

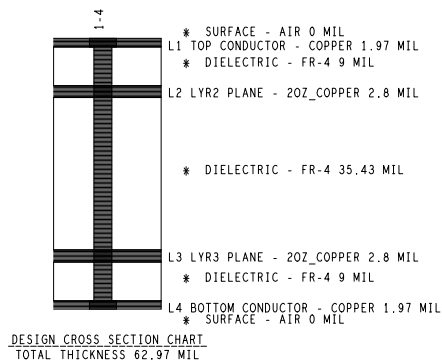
#### FABRICATION NOTE:

- 1:FABRICATE USING LATEST REVISION OF IPC-6012 CLASS 2 OR ABOVE
- 2:FABRICATE USING MASTER ARTWORK EVLSTDRIVEG610Q R2 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 130 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: GREEN
- 6:FINISH: HAL LF RoHS COMPLIANT
- 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 SMB PCB MUST BE IDENTIFIED MANUFACTURER LOGO AND PCB TYPE  
(MEANS OF MATERIAL TYPE INDICATED ON THE YELLOW CARD DOCUMENT)
- 11:TEARDROPPING OF VIAS AND PADS ALLOWED AT PAD TO TRACE INTERSECTION  
TO INSURE A 2MIL ANULAR RING AT THE JUNCTION
- 12:REMOVE SILKSCREEN FROM SOLDERABLE SURFACE
- 13:ALL BOARD TO BE 100% ELECTRICALLY NETLIST TESTED FOR OPENS AND ON  
SHORTS. APPLY TEST STAMP IN REFERENCED AREA
- 14:THIS BOARD SHALL BE FULLY COMPLIANT WITH UL796

#### 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"





#### DRILL CHART: TOP to BOTTOM

ALL UNITS ARE IN MILS			
FIGURE	FINISHED SIZE	PLATED	QTY
A	13.0	PLATED	138
B	31.5	PLATED	19
C	35.43	PLATED	27
D	39.37	PLATED	6
E	49.2	PLATED	2
F	51.18	PLATED	2
G	55.0	PLATED	2
H	82.68	PLATED	2
I	122.05	NON-PLATED	4
Ø	70.0x40.0	PLATED	6

TOTAL HOLES: 208

REVISION DATE | 22-Apr-24 |

REVISION DATE		DATE		DESCRIPTION		SYMBOL				
		Description  EVLSTDRIVEG610Q  DRILLING AND PROFILING				Symbol  STDRIVEG610				
						Group				
ASP - APMS Group ITALY		TOLERANCE UNLESS NOTED UNIT=MM				ISO 		SCALE: 1:1	REV. 2.0	
ALL RIGHTS STRICTLY RESERVED. REPRODUCTION OR ISSUE TO THIRD PARTIES IN ANY FORM WHATEVER IS NOT PERMITTED WITHOUT WRITTEN AUTHORIZATION FROM STMicroelectronics.						linear		0 <10	>10 <50	>50 <200
		midle		±0.1	±0.2	±0.3	±0.5	±1°		
Drawn M. RIGO		date 03-July-2023		Treatment and surface finishing						
Approved		date						accurate		±0.05