

FABRICATION NOTE:

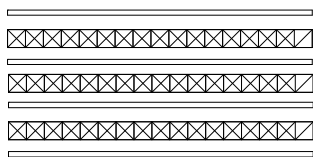
- 1:FABRICATE USING LATEST REVISION OF IPC-6012 CLASS 2 OR ABOVE
- 2:FABRICATE USING MASTER ARTWORK EVSDRIVEG60015 R1 FOR CIRCUIT PATTERN.
NO DEVIATION FROM MASTER ARTWORK ARE PERMITTED WITHOUT WRITTEN APPROVAL FROM AN AUTHORIZED STM REPRESENTATIVE
- 3:VENDOR MUST BE UL QUALIFIED AND BOARDS MUST BE IDENTIFIED 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)



Cu FOIL - 35u
CORE - 302u
Cu FOIL - 35u
Prepreg - 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	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

EVSDRIVEG60015

Symbol

STDRIVEG60015

Group

I&PC Division AGRATE B. ITALY

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TOLERANCE UNLESS NOTED
UNIT=MM



SCALE:

REV.
1.0

linear 0 <10 >10 >50 >200 >200 ANG. LES.

Material

Drawn
M. RIGO

date
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°