PCB

Board size: 40.0x47.0 mm (1.57x1.85 inches)

- This is the size of the rectangle that contains the board
- Thickness: 1.6 mm (63 mils)
- Material: FR4
- Finish: None
- Layers: 4
- Copper thickness: 35 µm

Solder mask: TOP / BOTTOM

- Color: Top: Green / Bottom: Blue

Silk screen: TOP / BOTTOM

- Color: White

Stackup:

Name	Type	Color	Thickness	Material	Epsilon_r	Loss tangent
F.SilkS	Top Silk Screen					
F.Paste	Top Solder Paste					
F.Mask	Top Solder Mask		10			
F.Cu	copper		35			
dielectric 1	prepreg		480	FR4	4.6	0.02
In1.Cu	copper		35			
dielectric 2	prepreg		480	FR4	4.0	0.02
In2.Cu	copper		35			
dielectric 3	prepreg		480	FR4	4.2	0.02
B.Cu	copper		35			
B.Mask	Bottom Solder Mask	Blue	10			
B.Paste	Bottom Solder Paste					
B.SilkS	Bottom Silk Screen					

Important sizes

Clearance: 0.2 mm (8 mils)

Track width: 0.2 mm (8 mils)

- By design rules: 0.2 mm (8 mils)

Drill: 0.4 mm (16 mils)

- Vias: 0.4 mm (16 mils) [Design: 0.4 mm (16 mils)]
- Pads: 0.5 mm (20 mils)

- The above values are real drill sizes, they add 0.1 mm (4 mils) to plated holes (PTH)

Via: 0.4/0.3 mm (16/12 mils)

- By design rules: 0.4/0.3 mm (16/12 mils)
- Micro via: no [0.2/0.1 mm (8/4 mils)]
- Burried/blind via: no

Outer Annular Ring: 0.0 mm (0 mils)

- By design rules: 0.0 mm (0 mils)

Eurocircuits class: 10C

General stats

Components count: (SMD/THT)

- Top: 60/5 (SMD + THT)
- Bottom: 2/1 (SMD + THT)

Defined tracks:

- 0.1 mm (4 mils)
- 0.4 mm (16 mils)
- 0.5 mm (20 mils)
- 1.0 mm (39 mils)

Used tracks:

- 0.2 mm (8 mils) (441) defined: no
- 0.25 mm (10 mils) (1) defined: no
- 0.5 mm (20 mils) (13) defined: yes

Defined vias:

- 0.4/0.3 mm (16/12 mils)
- 0.6/0.3 mm (24/12 mils)

Used vias:

- 0.4/0.3 mm (16/12 mils) (Count: 34, Aspect: 4.0 A) defined: yes
- 0.6/0.3 mm (24/12 mils) (Count: 141, Aspect: 2.7 A) defined: yes
- 0.8/0.4 mm (31/16 mils) (Count: 4, Aspect: 2.0 A) defined: no

Holes (excluding vias):

- 0.52 mm (20 mils) (2)
- 0.95 mm (37 mils) (4)
- 1.0 mm (39 mils) (24)
- 1.3 mm (51 mils) (2)
- 3.2 mm (126 mils) (4)

Oval holes:

- 0.6x0.85 mm (24x33 mils) (4)

Drill tools (including vias and computing adjusts and rounding):

- 0.4 mm (16 mils) (175)
- 0.5 mm (20 mils) (6)
- 0.7 mm (28 mils) (4)
- 1.05 mm (41 mils) (4)
- 1.1 mm (43 mils) (24)
- 1.4 mm (55 mils) (2)
- 3.3 mm (130 mils) (4)

PCB Layers