

Size : 320.0 mm X 170.0 mm
 Layers : 4 layer
 Thickness : 1.6T
 Board Material : FR-4
 Surface treatment :
 Soldermask color :
 Silkscreen color :

-Units : mm

	Z 1		Z 2IN		Z 3IN			
	W	Ohm	W	d	Ohm	W	d	Ohm
0.50z	0.11 PP							
1oz	FR-4							
1oz	0.11 PP							
0.50z								

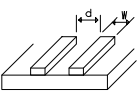
DRILL Information.

The schematic diagram illustrates a complex PCB layout for a medical device, organized into several functional blocks:

- Power Management:** Includes a 'Zinc-Air Power' section with four zinc-air cells (BT1, BT2, BT3, BT4) and a 'Zinc-Air Parallel' connection. It also features a 'Charger' block, a 'Switch block' with multiple SW_V and SW_pull down connections, and a 'Boost converter' section with a 'Class-D driver' and 'Boost_SEL' control.
- Signal Processing:** The 'FPGA header' section shows connections for FPGA B3, B4, B2, B1, B0, and B2_LS. The 'FPGA IO Power' block includes 'FPGA level shift' and 'FPGA IO2_V' connections. The 'FPGA level shift' block also includes 'FLS3_VB' and 'FLS3_VA' connections.
- Communication:** Includes a 'USB' block, a 'Back Telemetry' section, and a 'Digital_SET1' and 'Digital_SET2' section for digital signal processing.
- Stimulation and Output:** The 'Stimulation Out' block includes a 'Channel_On' section with multiple channel connections (C1-C10, C11-C20, C21-C30, C31-C40, C41-C50, C51-C60, C61-C70, C71-C80, C81-C90, C91-C100, C101-C110, C111-C120, C121-C130, C131-C140, C141-C150, C151-C160, C161-C170, C171-C180, C181-C190, C191-C200, C201-C210, C211-C220, C221-C230, C231-C240, C241-C250, C251-C260, C261-C270, C271-C280, C281-C290, C291-C300, C301-C310, C311-C320, C321-C330, C331-C340, C341-C350, C351-C360, C361-C370, C371-C380, C381-C390, C391-C400, C401-C410, C411-C420, C421-C430, C431-C440, C441-C450, C451-C460, C461-C470, C471-C480, C481-C490, C491-C500, C501-C510, C511-C520, C521-C530, C531-C540, C541-C550, C551-C560, C561-C570, C571-C580, C581-C590, C591-C600, C601-C610, C611-C620, C621-C630, C631-C640, C641-C650, C651-C660, C661-C670, C671-C680, C681-C690, C691-C700, C701-C710, C711-C720, C721-C730, C731-C740, C741-C750, C751-C760, C761-C770, C771-C780, C781-C790, C791-C800, C801-C810, C811-C820, C821-C830, C831-C840, C841-C850, C851-C860, C861-C870, C871-C880, C881-C890, C891-C900, C901-C910, C911-C920, C921-C930, C931-C940, C941-C950, C951-C960, C961-C970, C971-C980, C981-C990, C991-C1000, C1001-C1010, C1011-C1020, C1021-C1030, C1031-C1040, C1041-C1050, C1051-C1060, C1061-C1070, C1071-C1080, C1081-C1090, C1091-C1100, C1101-C1110, C1111-C1120, C1121-C1130, C1131-C1140, C1141-C1150, C1151-C1160, C1161-C1170, C1171-C1180, C1181-C1190, C1191-C1200, C1201-C1210, C1211-C1220, C1221-C1230, C1231-C1240, C1241-C1250, C1251-C1260, C1261-C1270, C1271-C1280, C1281-C1290, C1291-C1300, C1301-C1310, C1311-C1320, C1321-C1330, C1331-C1340, C1341-C1350, C1351-C1360, C1361-C1370, C1371-C1380, C1381-C1390, C1391-C1400, C1401-C1410, C1411-C1420, C1421-C1430, C1431-C1440, C1441-C1450, C1451-C1460, C1461-C1470, C1471-C1480, C1481-C1490, C1491-C1500, C1501-C1510, C1511-C1520, C1521-C1530, C1531-C1540, C1541-C1550, C1551-C1560, C1561-C1570, C1571-C1580, C1581-C1590, C1591-C1600, C1601-C1610, C1611-C1620, C1621-C1630, C1631-C1640, C1641-C1650, C1651-C1660, C1661-C1670, C1671-C1680, C1681-C1690, C1691-C1700, C1701-C1710, C1711-C1720, C1721-C1730, C1731-C1740, C1741-C1750, C1751-C1760, C1761-C1770, C1771-C1780, C1781-C1790, C1791-C1800, C1801-C1810, C1811-C1820, C1821-C1830, C1831-C1840, C1841-C1850, C1851-C1860, C1861-C1870, C1871-C1880, C1881-C1890, C1891-C1900, C1901-C1910, C1911-C1920, C1921-C1930, C1931-C1940, C1941-C1950, C1951-C1960, C1961-C1970, C1971-C1980, C1981-C1990, C1991-C2000, C2001-C2010, C2011-C2020, C2021-C2030, C2031-C2040, C2041-C2050, C2051-C2060, C2061-C2070, C2071-C2080, C2081-C2090, C2091-C2100, C2101-C2110, C2111-C2120, C2121-C2130, C2131-C2140, C2141-C2150, C2151-C2160, C2161-C2170, C2171-C2180, C2181-C2190, C2191-C2200, C2201-C2210, C2211-C2220, C2221-C2230, C2231-C2240, C2241-C2250, C2251-C2260, C2261-C2270, C2271-C2280, C2281-C2290, C2291-C2300, C2301-C2310, C2311-C2320, C2321-C2330, C2331-C2340, C2341-C2350, C2351-C2360, C2361-C2370, C2371-C2380, C2381-C2390, C2391-C2400, C2401-C2410, C2411-C2420, C2421-C2430, C2431-C2440, C2441-C2450, C2451-C2460, C2461-C2470, C2471-C2480, C2481-C2490, C2491-C2500, C2501-C2510, C2511-C2520, C2521-C2530, C2531-C2540, C2541-C2550, C2551-C2560, C2561-C2570, C2571-C2580, C2581-C2590, C2591-C2600, C2601-C2610, C2611-C2620, C2621-C2630, C2631-C2640, C2641-C2650, C2651-C2660, C2661-C2670, C2671-C2680, C2681-C2690, C2691-C2700, C2701-C2710, C2711-C2720, C2721-C2730, C2731-C2740, C2741-C2750, C2751-C2760, C2761-C2770, C2771-C2780, C2781-C2790, C2791-C2800, C2801-C2810, C2811-C2820, C2821-C2830, C2831-C2840, C2841-C2850, C2851-C2860, C2861-C2870, C2871-C2880, C2881-C2890, C2891-C2900, C2901-C2910, C2911-C2920, C2921-C2930, C2931-C2940, C2941-C2950, C2951-C2960, C2961-C2970, C2971-C2980, C2981-C2990, C2991-C3000, C3001-C3010, C3011-C3020, C3021-C3030, C3031-C3040, C3041-C3050, C3051-C3060, C3061-C3070, C3071-C3080, C3081-C3090, C3091-C3100, C3101-C3110, C3111-C3120, C3121-C3130, C3131-C3140, C3141-C3150, C3151-C3160, C3161-C3170, C3171-C3180, C3181-C3190, C3191-C3200, C3201-C3210, C3211-C3220, C3221-C3230, C3231-C3240, C3241-C3250, C3251-C3260, C3261-C3270, C3271-C3280, C3281-C3290, C3291-C3300, C3301-C3310, C3311-C3320, C3321-C3330, C3331-C3340, C3341-C3350, C3351-C3360, C3361-C3370, C3371-C3380, C3381-C3390, C3391-C3400, C3401-C3410, C3411-C3420, C3421-C3430, C3431-C3440, C3441-C3450, C3451-C3460, C3461-C3470, C3471-C3480, C3481-C3490, C3491-C3500, C3501-C3510, C3511-C3520, C3521-C3530, C3531-C3540, C3541-C3550, C3551-C3560, C3561-C3570, C3571-C3580, C3581-C3590, C3591-C3600, C3601-C3610, C3611-C3620, C3621-C

Board Info & Layer Configuration

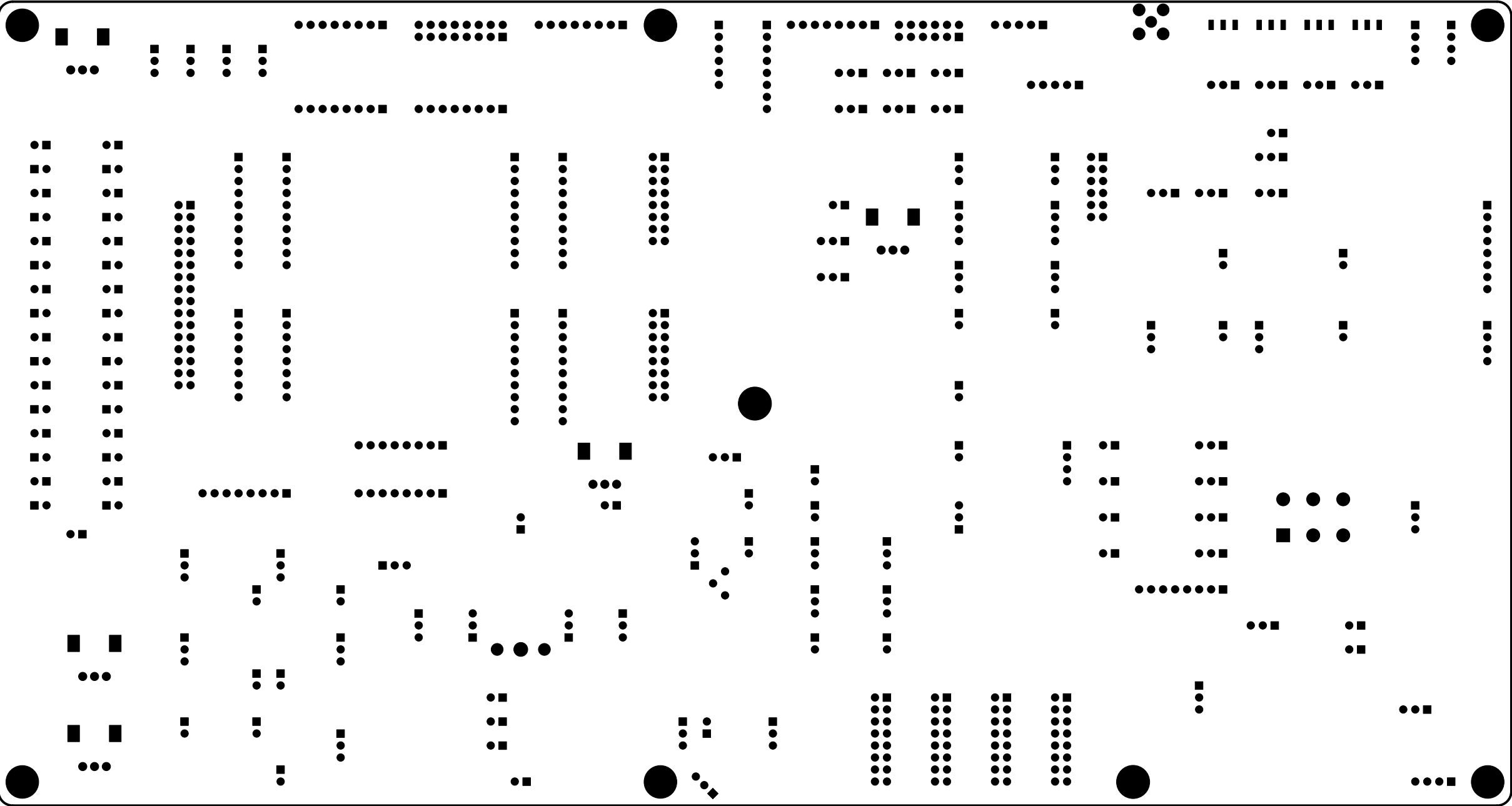
Size : 320.0 mm X 170.0 mm
Layers : 4 layer
Thickness : 1.6T
Board Material : FR-4
Surface treatment :
Soldermask color :
Silkscreen color :



-Units : mm

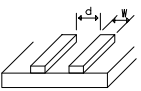
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		W	Ohm	W	d	Ohm	W	d	Ohm
0.500	0.11 PP								
102	FR-4								
102	0.11 PP								
0.500									

1.Top/Bot 50 ohm Impedance line 0.18mm
1.Top/Bot 100 ohm differential line 0.16mm 0.2mm space.
Slot hole : Drill 1.8 2.2 X 1.8 mm TH 10point



Board Info & Layer Configuration

Size : 320.0 mm X 170.0 mm
Layers : 4 layer
Thickness : 1.61
Board Material : FR-4
Surface treatment :
Soldermask color :
Silkscreen color :



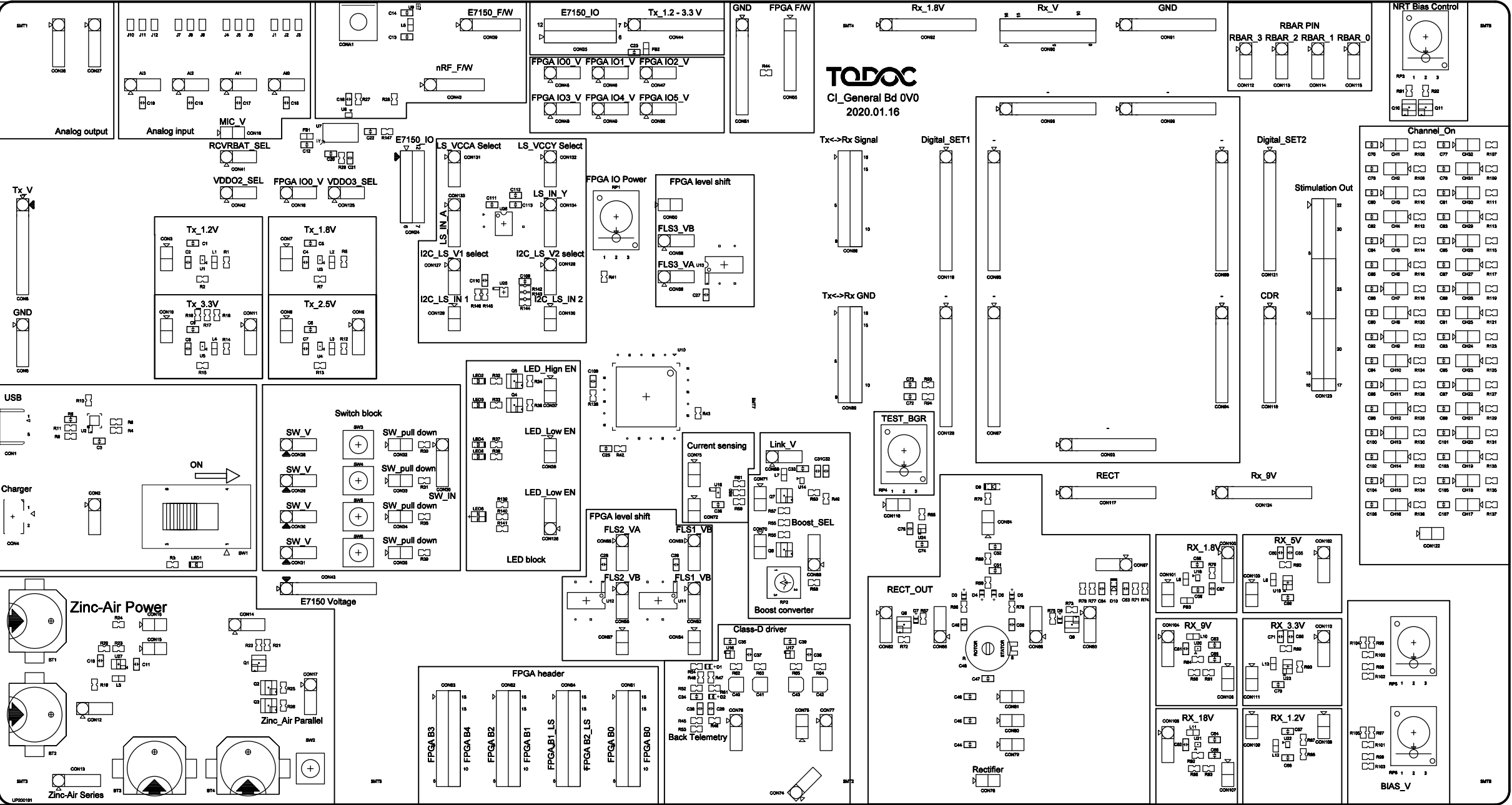
-Units : mm

Z 1		Z 011		Z 011	
W	Ohm	W	d	W	d
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102	FR-4				
102					
0.500	0.11 PP				
DRILL Information.					

1.Top/Bot 50 ohm Impedance line 0.18mm

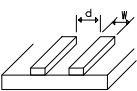
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Thickness : 1.61
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Surface treatment :
Soldermask color :
Silkscreen color :

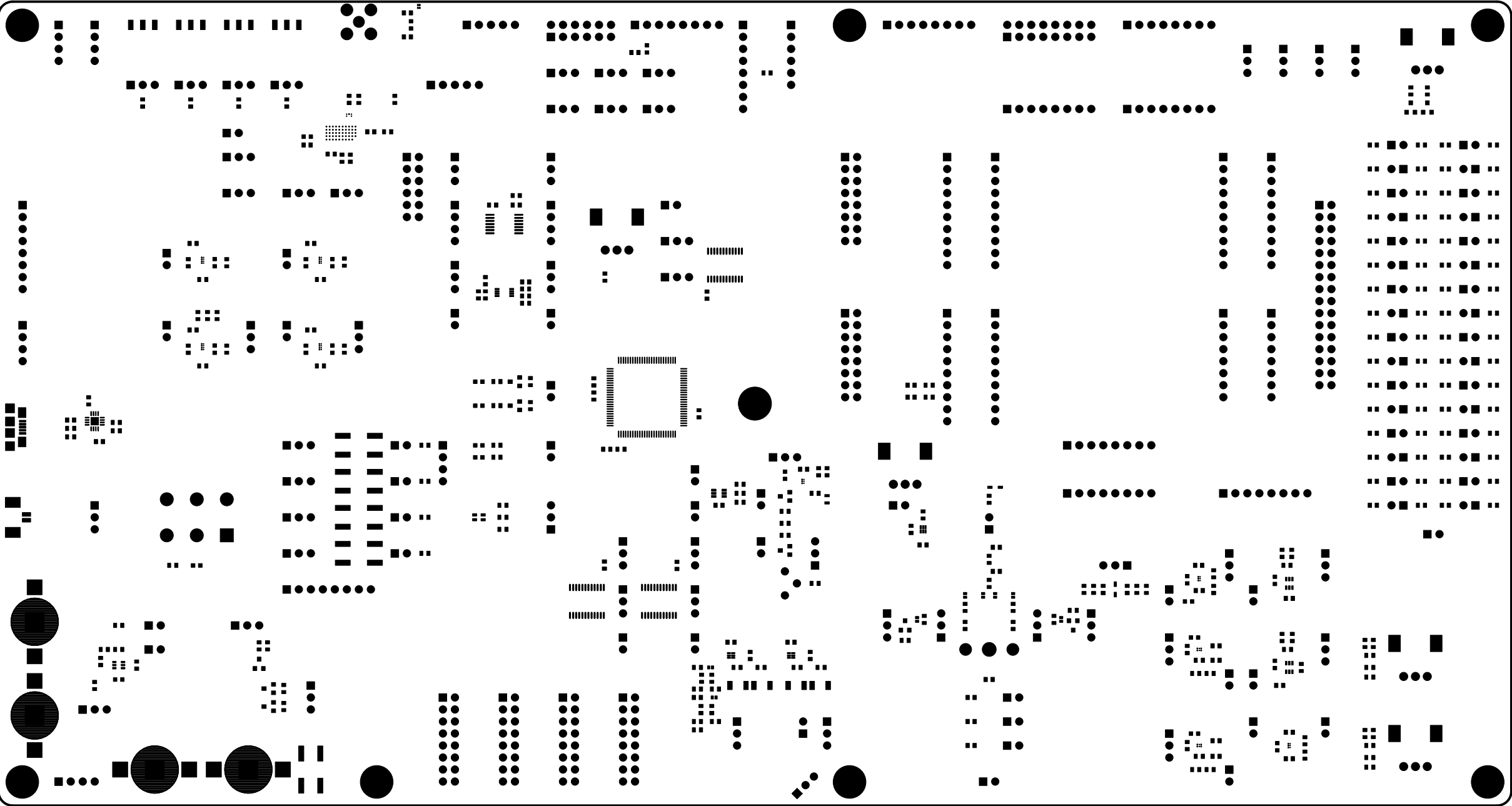


-Units : mm

MASKCOMP	
0.500	0.11 PP
102	FR-4
102	0.11 PP
0.500	
DRILL Information.	

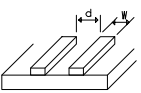
Z 1		Z 001			Z 002		
W	Ohm	W	d	Ohm	W	d	Ohm

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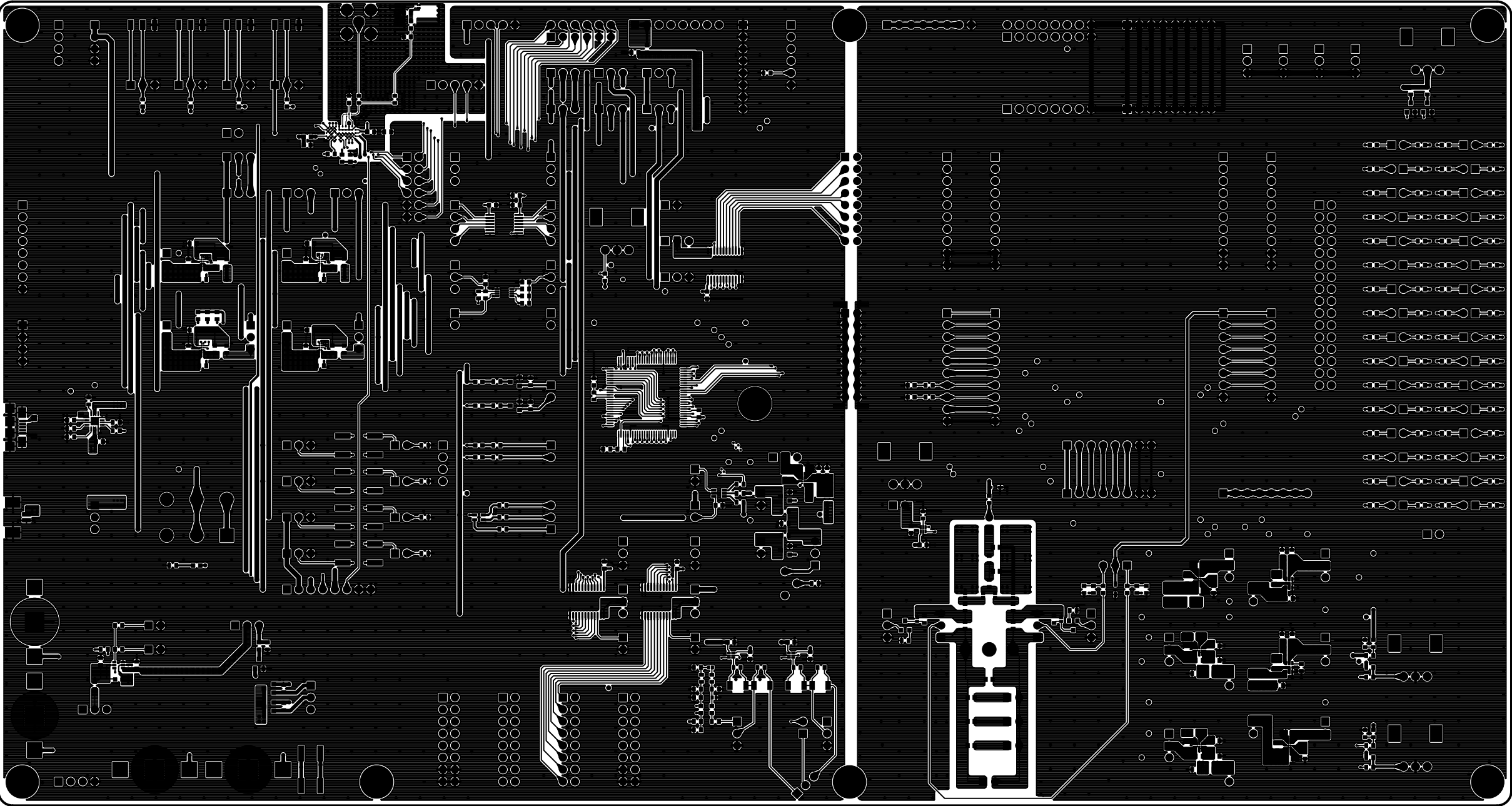
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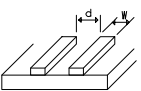
0.50			Z 1		Z 01		Z 02			
			W	Ohm	W	d	Ohm	W	d	Ohm
	0.11 PP	D1 COMP	0.18	50	0.2	0.2	90	0.16	0.2	100
102	FR-4									
102										
	0.11 PP									
0.50										
DRILL Information.										

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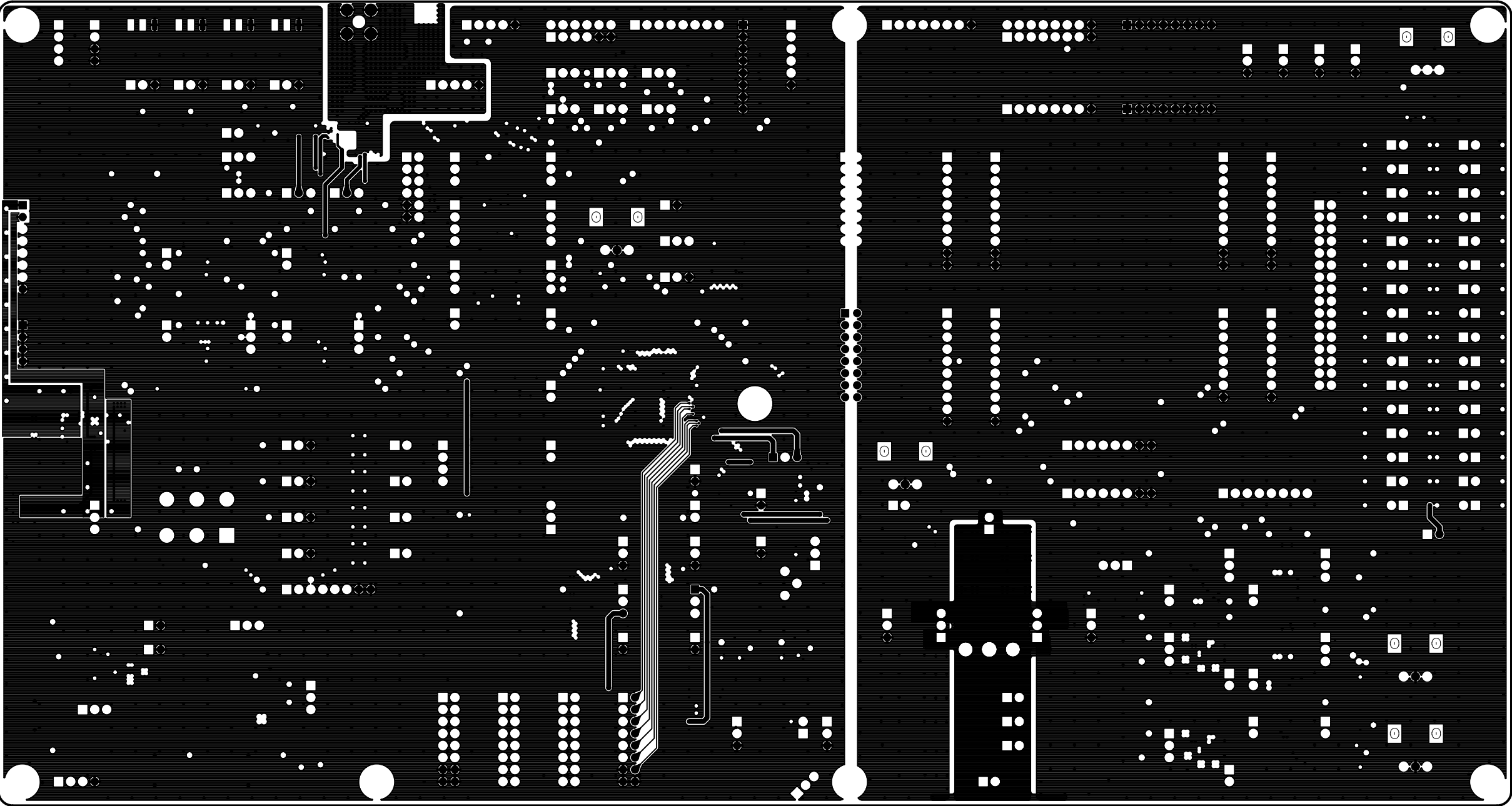
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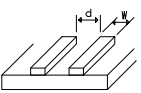
Z 1		Z 001			Z 002		
W	Ohm	W	d	Ohm	W	d	Ohm
0.11 PP							
FR-4							
0.11 PP							
DRILL information.							

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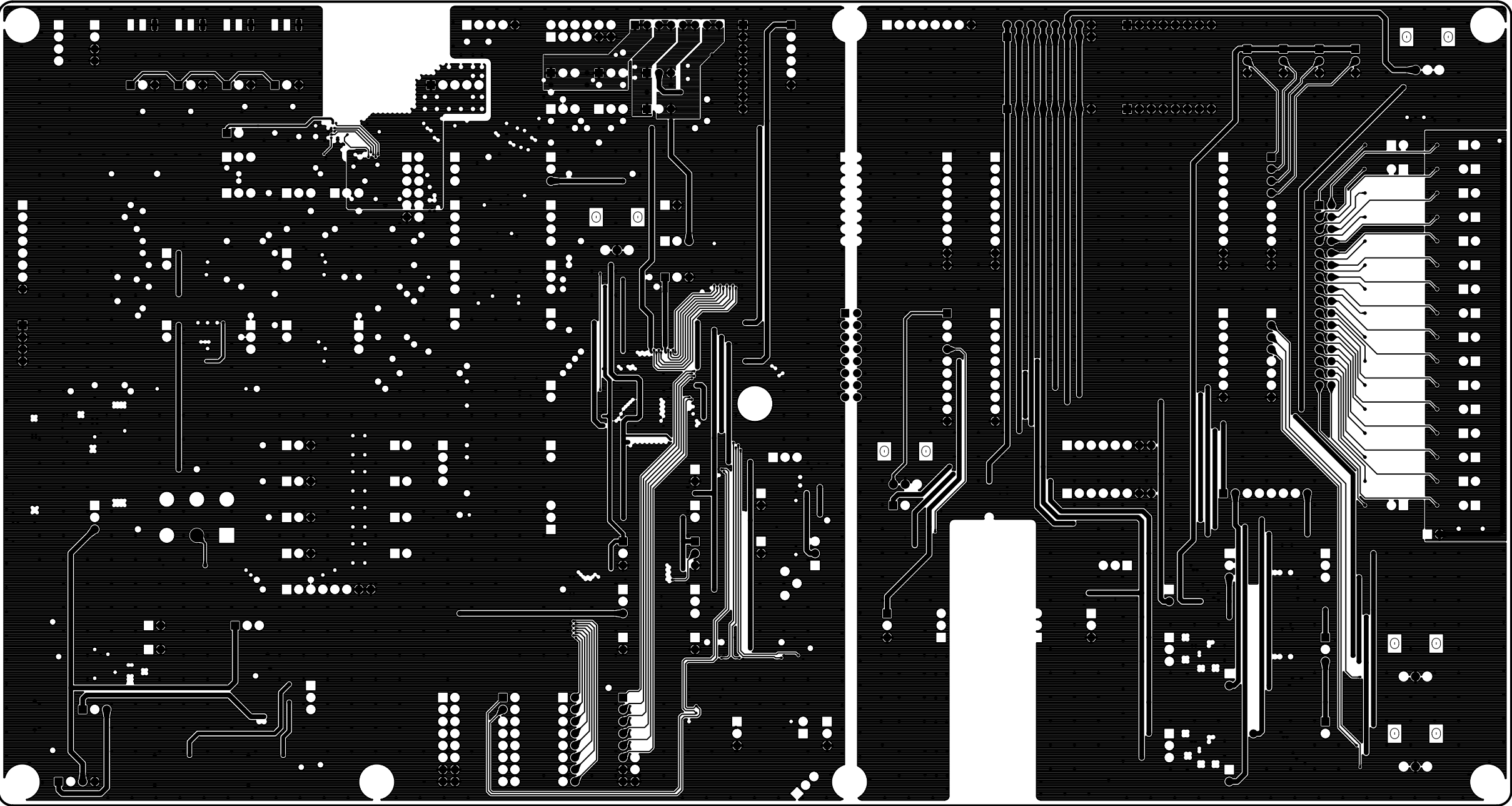
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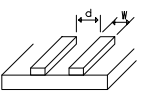
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W	Ohm	W	d	Ohm	W	d	Ohm
0.11 PP							
FR-4	03_IN2						
0.11 PP							
DRILL information.							

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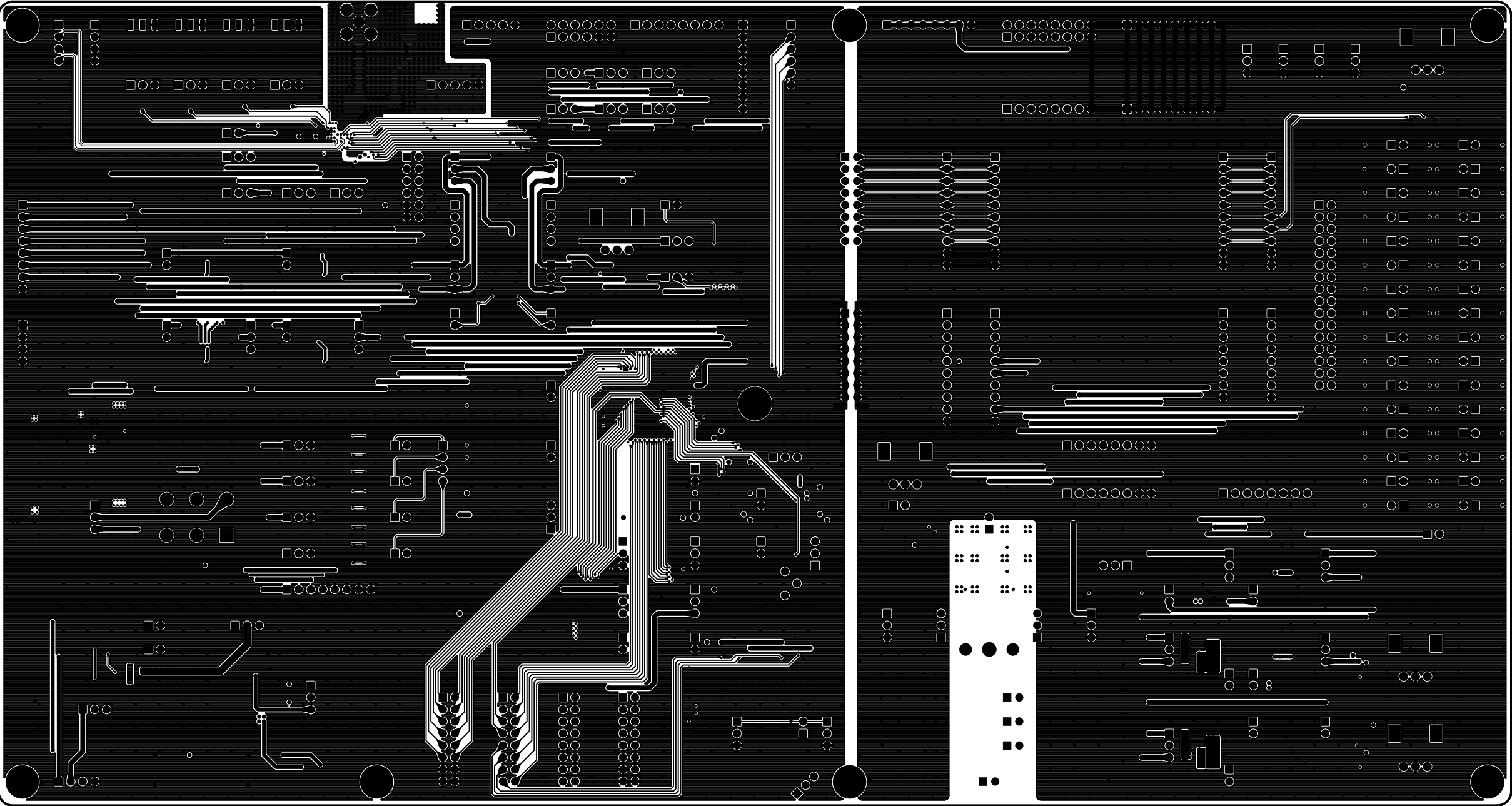


-Units : mm

Z 1		Z int		Z ext	
W	Ohm	W	d	W	d
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0.18	100	0.2	0.2	100	

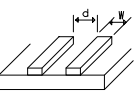
DRILL information.

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Slot hole : Drill 1.8 2.2 X 1.8 mm TH 10point



Board Info & Layer Configuration

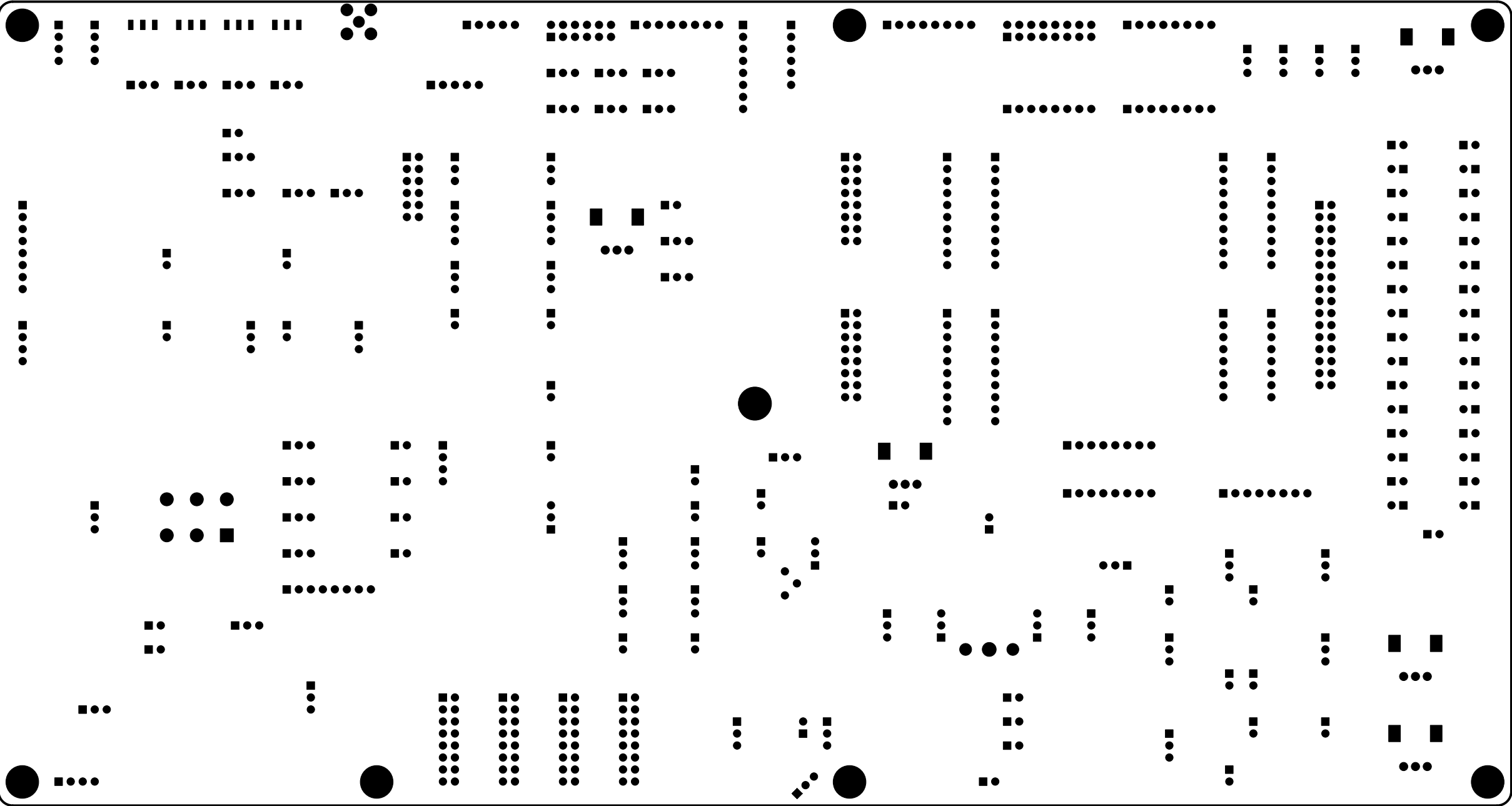
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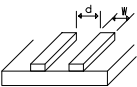
Z 1		Z 001			Z 002		
W	Ohm	W	d	Ohm	W	d	Ohm
0.500	0.11 PP						
102	FR-4						
102	0.11 PP						
0.500							
DRILL Information.							

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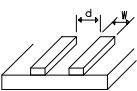
-Units : mm

Z 0		Z 000				Z 000			
W	Ohm	W	d	Ohm	W	d	Ohm	W	d
0.500	0.11 PP								
102	FR-4								
102	0.11 PP								
0.500									
DRILL information.		SILKSOLDER							

1.Top/Bot 50 ohm Impedance line 0.18mm
1.Top/Bot 100 ohm differentail line 0.16mm 0.2mm space.
Slot hole : Drill 1.8 2.2 X 1.8 mm TH 10point

Board Info & Layer Configuration

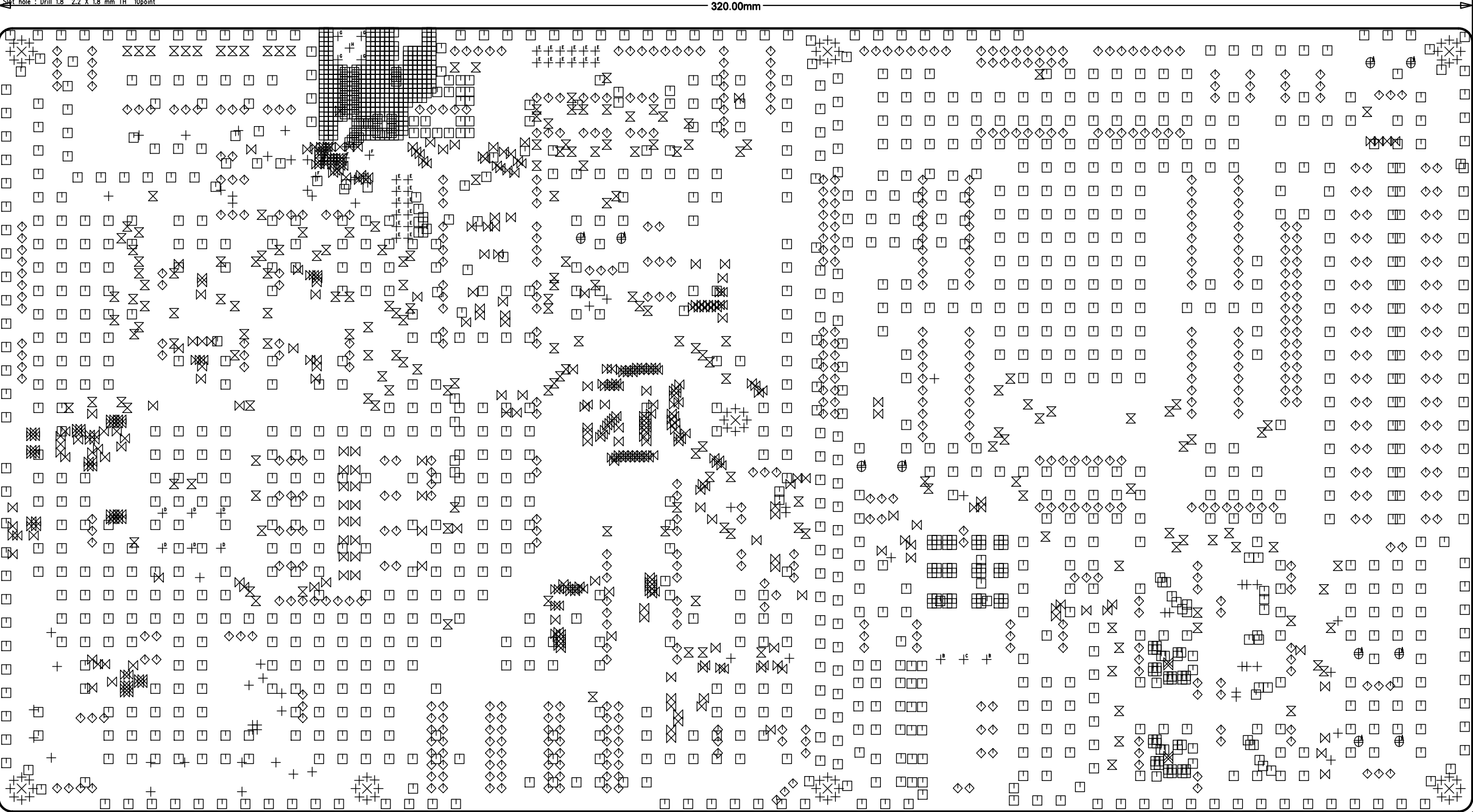
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-Units : mm

Z 1		Z 50		Z 100	
W	Ohm	W	Ohm	W	Ohm
0.18	50	0.2	50	0.16	100
0.11 PP	01_COMP				
FR-4					
0.11 PP					
DRILL Information.					

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1.Top/Bot 100 ohm differential line 0.16mm 0.2mm space.
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SIZE	QTY	SYM	PLATED	TOL
0.2	6		YES	+/-0.0
0.25	430		YES	+/-0.0
0.3	1663		YES	+/-0.0
0.4	127		YES	+/-0.0
0.5	202		YES	+/-0.0
0.9	24		YES	+/-0.0
1	670		YES	+/-0.0
1.3	2		YES	+/-0.0
1.4	1		YES	+/-0.0
1.6	4		YES	+/-0.0
1.8 x 2.2	10		YES	+/-0.0
1.85	6		YES	+/-0.0
3	1		NO	+/-0.0
3.5	8		YES	+/-0.0

