



ELECTRONICS INDIA CIRCUITS PVT. LTD.



www.electronicsindiapune.com

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INTRODUCTION

ELECTRONICS INDIA CIRCUITS PVT LTD formerly known ELECTRONICS INDAI is a well managed organization in India, established in 1996, engaged in manufacturing of professional grade Printed Circuits Boards in **SINGLE SIDE, DOUBLE SIDE & MULTILAYER PCB 4L to 32L.**

We do **MULTILAYER** under name of **EIPRISM CIRCUITRONICS LLP.**

We are a One Stop Solution with advance production facilities with capacity of Single Side **25K sq mts/month**, Double Side **3K Sq mts/month** & Multilayer **1.5K Sq mts/month** in factory built up area of **80k sq ft.** for high quality Printed Circuit Boards (PCBs).

We Concentrate on a specific portfolio of technology with special application for Automotive, Instrumentation, Telecommunication & Defence segment. We can support for Proto, Small, Medium and high Volume production requirements. We are specialize in supporting Express deliveries and Quick turn requirements.

We are **ISO90012015 & IATF 16949:2016** certified.

We have an experienced team to support customer technical requirements from 4 to 32 Layers with Impedance controlled board, 4/4 mil Trace/Space with 6/12 Drill/Pad.

We are a regular supplier of PCBs for Metal Clad with high Thermal Conductivity ranging from **2 TC to 10 TC**. We can support for 1 mt PCB length in FR4 & Metal Clad. High TG laminates for FR4, RF PCB and Copper base PCB for special high Temperature and Power requirements.

We proudly claim to be excellent in quality, scheduled deliveries, and competitive pricing structure.

We are confident of meeting your every need in the Printed Circuit Boards. Please find the attached herewith our company profile...

CNC Drill & Rout



ViaKing Line



Clean Room 10k class





Pretreatment Line



LED Exposer

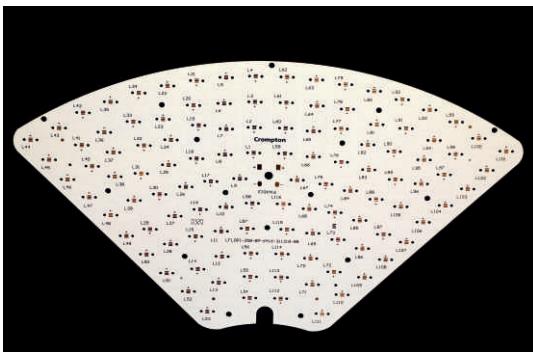


PISM Developer

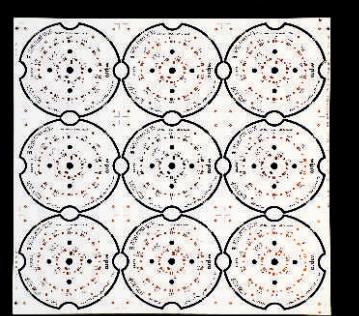




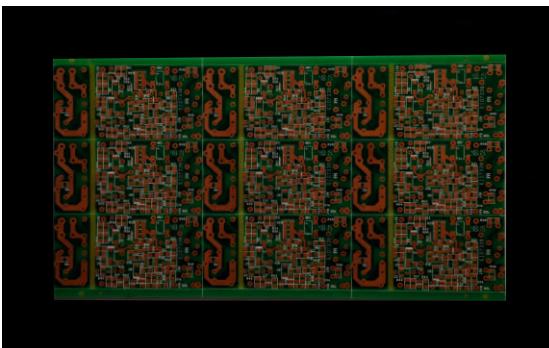
MCPCB



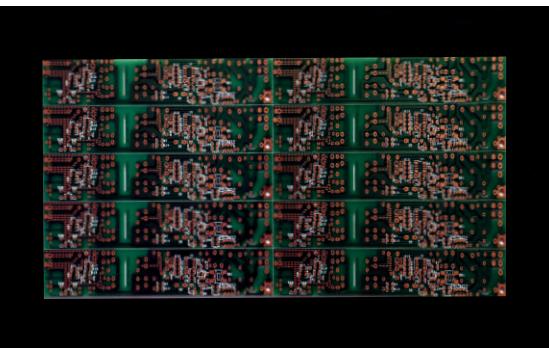
MCPCB



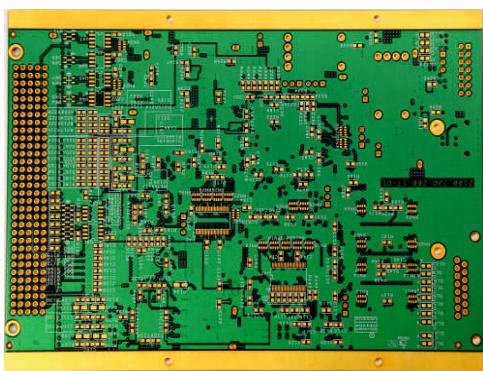
SINGLE SIDED PCB



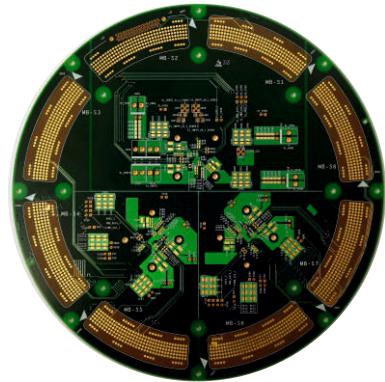
SINGLE SIDED PCB



DOUBLE SIDED PCB



MULTILAYER PCB



TECHNICAL SPECIFICATION

Sr.No.	PARAMETERS	MCPBCB	SINGLE SIDE	DOUBLE SIDE
1	PCB THICKNESS	0.8 TO 1.6MM	0.8 TO 1.6MM	0.8 TO 3.2MM
2	BASE COPPER	18u-105u	18u-105u	18u-105u
3	MIN HOLE SIZE (DRILL DIA)	1.2MM (48MIL)	0.6MM (24MIL)	0.4MM (16MIL)
4	MIN SIZE OF SLOT	1.5MM (60MIL)	0.8MM (32MIL)	0.8MM (32MIL)
5	MIN ANNULAR RING FOR VIA HOLES OUTER	0.25MM (10MIL)	0.25MM (10MIL)	0.25MM (10MIL)
6	MIN ANNULAR RING FOR COMP. HOLES OUTER	0.30MM (12MIL)	0.30MM (12MIL)	0.30MM (12MIL)
7	MIN OUTER LAYER TRACK / SPACE	0.30/0.30MM	0.30/0.30MM	0.20/0.20MM
8	MIN BOARD EDGE TO COPPER CLEARANCE (ROUTED BOARDS)	0.30MM (12MIL)	0.30MM (12MIL)	0.20MM (8MIL)
9	MIN BOARD EDGE TO COPPER CLEARANCE (SCORED BOARDS)	0.50MM (20MIL)	0.50MM (20MIL)	0.50MM (20MIL)
10	MIN SOLDER MASK CLEARANCE	0.05MM (2MIL)	0.10MM (4MIL)	0.10MM (4MIL)
11	MIN SOLDER MASK WIDTH BETWEEN SMD IC (MIN.DAM)	0.15MM (6MIL)	0.15MM (6MIL)	0.15MM (6MIL)
12	MIN WIDTH OF SILKSCREEN	0.20MM (8MIL)	0.20MM (8MIL)	0.20MM (8MIL)
13	MIN SMD GAP	0.25MM (10MIL)	0.25MM (10MIL)	0.25MM (10MIL)
14	PCB SURFACE FINISH	ENIG / LEADED HASL / LEAD FREE HASL / EMERSON TIN PLATING		
15	SOLDER MASK COLOUR	GREEN, BLUE, RED, WHITE, BLACK		
16	PCB PROFILE	ROUTING / SCORING		

MULTILAYER TECHNICAL SPECIFICATION

Sr.No.	PARAMETERS	STANDARD	CRITICAL
1	LAYER COUNT	UP TO 12 LAYERS	14-24 LAYERS
2	PCB THICKNESS	0.8 TO 3.2MM	0.6 TO 4.5MM
3	MIN I/L CORE THICKNESS	0.10MM (4MIL)	0.075MM (3MIL)
4	MIN HOLE SIZE (DRILL DIA)	0.4MM (16MIL)	0.25MM (10MIL)
5	MIN SIZE OF PTH SLOT	0.80MM	0.60MM
6	MIN ANNULAR RING FOR VIA HOLES (INNER & OUTER)	0.10 - 0.15MM (4-6MIL)	0.075MM (3MIL)
7	MIN ANNULAR RING FOR COMP. HOLES (INNER & OUTER)	0.15MM (6MIL)	0.10MM (4MIL)
9	MIN INNER LAYER TRACK/SPACE	18/18u BASE COPPER	0.15/0.15MM (6/6MIL)
		35/35u BASE COPPER	0.20/0.20MM (8/8MIL)
		70/70u BASE COPPER	0.25/0.25MM (10/10MIL)
		105/105u BASE COPPER	0.35/0.35MM (14/14MIL)
10	MIN INNER LAYER ANTI PAD (DRILL TO PAD ISOLATION)	4-6 LAYERS	0.35MM (14MIL)
		8-10 LAYERS	0.40MM (16MIL)
		10-24 LAYERS	0.50MM (20MIL)
11	MIN BOARD EDGE TO COPPER CLEARANCE (ROUTED BOARDS)	0.15MM (6MIL)	0.10MM (4MIL)
12	MIN BOARD EDGE TO COPPER CLEARANCE (SCORED BOARDS)	0.35MM (14MIL)	0.30MM (12MIN)
13	MIN SOLDER MASK CLEARANCE	0.05MM (2MIL)	0.038MM (1.5MIL)
14	MIN SOLDER MASK WIDTH BETWEEN SMD IC (MIN.DAM)	0.125MM (5MIL)	0.10MM (4MIL)
15	MIN WIDTH OF SILKSCREEN	0.15MM (6MIL)	0.125MM (5MIL)
16	MIN SMD PITCH	0.50MM (20MIL)	0.40MM (16MIL)
17	MIN BGA PITCH	0.60MM (24MIL)	0.40MM (16MIL)
18	ASPECT RATION (THICKNESS TO DRILL)	4:1	6.4:1
19	HOLE FILL / CAP PLATE FOR MAX. HOLE SIZE	0.25MM (10MIL)	0.30MM (12MIL)
20	CONTROLLED IMPEDANCE	TOLL +/- 10%	TOLL +/- 10%
21	MATERIAL	HI TG FR-4 HYDROCARBON CERAMIC	HI TG FR-4 RIGID POLYIMIDE FLEX POLYIMIDE LOW LOSS HIGH SPEED MATERIAL
22	DEFAULT STANDARDS	IPC CLASS-2	IPC CLASS-2
23	I/L BASE Cu	18u-105u	
24	O/L BASE Cu	18u-140u Finished	
25	PCB FINISH	ENIG / LEADED HASL / LEAD FREE HASL / IMMERSION TIN PLATING	
26	PRESS FIT HOLE TOLL	+/- 0.05MM (2MIL)	
27	SOLDER MASK COLOUR	GREEN, BLUE, RED, WHITE, BLACK	
28	PCB PROFILE	ROUTING / SCORING	



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Thank You!