

# FABRICATION NOTE:

- 1:FABRICATE USING LATEST REVISION OF IPC-6012 CLASS 2 OR ABOVE
- 2:FABRICATE USING MASTER ARTWORK EVLSTDRVG600DG R2.1 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 BOTTOM 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% ELECTRICALY NETLIST TESTED FOR OPENS AND ON SHORTS. APPLY TEST STAMP IN REFERENCED AREA
- 14:THIS BOARD SHALL BE FULLY COMPLIANT WITH UL796


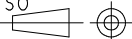
Finished Hole Tolerance - All units are in Inches -		
Finish Hole Diameter	Plated Through Finish Hole Diameter	Non Plated Through Finish Hole Diameter
0.008"-0.013"	+0.002/-FHS"	+/-0.002"
0.014"-0.063"	+/-0.003"	+/-0.002"
0.064"-0.156"	+/-0.004"	+/-0.003"
0.157"-0.250"	+/-0.007"	+/-0.004"
0.251" and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

## DETAIL 'A' LAYER BUILD UP (reference only)

	Cu FOIL - 35u
	CORE - 302u
	Cu FOIL - 35u
	Prepeg - 900u
	Cu FOIL - 35u
	CORE - 302u
	Cu FOIL - 35u

(external Cu th are after plating)  
estimated total thickness 1600u

DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	FINISHED SIZE	PLATED	QTY
A	13.0	PLATED	99
B	31.5	PLATED	27
C	35.43	PLATED	27
D	55.0	PLATED	2
E	122.05	NON-PLATED	4

REVISION DATE		11-Dec-2020	12-Oct-2021											
				Description  EVSTDRIVEG600DG					Symbol STDRIVEG600D					
									Group					
I&PC Division		AGRATE B. ITALY		TOLERANCE UNLESS NOTED UNIT=MM					ISO 		SCALE:		REV. 2.1	
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Drawn M. RIGO		date 09-Sept-2019		midle		±0.1	±0.2	±0.3	±0.5	±1°	Treatment and surface finishing			
Approved		date		accurate		±0.05	±0.1	±0.15	±0.25	±30°				