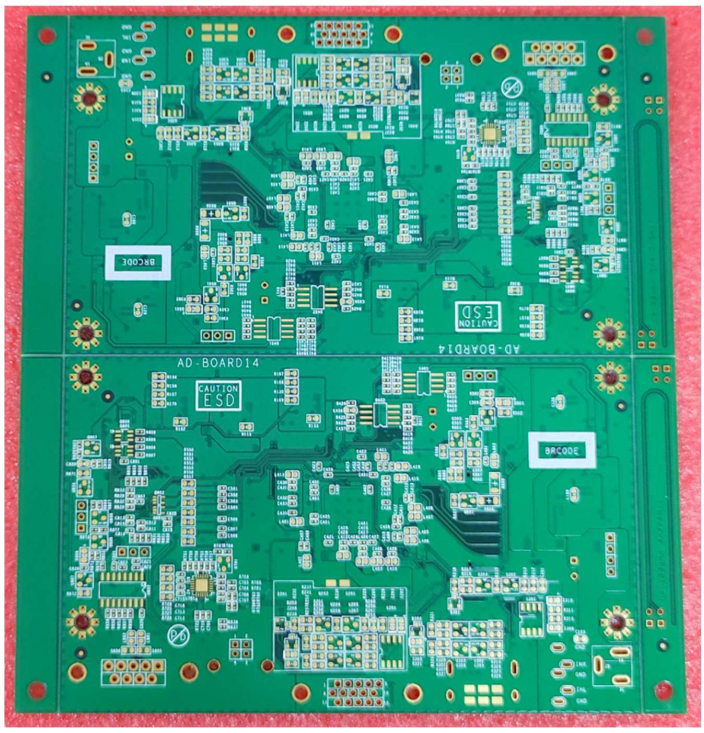
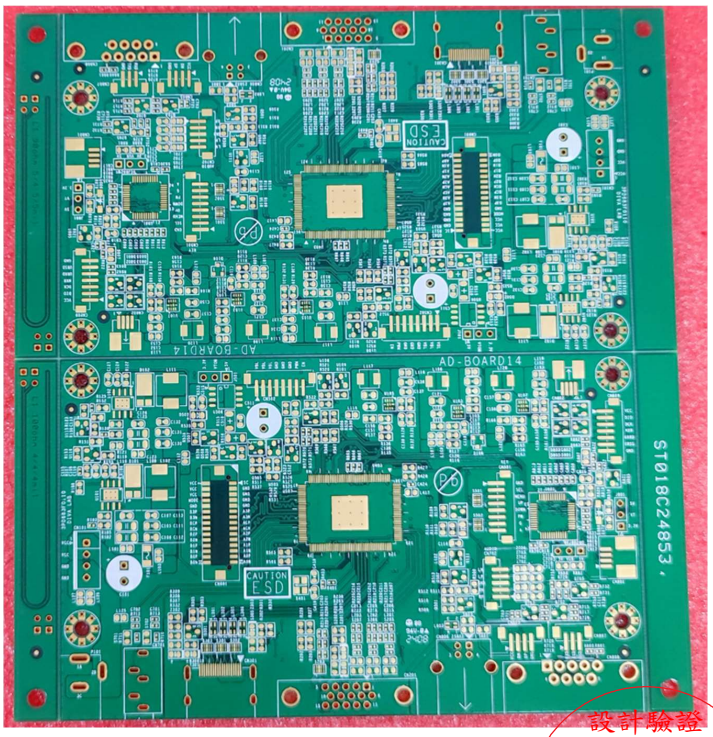
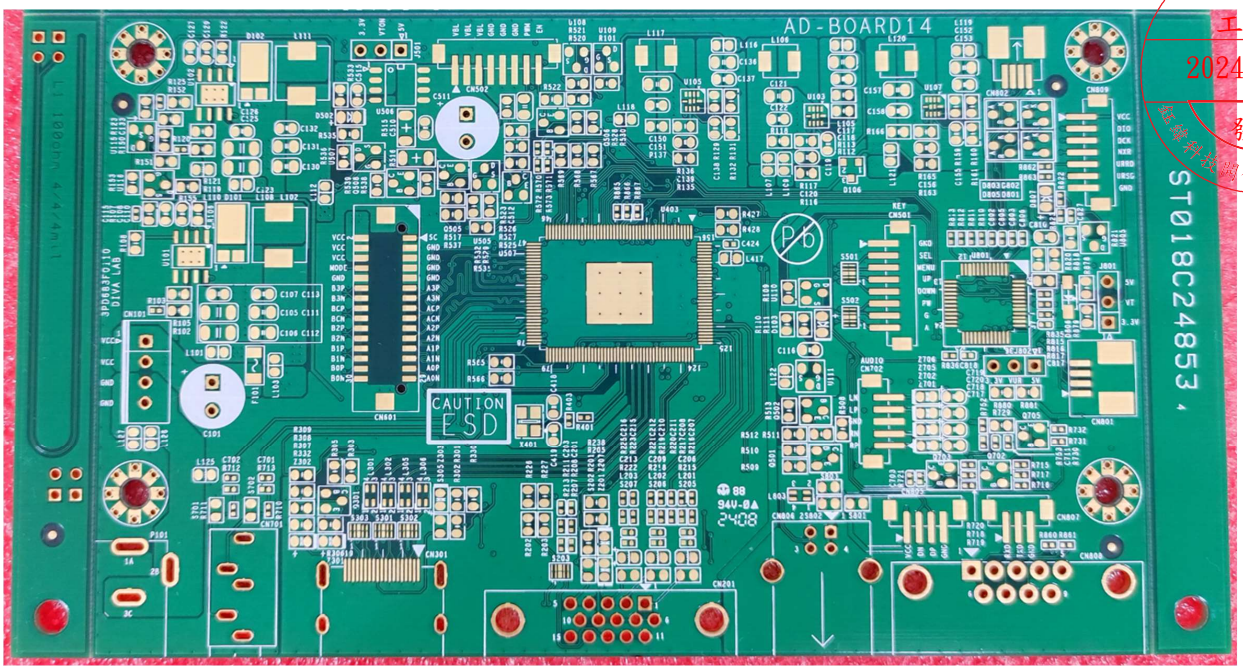
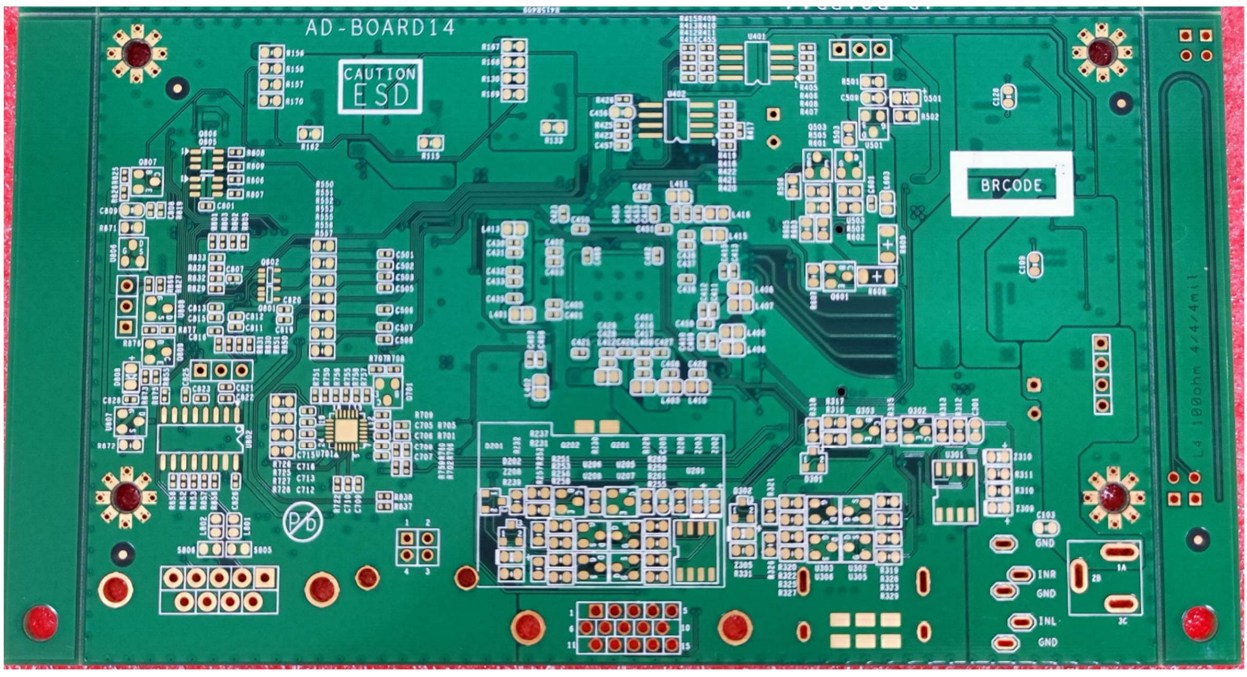




設計驗證
工程課
2024.03.01
發行
[illegible]股份有限公司





TAI MOON

PROFESSIONAL MULTILAYER PCB MANUFACTURER

台盟電子股份有限公司
TAI MOON ELECTRONICS CO., LTD
新北市樹林區三龍街155號
NO.155, SANLONG ST., SHULIN DIST., NEW TAIPEI CITY 238, TAIWAN (R.O.C.)
TEL:(02)2688-2199 FAX:(02)2689-8980
Http://www.taimoon.com.tw

承認書

SPECIFICATION FOR APPROVAL

致 TO: 鈺緯科技開發股份有限 公司 COMPANY

客戶品名
CUSTOMER P/N 3PD683F0110 (P0328)

客戶版本
REVISION:

台盟料號
TAI MOON P/N: ST018C24853

Date: 2024.02.20

Registered CCPL

ACCREDITED Management Systems Certification Body ACC NO. MSCB-120

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

客戶確認	業務部	品保部	工程部
設計驗證 工程課 2024.03.01 發行 鈺緯科技開發股份有限公司			廖伯舜

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台盟電子股份有限公司

測 試 檢 驗 報 告

Test Inspection Report

項次 ITEM	內　　容 DESCRIPTION	規　　格 SPECIFICATION	結　　果 JUDGEMENT
1	板材 LAMINATE MATERIAL	☒ FR4 NP-140 ☐ ISOLA 370HR	☒合 格(ACC) ☐不合 格(REJECT)
2	板厚 BOARD THICKNESS	☒1.6mm +/-10% ☐ 0.8 mm± 0.08mm	☒合 格(ACC) ☐不合 格(REJECT)
3	內層銅箔厚度 INNER LAYER THICKNESS	☐17.5um ☒ 35um ☐ 70 um ☐ um	☒合 格(ACC) ☐不合 格(REJECT)
4	成品銅箔厚度 OUTER LAYER THICKNESS	☐17.5um ☒ 35 um ☐ 70 um ☐ um	☒合 格(ACC) ☐不合 格(REJECT)
5	孔銅厚度 HOLE WALL COPPER THICKNESS	☒ 0.8 mils(AVG.) ☐ 1.0 mils ☐ mils	☒合 格(ACC) ☐不合 格(REJECT)
6	鍍金厚度 GOLD THICKNESS	2 u"(AVG.)	☒合 格(ACC) ☐不合 格(REJECT)
7	電 測 ELECTRICAL TEST	Max. Test Voltage: 250V Continuity Resistance: 20Ω Isolation Resistance: 10M Ω	☒合 格(ACC) ☐不合 格(REJECT)
8	拉金測試 TAPE TEST	3M(NO.600) TAPE	☒合 格(ACC) ☐不合 格(REJECT)
9	防焊拉力測試 SOLDER MASK TAPE TEST	3M(NO.600) TAPE	☒合 格(ACC) ☐不合 格(REJECT)
10	焊錫性測試 SOLDERABILITY TEST	Temp: 260° deg C Time: 3-5 seconds	☒合 格(ACC) ☐不合 格(REJECT)

台盟電子股份有限公司

外 觀 規 格 報 告

Appearance Item Report

項次 ITEM	內　　容 DESCRIPTION	規　　格 SPECIFICATION	結　　果 JUDGEMENT
1	週期註記 DATE CODE	☒ YY WW ☐ WW YY	☒合 格(ACC) ☐不 合 格(REJECT)
2	商檢標記 UL LOGO	☒ UL LOGO ☐	☒合 格(ACC) ☐不 合 格(REJECT)
3	防　焊 SOLDER MASK	型號(Model)：N/A 顏色(Color)：綠色(Green) 印刷：☒雙面（TWO SIDES） ☐零件面（COMP SIDE） ☐焊錫面（SOLDER SIDE） ☐無防焊（NO S/M）	☒合 格(ACC) ☐不 合 格(REJECT)
4	文　字 SILKSCREEN	顏色☒零件面 Color：白色(White) ☒焊錫面 Color：白色(White) 印刷☒雙面（TWO SIDES） ☐零件面（COMP SIDE） ☐焊錫面（SOLDER SIDE） ☐無文字（NO SILKSCREEN）	☒合 格(ACC) ☐不 合 格(REJECT)
5	表面金屬 SURFACE TREATMENT	☐噴錫　　(H.A.L) ☐鍍全面金（ELECTRO FLASH GOLD） ☒化學金　(IMMERSION GOLD) ☐化學金　μ"& 金手指　μ" （IMMERSION SILVER & PEELABE MASK）	☒合 格(ACC) ☐不 合 格(REJECT)
6	成型方式 FORMING	☒ CNC（MILLING） ☐ 模沖 (PUNCH) ☒ V-CUT REMAINED 0.53 +/- 0.1 MM ☐ 金手指斜邊(BEVELING OF G/F)	☒合 格(ACC) ☐不 合 格(REJECT)

工程確認

Prepared by: 廖伯窈

ZPMV2.E148298
Wiring, Printed - Component

Enhanced searching capability for this category can be found in UL's iQ Family of Databases (iq.ul.com).

Page Bottom

Wiring, Printed - Component

See General Information for Wiring, Printed - Component

TAI MOON ELECTRONICS CO LTD E148298
1ST FL
155 SAN LUNG ST
SHULIN, TAIPEI HSIEN 238 TAIWAN

	Cond Width				Max			Max			
		Min	Cond	SS/	Area	Solder		Oper		Meets	C
	Min	Edge	Thk	DS/	Diam	Limits		Temp	Flame	UL796	T
Type	mm(in)	mm(in)	mic(mil)	DSO	mm(in)	C	sec	C	Class	DSR	I
Multilayer printed wiring boards.											
88	0.1 (0.004)	0.2 (0.008)	17 (0.67) Int:68	DS	76.2 (3.0)	260	10	130	V-0	All	-
88-1	0.20 (0.008)	0.20 (0.008)	17 (0.67) Int:68	DS	76.2 (3.0)	260	10	140	V-0	All	-
88-2	0.20 (0.008)	0.20 (0.008)	17 (0.67) Int:68	DS	76.2 (3.0)	260	10	120	V-0	All	-
Single layer printed wiring boards.											
66	0.1 (0.004)	0.18 (0.007)	16.5 (0.65)	DS	76.2 (3.0)	274	15	130	V-0	All	-

Marking: Company name or trademark , and type designation. May be followed by a suffix to denote factory identification.
Last Updated on 2011-02-25

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CERTIFICATE

特此授予:

台盟電子股份有限公司

238026台灣新北市樹林區三龍街155號及202號

管理體系符合

ISO 9001:2015

驗證範圍

單面、雙面及多層印刷電路板之製造

證書編號: ARES/TW/I2206024Q
證書簽發日期: 2022-06-09
證書有效日期: 2025-06-08

每次監督審核時間與上次現場審核時間間隔不得超過12個月，且必須取得ARES簽發的監督審核通過證明以確保證書有效性。

IAS ACCREDITED Management Systems Certification Body ACC NO. MSCB - 171

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

批准:

Chiou Jiuwen

ARES International Certification Co., Ltd.
No.12-2, Ln. 187, Wenping Rd., Anping Dist., Tainan City 708, Taiwan
TEL / 06-295 9696 (Rep. Line) FAX / 06-295 9667
www.ares-registration.com

CERTIFICATE

特此授予:

台盟電子股份有限公司

238026台灣新北市樹林區三龍街155號及202號

管理體系符合

ISO 14001:2015

驗證範圍

單面、雙面及多層印刷電路板之製造

證書編號: ARES/TW/I2206024E
證書簽發日期: 2022-06-09
證書有效日期: 2025-06-08

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No.12-2, Ln. 187, Wenping Rd., Anping Dist., Tainan City 708, Taiwan
TEL / 06-295 9696 (Rep. Line) FAX / 06-295 9667
www.ares-registration.com

PCB: 3PD683F0110 (4 LAYERS) *(P0328)*

SUPPLIER: TAI MOON

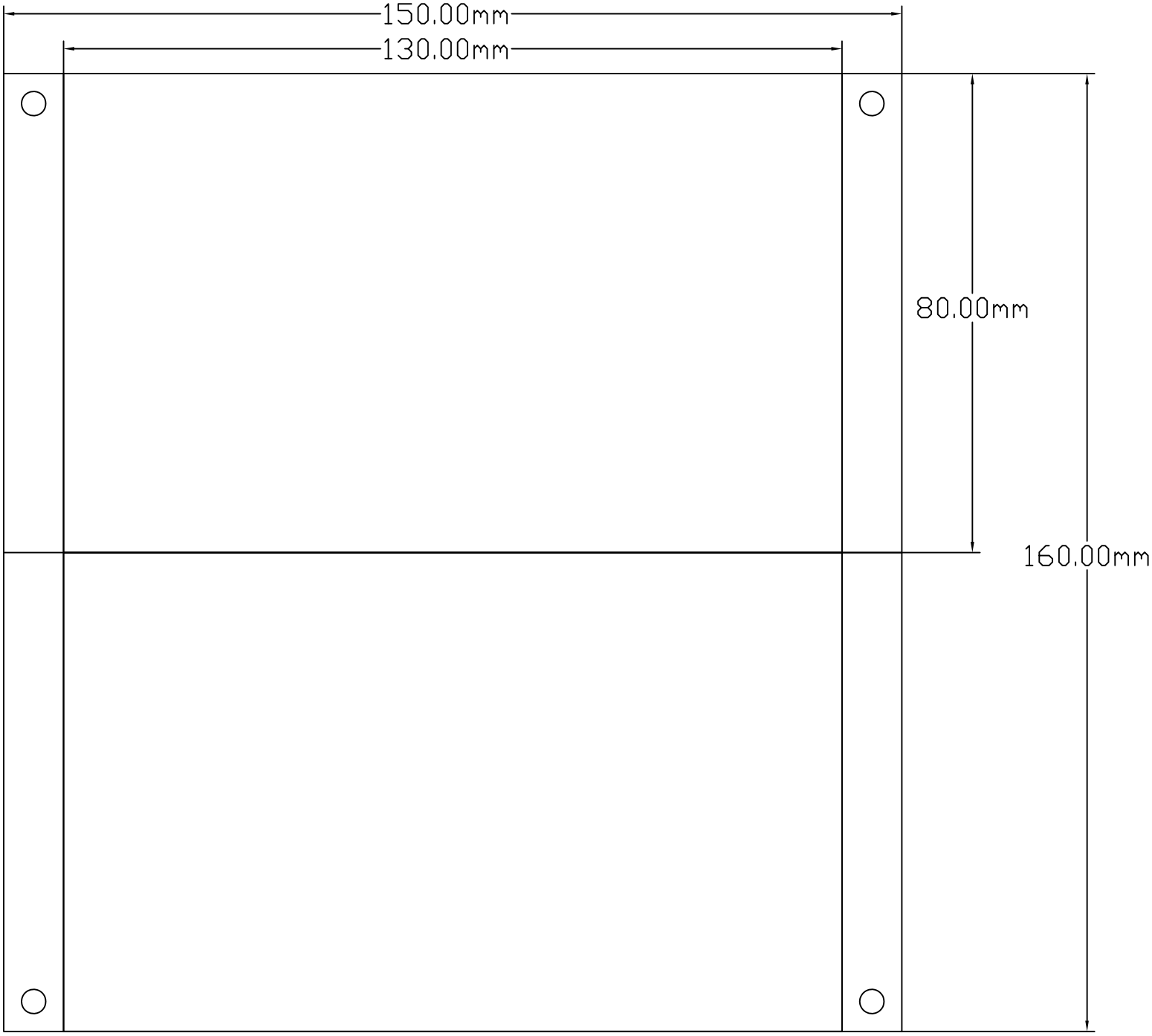
PANEL SIZE: 150.00X 160.00 (1PNL= 2 PCS)

PCS SIZE: 130.00 X 80.00

TOLERANCE: +/-0.2

UNIT: MM

DATE: 2024-02-20



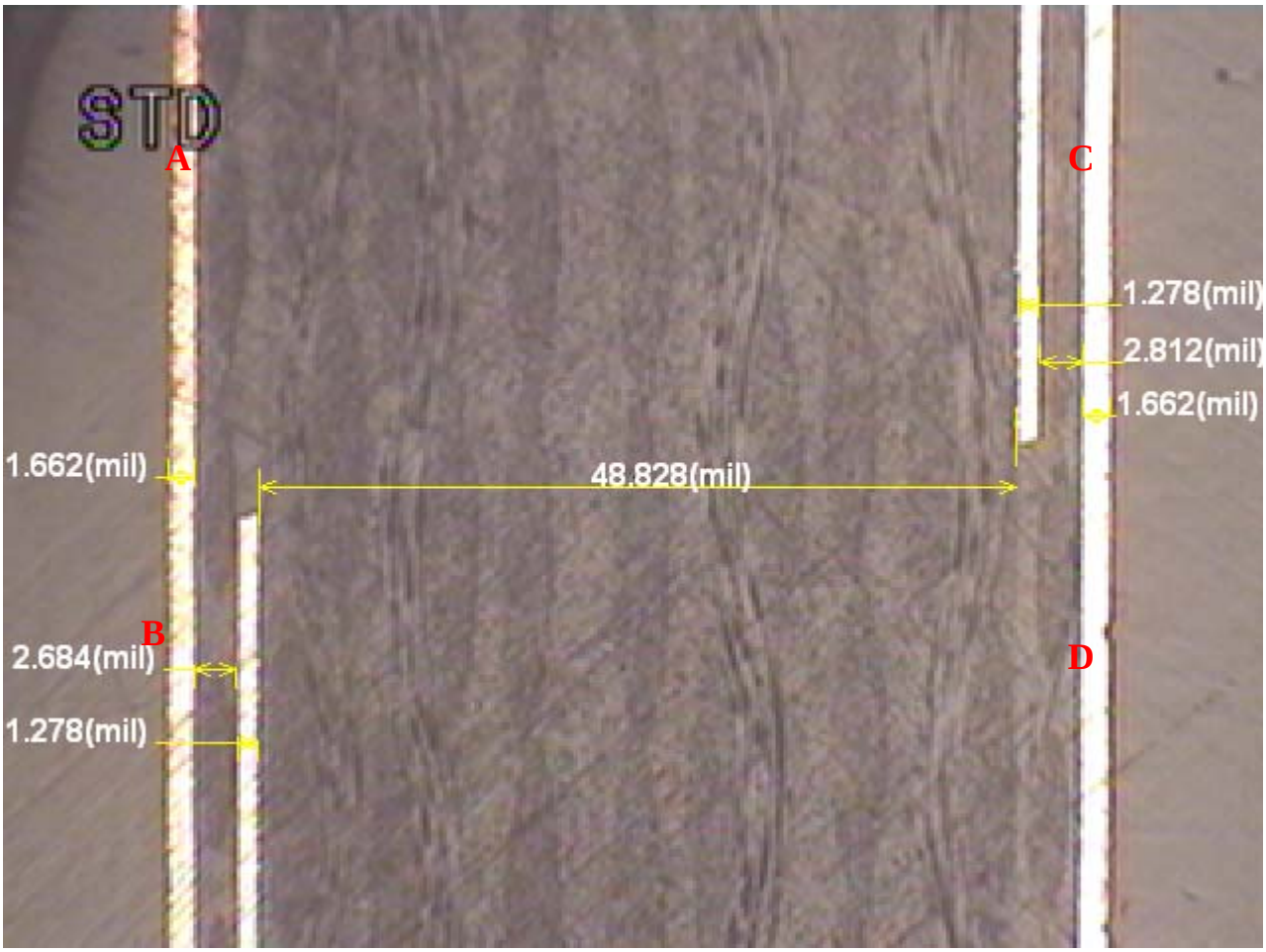
台盟電子股份有限公司 *TAI MOON* Electronics Co., Ltd.
新北市樹林區三龍街 155 號 **No.155, San-Lung ST. Shu Lin City,Taipei Hsien,Taiwan**
TEL:(02)2688-2199 FAX:(02)2689-8980 http://www.taimoon.com.tw ✉**service@ds01.Taimoon.com.tw**

I S O 9 0 0 1 : 2 0 1 5 / 通 過 英 國 標 準 協 會 驗 證 機 構 I A S 驗 證

Microsection Inspection Report

Customer: Date Code:2408

Part Number:3PD683F0110 (P0328)



ST018C24853

Approved By：Ling Inspect By：Lu

Customer	3PD683F0110
Board Type	ST018 (P0328)
Part Number	C24
Revision Number	853
Testfile Date	Tuesday, February 27, 2024 11:53:32
Print Date	Tuesday, February 27, 2024 13:06:48
Station ID	_TEST STATION 1_
Testfile Path	L:\阻抗\阻抗資料NEW\T018每層都測\樣品\ST018-853\S-0220\ST018-853-90-L1.cif
Datalog File Path	L:\阻抗\阻抗資料NEW\T018每層都測\樣品\ST018-853\S-0220\ST018-853-90-L1.clf

Description	Layer	Result	Average	Max Ohms	Min Ohms	Test To	Date
✓ 90Ω+/-10%	1	Pass	91.93	92.48	91.29	5.010	27/02/24
✓ 90Ω+/-10%	1	Pass	92.34	92.85	91.72	5.010	27/02/24
✓ 90Ω+/-10%	1	Pass	91.91	92.48	91.31	5.010	27/02/24
✓ 90Ω+/-10%	1	Pass	92.00	92.45	91.46	5.010	27/02/24
✓ 90Ω+/-10%	1	Pass	91.88	92.47	91.35	5.010	27/02/24
✓ 90Ω+/-10%	1	Pass	92.03	92.66	91.47	5.010	27/02/24
✓ 90Ω+/-10%	1	Pass	91.89	92.50	91.34	5.010	27/02/24
✓ 90Ω+/-10%	1	Pass	91.90	92.41	91.33	5.010	27/02/24
✓ 90Ω+/-10%	1	Pass	91.97	92.60	91.40	5.010	27/02/24
✓ 90Ω+/-10%	1	Pass	91.98	92.52	91.31	5.010	27/02/24

Customer	3PD683F0110 (P0328)
Board Type	ST018
Part Number	C24
Revision Number	853
Testfile Date	Tuesday, February 27, 2024 11:54:04
Print Date	Tuesday, February 27, 2024 13:06:18
Station ID	_TEST STATION 1_
Testfile Path	L:\阻抗\阻抗資料NEW\T018每層都測\樣品\ST018-853\S-0220\ST018-853-90-L4.cif
Datalog File Path	L:\阻抗\阻抗資料NEW\T018每層都測\樣品\ST018-853\S-0220\ST018-853-90-L4.clf

Description	Layer	Result	Average	Max Ohms	Min Ohms	Test To	Date
✓ 90Ω+/-10%	4	Pass	97.86	98.26	97.32	5.010	27/02/24
✓ 90Ω+/-10%	4	Pass	97.73	98.11	97.11	5.010	27/02/24
✓ 90Ω+/-10%	4	Pass	97.80	98.18	97.26	5.010	27/02/24
✓ 90Ω+/-10%	4	Pass	97.77	98.16	97.18	5.010	27/02/24
✓ 90Ω+/-10%	4	Pass	97.69	98.03	97.12	5.010	27/02/24
✓ 90Ω+/-10%	4	Pass	97.79	98.13	97.26	5.010	27/02/24
✓ 90Ω+/-10%	4	Pass	97.72	98.04	97.14	5.010	27/02/24
✓ 90Ω+/-10%	4	Pass	97.71	98.06	97.13	5.010	27/02/24
✓ 90Ω+/-10%	4	Pass	97.66	97.97	97.15	5.010	27/02/24
✓ 90Ω+/-10%	4	Pass	97.69	98.06	97.18	5.010	27/02/24

Customer	3PD683F0110 (P0328)
Board Type	ST018
Part Number	C24
Revision Number	853
Testfile Date	Tuesday, February 27, 2024 11:55:04
Print Date	Tuesday, February 27, 2024 13:05:56
Station ID	_TEST STATION 1_
Testfile Path	L:\阻抗\阻抗資料NEW\T018每層都測\樣品\ST018-853\S-0220\ST018-853-100-L4.cif
Datalog File Path	L:\阻抗\阻抗資料NEW\T018每層都測\樣品\ST018-853\S-0220\ST018-853-100-L4.clf

Description	Layer	Result	Average	Max Ohms	Min Ohms	Test To	Date
✓ 100Ω+/-10%	4	Pass	100.61	101.10	100.03	5.010	27/02/24
✓ 100Ω+/-10%	4	Pass	100.34	100.76	99.97	5.010	27/02/24
✓ 100Ω+/-10%	4	Pass	100.75	101.11	100.34	5.010	27/02/24
✓ 100Ω+/-10%	4	Pass	100.56	100.98	100.09	5.010	27/02/24
✓ 100Ω+/-10%	4	Pass	100.66	101.01	100.18	5.010	27/02/24
✓ 100Ω+/-10%	4	Pass	100.80	101.22	100.37	5.010	27/02/24
✓ 100Ω+/-10%	4	Pass	100.59	101.02	100.20	5.010	27/02/24
✓ 100Ω+/-10%	4	Pass	100.53	101.01	100.14	5.010	27/02/24
✓ 100Ω+/-10%	4	Pass	100.65	101.04	100.25	5.010	27/02/24
✓ 100Ω+/-10%	4	Pass	100.65	101.07	100.27	5.010	27/02/24

Customer	3PD683F0110 (P0328)
Board Type	ST018
Part Number	C24
Revision Number	853
Testfile Date	Tuesday, February 27, 2024 11:55:39
Print Date	Tuesday, February 27, 2024 13:05:17
Station ID	_TEST STATION 1_
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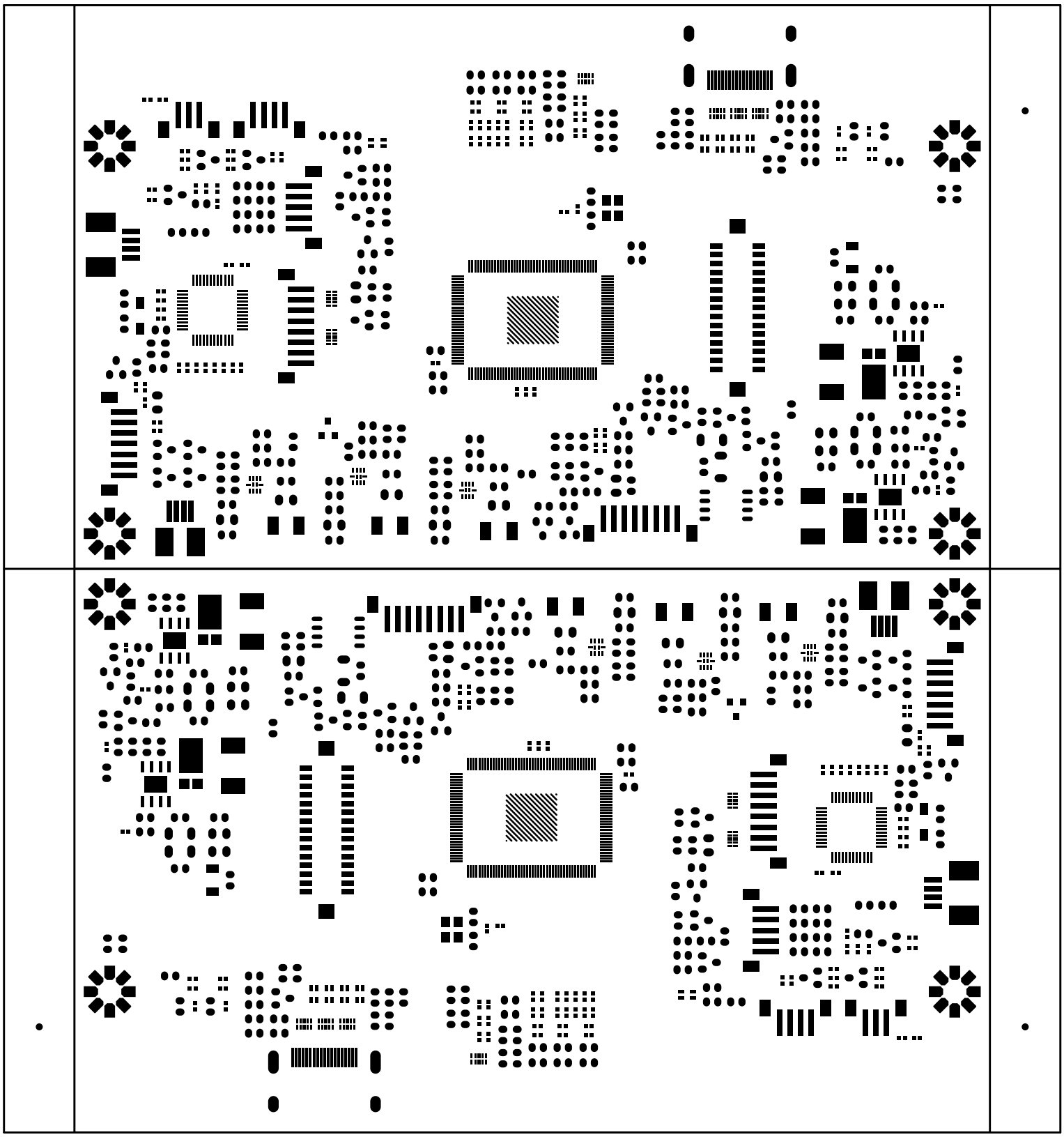
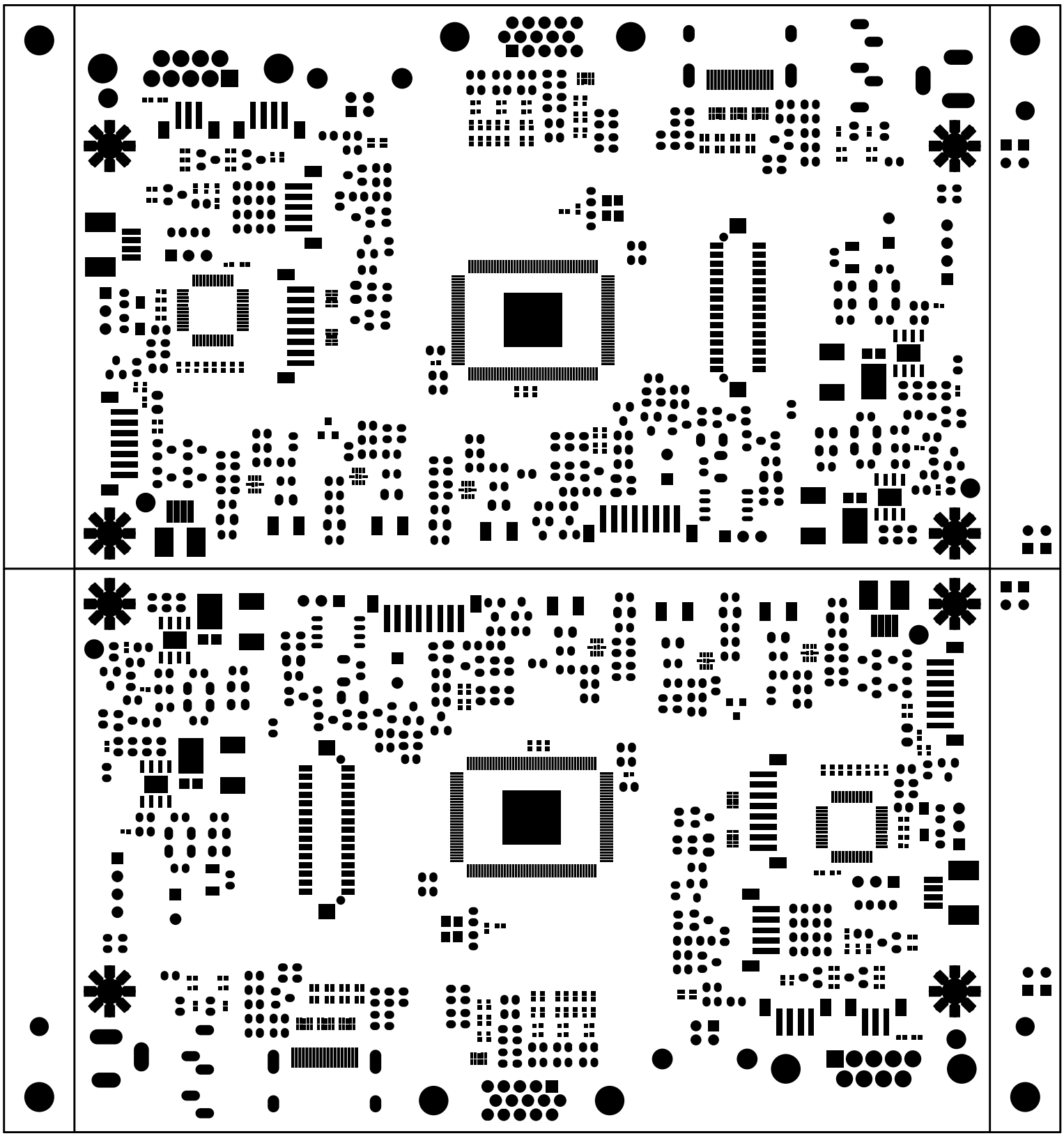
Datalog File Path	L:\阻抗\阻抗資料NEW\T018每層都測\樣品\ST018-853\S-0220\ST018-853-100-L1.clf

Description	Layer	Result	Average	Max Ohms	Min Ohms	Test To	Date
✓ 100Ω+/-10%	1	Pass	95.96	96.16	95.73	3.340	27/02/24
✓ 100Ω+/-10%	1	Pass	96.51	96.71	96.26	3.340	27/02/24
✓ 100Ω+/-10%	1	Pass	96.16	96.51	95.96	3.340	27/02/24
✓ 100Ω+/-10%	1	Pass	96.24	96.46	96.05	3.340	27/02/24
✓ 100Ω+/-10%	1	Pass	96.02	96.23	95.94	3.340	27/02/24
✓ 100Ω+/-10%	1	Pass	95.87	96.11	95.61	3.340	27/02/24
✓ 100Ω+/-10%	1	Pass	95.81	96.09	95.64	3.340	27/02/24
✓ 100Ω+/-10%	1	Pass	95.82	96.09	95.65	3.340	27/02/24
✓ 100Ω+/-10%	1	Pass	95.81	96.04	95.58	3.340	27/02/24
✓ 100Ω+/-10%	1	Pass	95.87	96.18	95.51	3.340	27/02/24

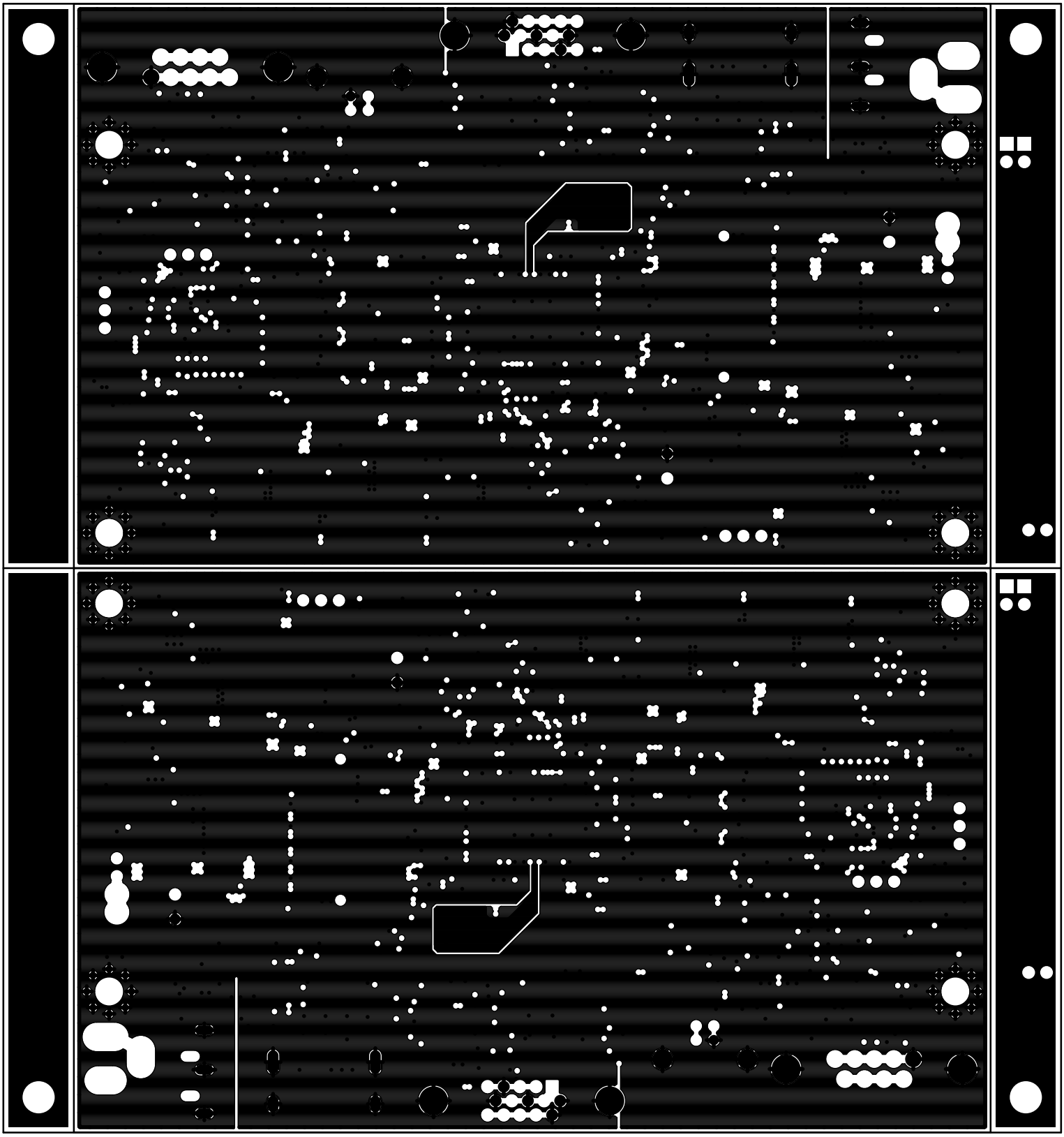


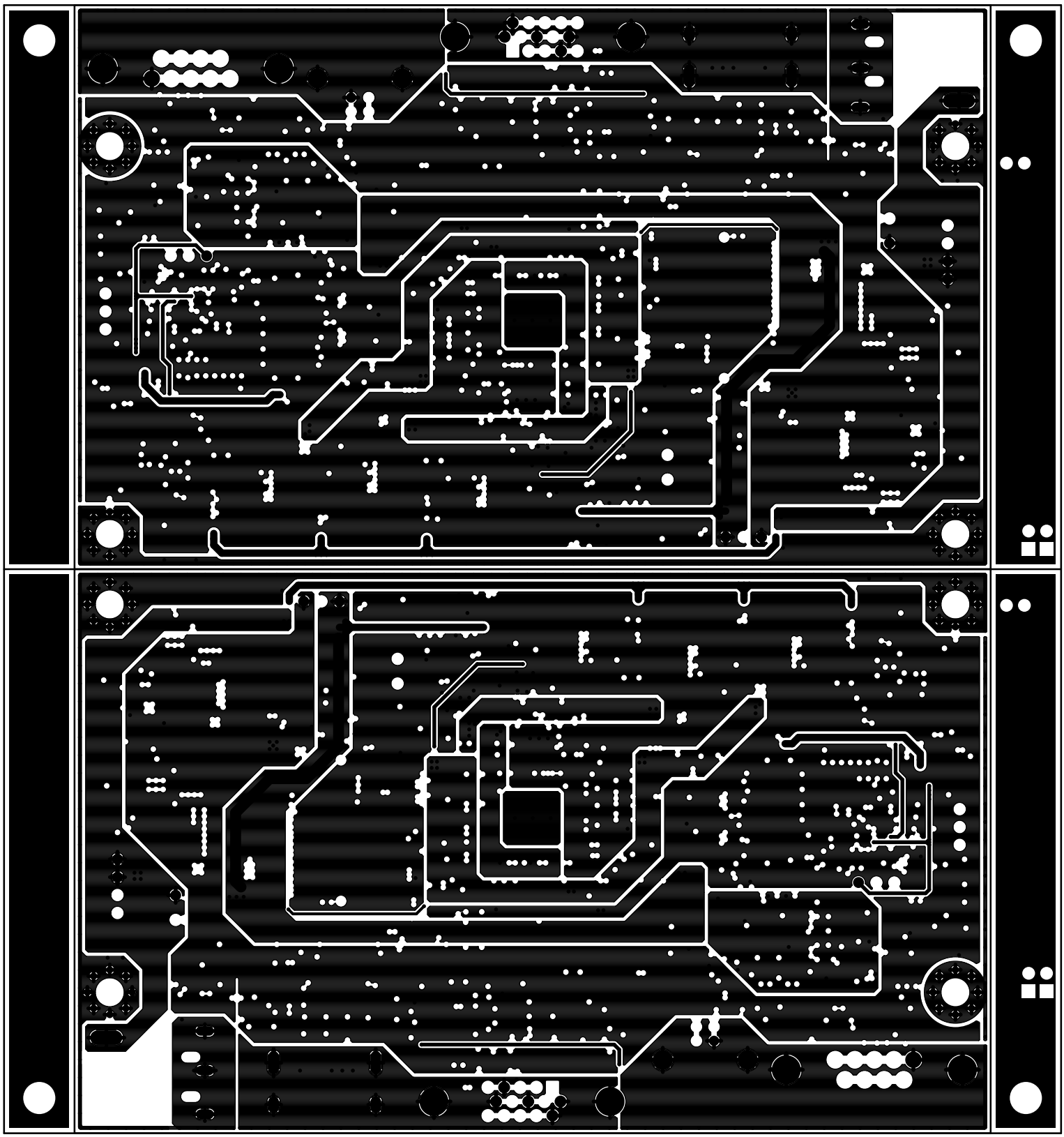
ST018C24853



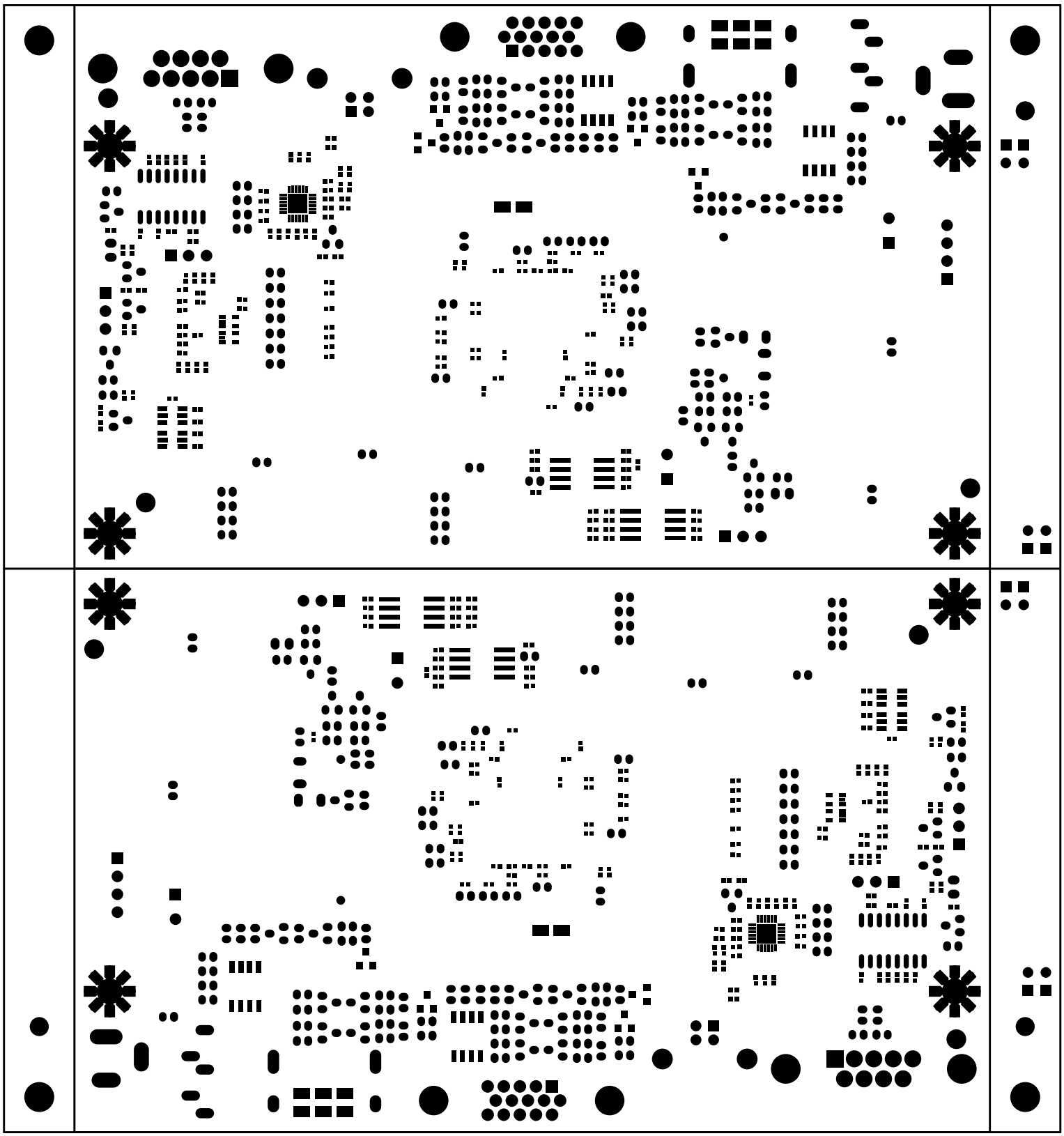
L1 100ohm 4/4/4mil

L1 90ohm 5/4.5/5mil

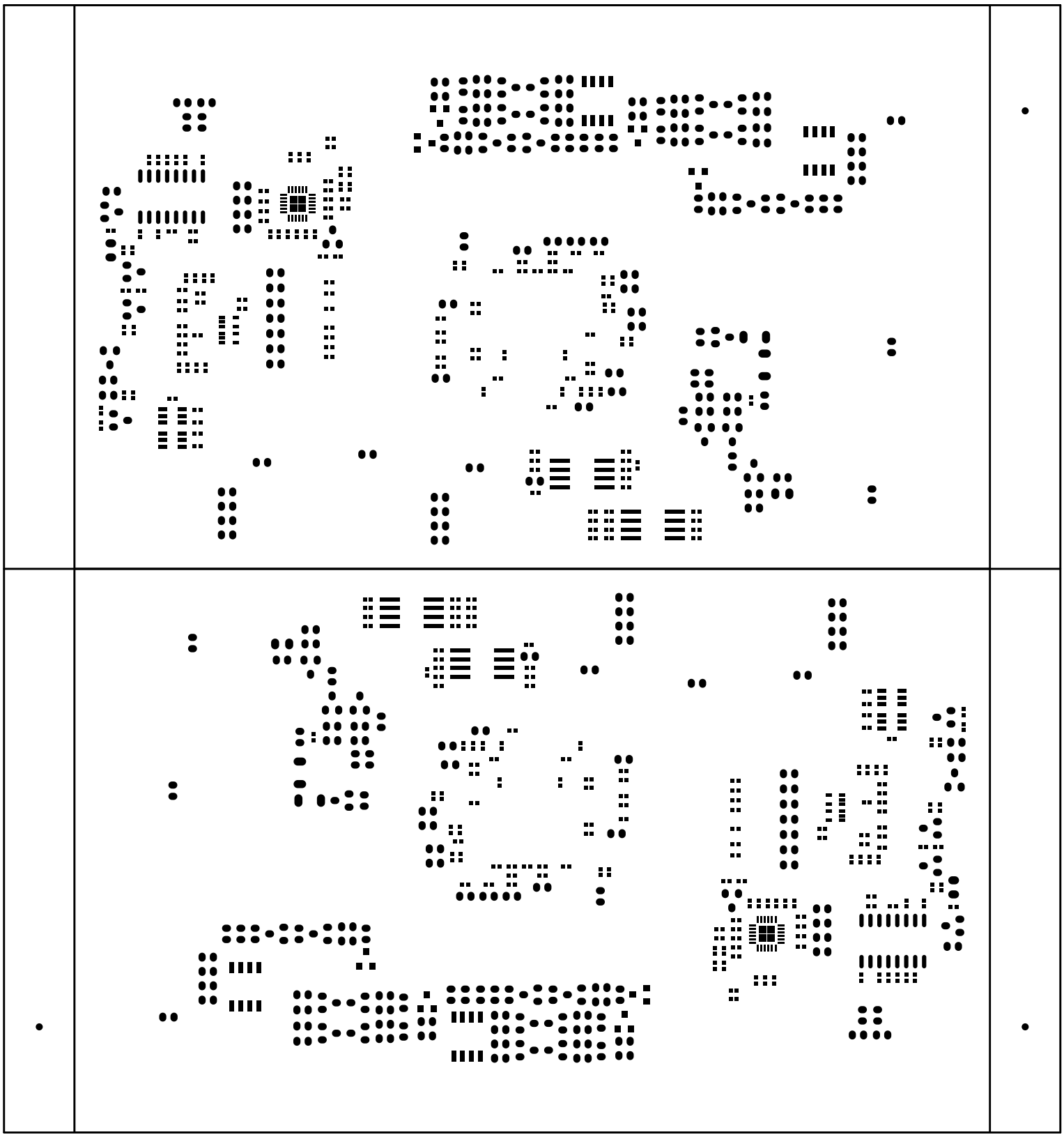


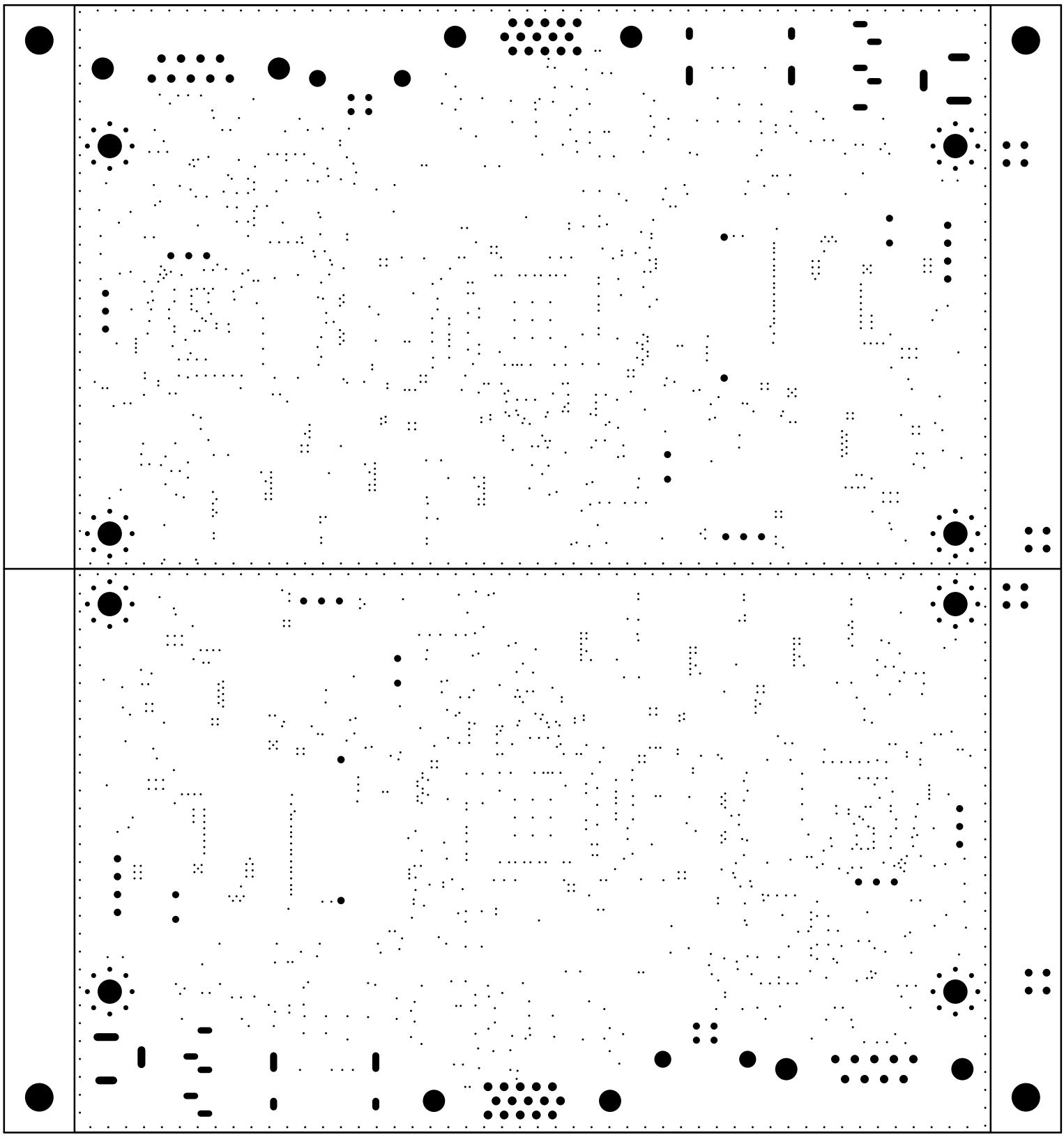


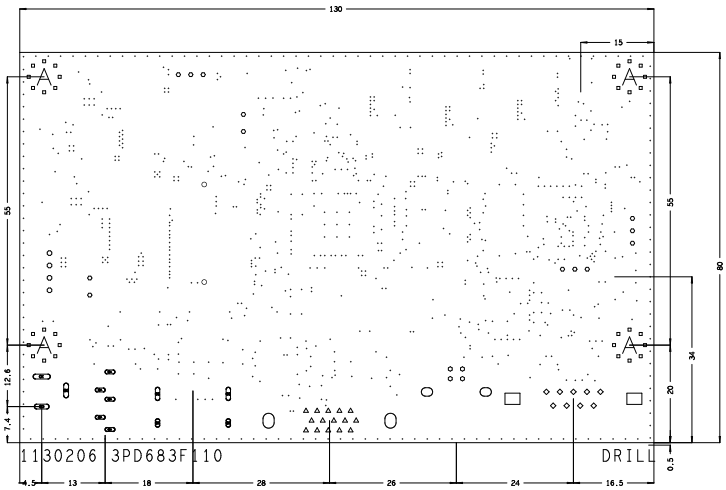
1.4mm, 4-layer
100mm x 150mm
1.4mm, 4-layer
300mm x 252mm



AD-BOARD14
CAUTION
ESD
BARCODE
AD-BOARD14
CAUTION
ESD
BARCODE







DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	FINISHED_SIZE	ROTATION	PLATED	QTY
·	10.0	-	PLATED	983
▫	24.0	-	PLATED	32
◦	35.0	-	PLATED	13
◦	36.0	-	PLATED	4
◦	37.0	-	PLATED	4
◇	44.0	-	PLATED	9
△	45.0	-	PLATED	15
⬭	91.0	-	PLATED	2
O	120.0	-	PLATED	2
□	121.0	-	PLATED	2
◦	39.0	-	NON-PLATED	2
A	134.0	-	NON-PLATED	4
⬮	66.93x35.43	90.000	PLATED	2
▬	78.74x31.5	0.000	PLATED	5
⬮	106.3x35.43	90.000	PLATED	2
⬮	118.0x39.0	90.000	PLATED	1
▬	118.0x39.0	0.000	PLATED	1
▬	138.0x39.0	0.000	PLATED	1