

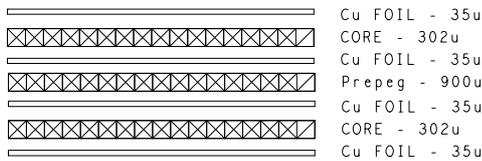
FABRICATION NOTE :

- 1:FABRICATE USING LATEST REVISION OF IPC-6012 CLASS 2 OR ABOVE
- 2:FABRICATE USING MASTER ARTWORK EVSDRIVEG60015 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 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% 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)



(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	43.31	PLATED	2
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

TOTAL HOLES: 167

REVISION DATE										
		Description						Symbol		
		EVSDRIVEG60015						STDRIVEG60015		
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					SCALE:	REV. 1.0
				UNIT=MM						
Drawn	date	linear	0 <10	>10 <50	>50 <200	>200	ANG. LES.	Material		
M. RIGO	03-fEB-2022	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°			