

#### FABRICATION NOTE:

- 1:FABRICATE USING LATEST REVISION OF IPC-6012 CLASS 2 OR ABOVE
- 2:FABRICATE USING MASTER ARTWORK EVSDRIVEG600DM-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 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

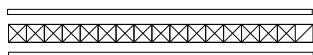
#### Finished Hole Tolerance

- 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'

LAYER BUILD UP  
(reference only)



Cu FOIL - 70u  
Core - 1500u  
Cu FOIL - 70u

(external Cu th are after plating)  
estimated total thickness 1650u


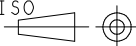
#### DRILL CHART: TOP to BOTTOM

ALL UNITS ARE IN MILS

FIGURE	FINISHED_SIZE	PLATED	QTY
A	13.0	PLATED	128
B	31.5	PLATED	20
C	35.43	PLATED	20
D	43.31	PLATED	2
E	51.0	PLATED	2
F	55.0	PLATED	5
G	82.68	PLATED	2
H	122.05	NON-PLATED	4

TOTAL HOLES: 183

REVISION DATE | 11-Jan-21 |

		Description <b>EVSTDRIIVEG600DM</b> DRILLING AND PROFILING						Symbol STDRIIVEG600D			
I&PC Division      AGRATE B. ITALY								Group			
ALL RIGHTS STRICTLY RESERVED. REPRODUCTION OR ISSUE TO THIRD PARTIES IN ANY FORM WHATEVER IS NOT PERMITTED WITHOUT WRITTEN AUTHORIZATION FROM STMicroelectronics.		TOLERANCE UNLESS NOTED UNIT=MM						SCALE:	REV. 2.0		
		linear	0 <10	>10 <50	>50 <200	>200	ANG. LES.	Material			
		Drawn M. RIGO	date 29-Oct-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°	