATED	5

TOTAL HOLES: 366

Finished Hole Tolerance - All units are in Inches -		
Finish Hole Diameter	Plated Through Finish Hole Diameter	Non Plated Through Finish Hole Diameter
0.008" -0.013"	+0.002/-FHS"	+/-0.002"
0.014" -0.063"	+/-0.003"	+/-0.002"
0.064" -0.156"	+/-0.004"	+/-0.003"
0.157" -0.250"	+/-0.007"	+/-0.004"
0.251" and up	+/-0.007"	+/-0.005"
0.125"	Non Plated Only	+0.003/-0.000"

DETAIL "A"



REVISION DATE



APMS Group AGRATE B. ITALY

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Drawn Rigo M. date 26-Feb-2024

Approved date

Description
DRILLING AND PROFILING

Symbol

EVLDRIVE102BH

Group

STDRIVE102

ISO

SCALE: 1 : 1

REV. 1.0

Tolerance UNLESS NOTED UNIT=MM (MILS)

linear 0 <10 >10 >50 >200

ANG. LES. <10 <50 <200 >200

Material

Treatment and surface finishing