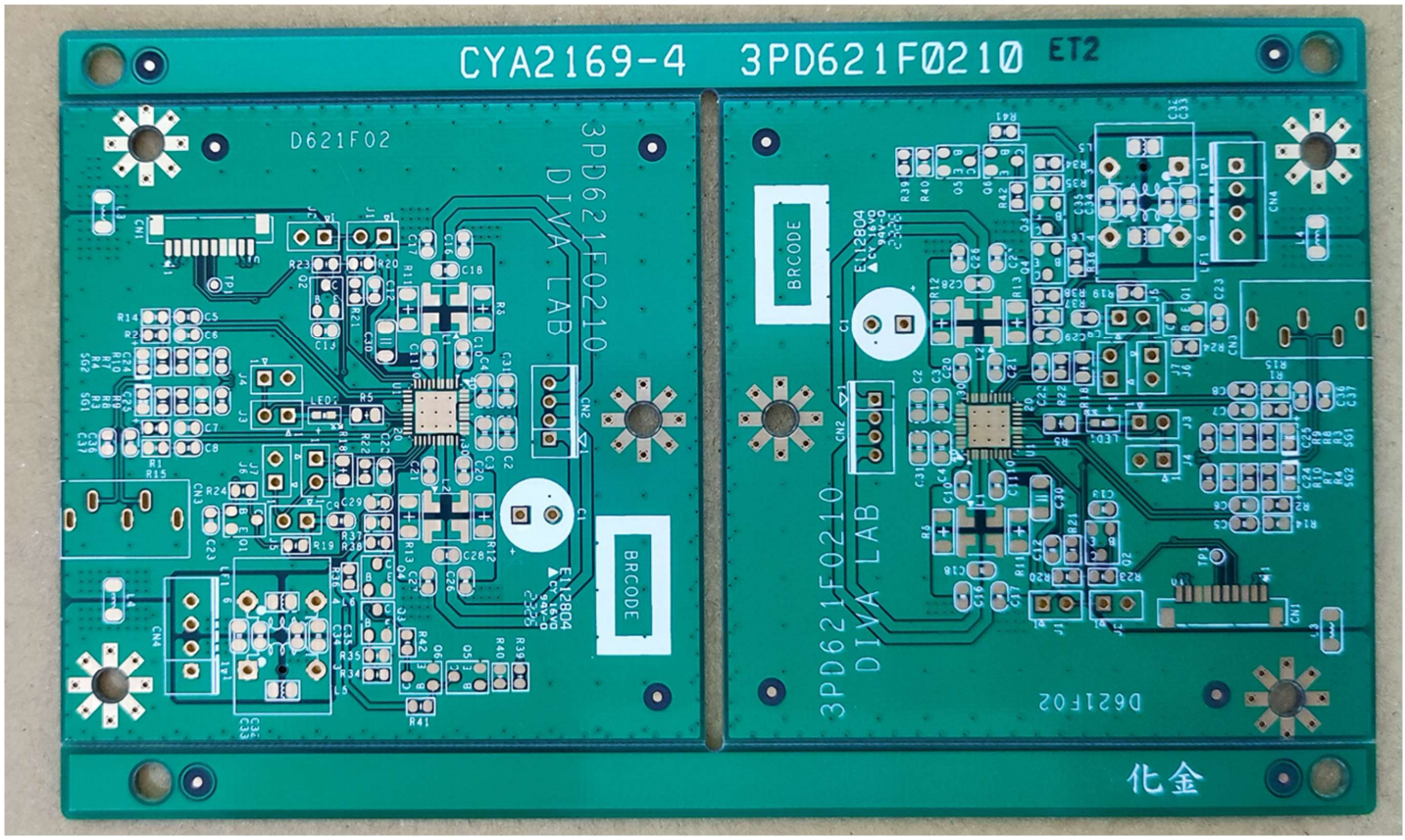
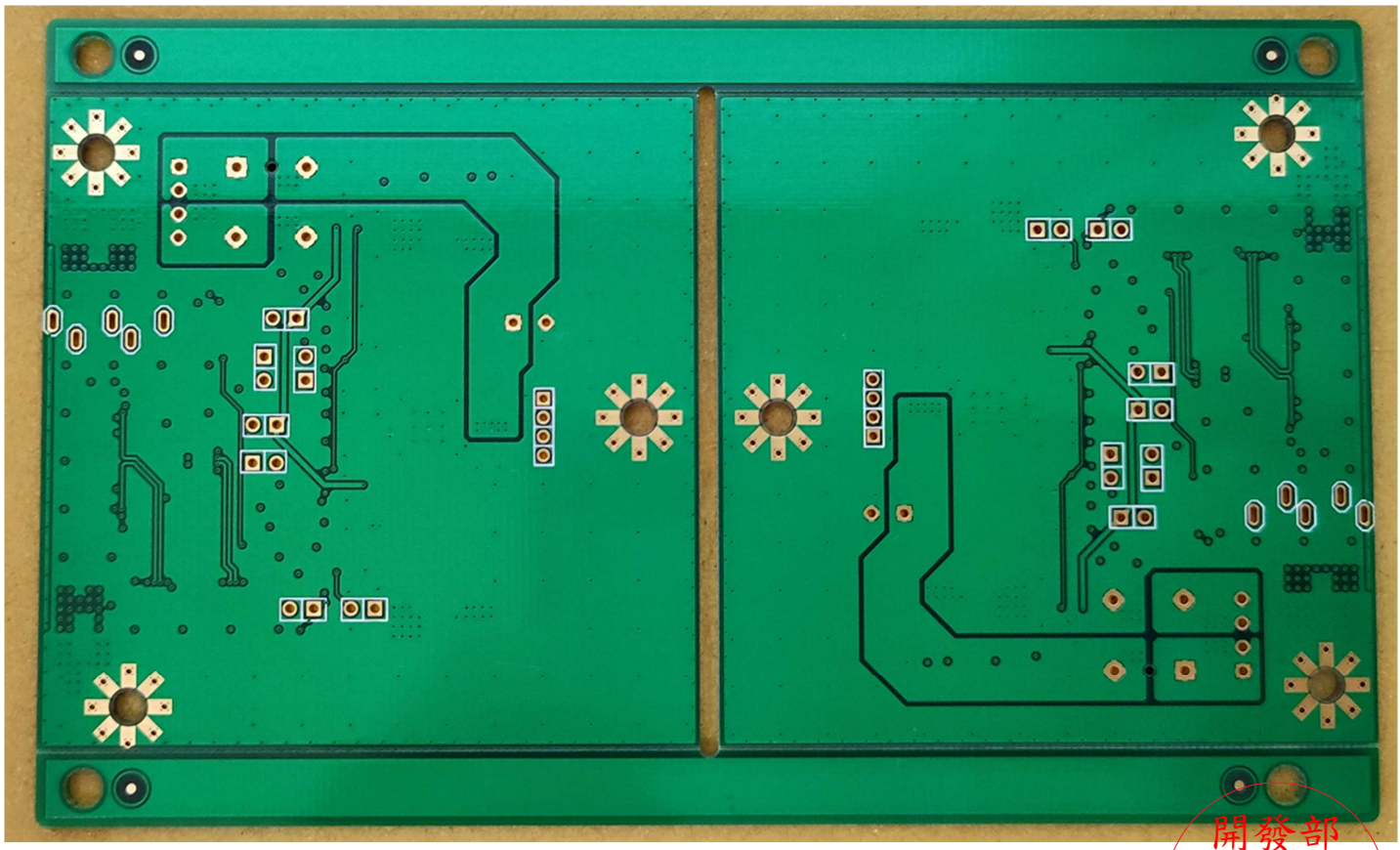




開發部
2023.07.18
發行
鈺緯科技開發股份有限公司

樣 品 承 認 書

日期 :2021 年 08 月 18 日

客 戶 名 稱: 鈺 緯 科 技 開 發 股 份 有 限 公 司

機 種 品 名: 3PD621F0210 S8,Louisville Audio BD (P0321)

規 格: 70×70mm(單片) 142×86mm (2 連片)

材 質: 南亞 FR4×1.6t 1/1oz (化金 1u") CYA2169-4

認 定 日 期:

客戶認定簽章:

開發部
2023.07.18
發行
鈺緯科技開發股份有限公司

千友企業有限公司
TEL:22051091
FAX:22028968
新莊區建國二路85-10號

歐
110.8.18
稚芊

千友企業有限公司
(CHIAN YOU CO., LTD)
台北縣新莊市建國二路 85 之 10 號
E-mail: chianyou@chainyao.hinet.net
TEL:008862-22051091 FAX:008862-22028968

冠亨發展有限公司
(GROW FAST DEVELOPMENT LIMITED)
香港銅鑼灣希慎道八號裕景商業中心一二 0 三室
TEL:00852-25177833 FAX:00852-28487788

冠亨電子廠 (GROW FAST FTY)
中國東莞市常土塘管理區
E-mail: Effer@growfstpcb.com
TEL:(86-769)83391842 FAX:(86-769)83395142

千友(惠洲)電子有限公司
CHIAN YOU (HUIZHOU)ELECTRONICS CO.,LTD
惠洲市博羅縣石灣鎮源潯路北
E-mail:James@chainyou.com
TEL:(86-752)6617996 FAX:(86-752)6619932

CONFIRMATION LIST MATERIAL

1.PART NAME(品名) :PRINTED CIRCUIT BOARD

2.MODEL NO (機種) : 3PD621F0210 (P0321)

3.PART NO (材料編號:) : S8,Louisville Audio BD

4.SUPPLIER (製造廠商) : CHIAN YOU. CO. ,LTD(千友企業有限公司)

5.DATE (日期) : 2021/08/18 (CYA2169-4)

NO	DESCRIPTION	MATERIAL	GRADE	CATALOG	MANUFACTURER
1	P.C.BOARD 印刷電路板	NP-140TL	94V-0	E98983 CE/2020/ 94440 2020/9/30	NAN YA PLASTICS CORP CO.,LTD (南亞塑膠工業股份 有限公司)
2	PRINTING OF PLATING (線路印刷)	PR3003/ ER1006	X	X	ENTHONE
3	PRINTING OF SOLDER MASK (防焊印刷) (綠色油墨)	PSR-2000BF/ CA-25BF (PSR-2000LF 07S/ CA-25CE70)	94V-0	E69262 ETR20C04739 2021/1/4	TAIYO INK MFG CO LTD. (台灣太陽油墨股份 有限公司)
4	LEGEND INK (文字印刷) (白色油墨)	ZSR-150(W)	94V-0	E112960 ETR20B00512 M01 2020/11/10	CHUNG-YU INDUSTRY CORP. (川裕工業股份 有限公司)
5	903-0000-020	金氰化鉀	X	(6221) 049-0087 2021/2/18	HON HAI PRECISION IND. CO.,LTD (鴻海精密工業) 股份有限公司)

REMARK : SIGANTURE :

(簽 章)

千友企業有限公司
TEL:22051091
FAX:22028968
新莊區建國二路85-10號

千 友 企 業 有 限 公 司

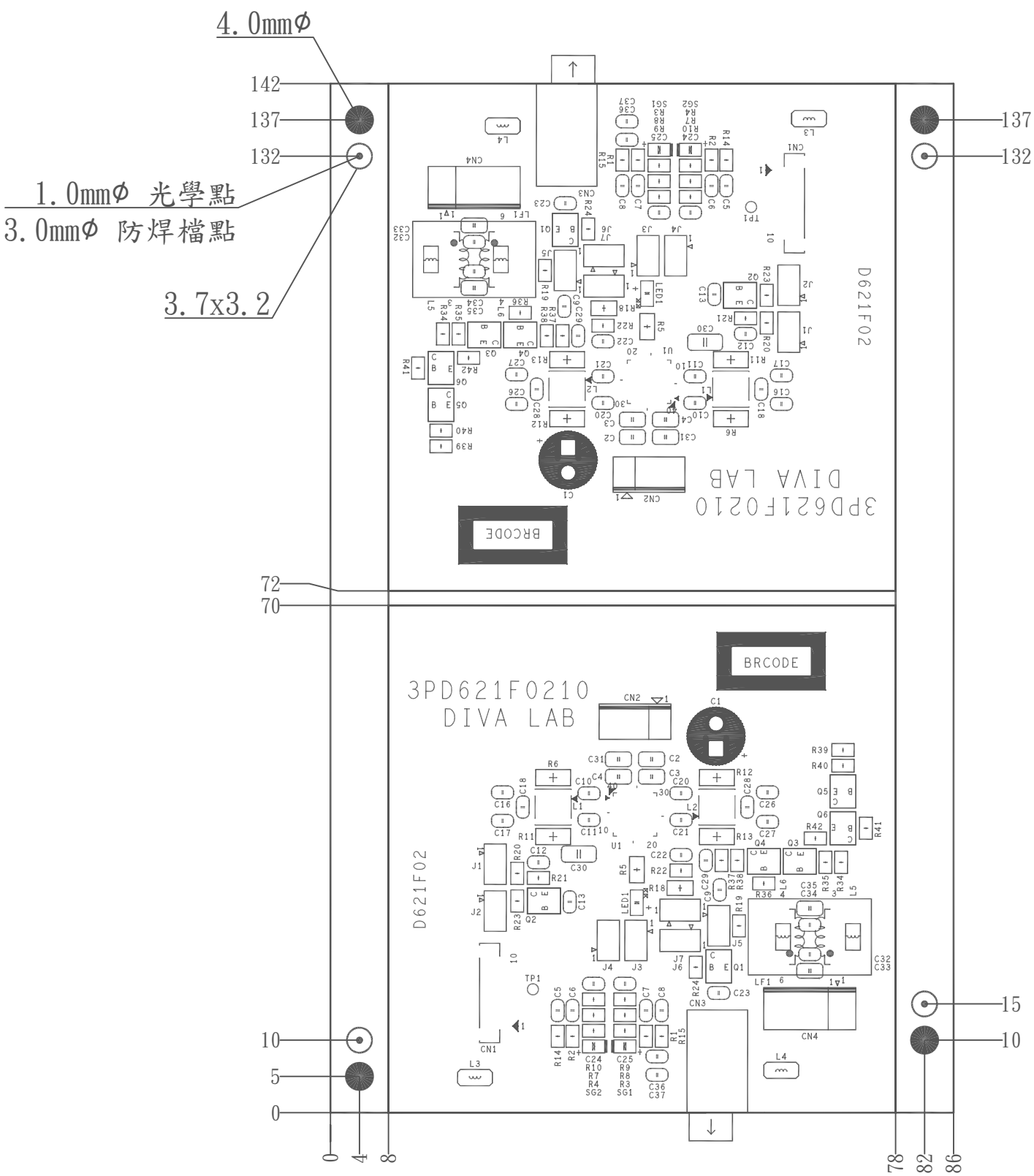
PCB 出貨檢驗紀錄表

客　戶	鈺緯科技開發股份有限公司	送承日期	2021/08/18	電腦代號	CYA2169-4
料　號	3PD621F0210 (P0321)	判定基準	MIL-STD-105E		
機　種	S8,Louisville Audio BD	出貨數量	1 組		
層　面	四層板	抽 驗 數	1 組	不良率	0 %
材　質	南亞 FR4x1.6t 1/1	檢驗結果	放行	OK	收回

項目 內容	A	線　路	B	防 焊 (綠色油墨)	C	正、背文 (白色油墨)	D	化金 (1u")	E	V-CUT 0.30±0.05mm
		OK		OK		OK		OK		OK

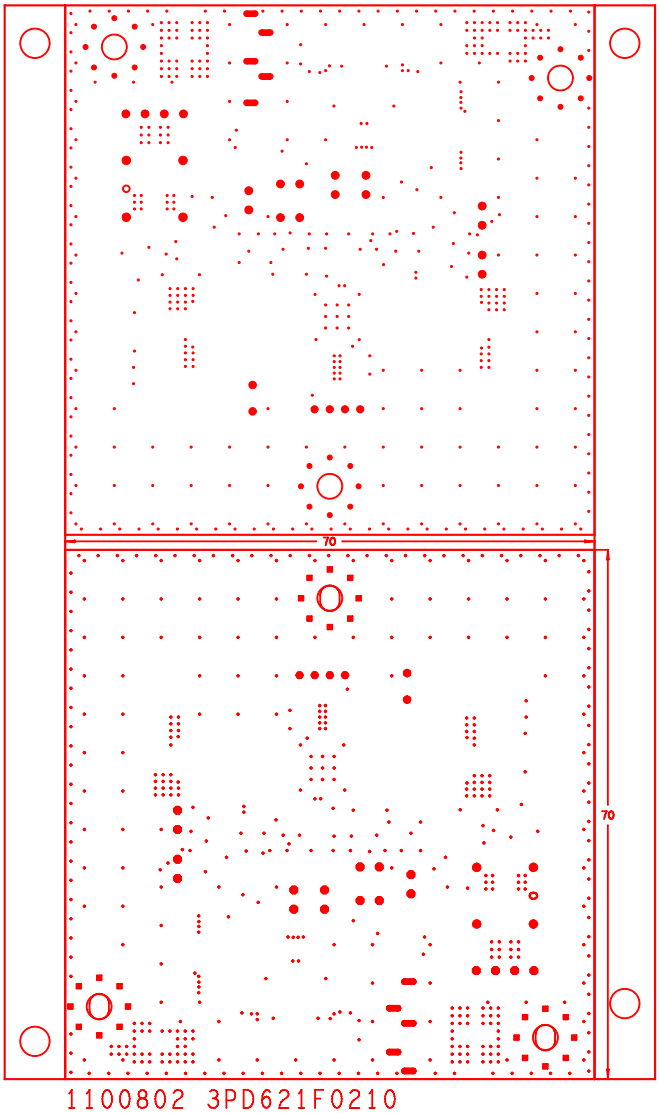
板厚 ±0.16t	1.60t	1.55t	1.56t	1.55t	1.56t	1.55t	1.56t	1.55t	1.56t	1.56t
孔徑	1)0.25 ±0.0762	塞孔	塞孔	塞孔	塞孔	塞孔	塞孔	塞孔	塞孔	塞孔
	2)0.60 ±0.0762	0.60	0.60	0.625	0.60	0.60	0.625	0.60	0.60	0.625
	3)0.85 ±0.0762	0.90	0.925	0.90	0.90	0.925	0.925	0.925	0.90	0.925
	4)0.90 ±0.0762	0.95	0.95	0.975	0.975	0.975	0.95	0.975	0.95	0.975
	5)0.95 ±0.0762	1.00	1.025	1.00	1.025	1.025	1.00	1.025	1.025	1.00
	6)1.00 ±0.0762	1.075	1.05	1.075	1.075	1.075	1.05	1.075	1.05	1.075
	7)1.00 ±0.0762	1.05	1.075	1.075	1.05	1.05	1.075	1.075	1.075	1.05
	8)1.00 ±0.05	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025
	9)3.40 ±0.05	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42
	10)4.00 ±0.05	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02
	11)1.75 X0.65mm ±0.125	1.85 X0.75	1.85 X0.76	1.85 X0.76	1.85 X0.75	1.85 X0.75	1.85 X0.75	1.85 X0.76	1.85 X0.75	1.85 X0.76
單片	1)70.00 ±0.127mm	70.00 mm	70.00 mm	70.00 mm	70.00 mm	70.00 mm	70.00 mm	70.00 mm	70.00 mm	70.00 mm
	2)70.0 ±0.127mm	70.12 mm	70.11 mm	70.12 mm	70.11 mm	70.12 mm	70.11 mm	70.12 mm	70.11 mm	70.11 mm

外型	1)142.00 ±0.20mm	142.00 mm	142.00 mm	142.00 mm	142.00 mm	142.00 mm	142.00 mm	142.00 mm	142.00 mm	142.00 mm
	2)86.00 ±0.20mm	86.00 mm	86.00 mm	86.00 mm	86.00 mm	86.00 mm	86.00 mm	86.00 mm	86.00 mm	86.00 mm
化金厚度/鎳厚度	1u"/ 120u"	1.28u"/ 132.83u"	1.29u"/ 138.1u"	1.15u"/ 139.47u"	1.18u"/ 137.32u"	1.20u"/ 138.68u"	1.12u"/ 137.65u"	1.36u"/ 132.9u"	1.20u"/ 139.42u"	1.32u"/ 137u'
工程主管：陳紋						檢驗者：歐稚芊 (許志豪)				

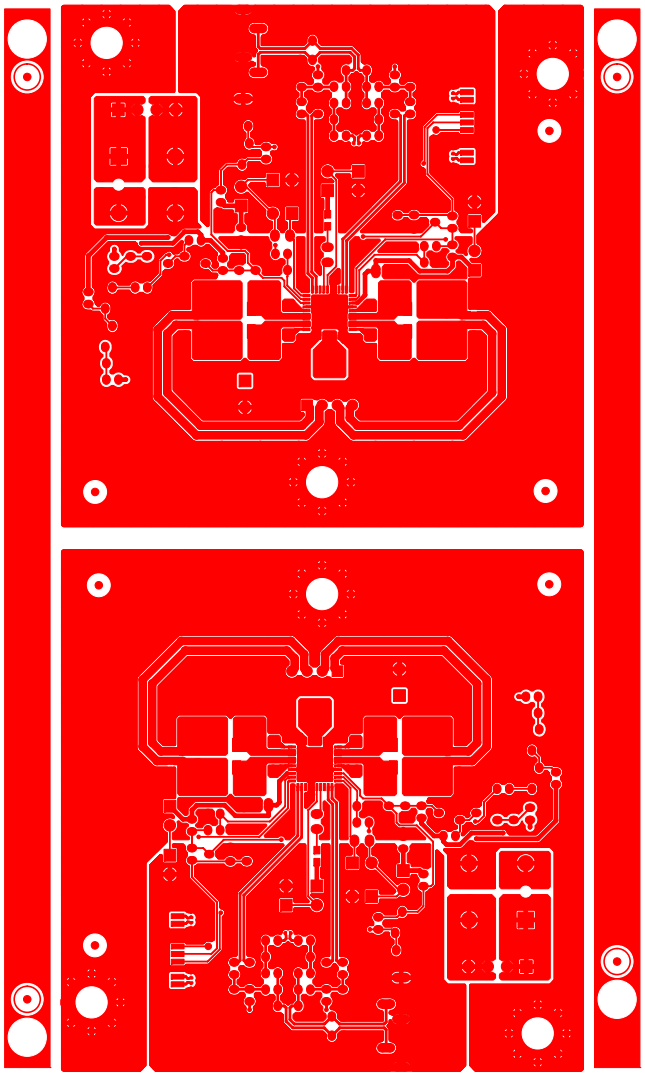

4.0mmΦ
142
137
132
1.0mmΦ 光學點
3.0mmΦ 防焊檔點
3.7x3.2
137
132
72
70
10
5
0
15
10
0
4
8
78
82
86
3PD621F0210
DIVA LAB
BRCODE
D621F02

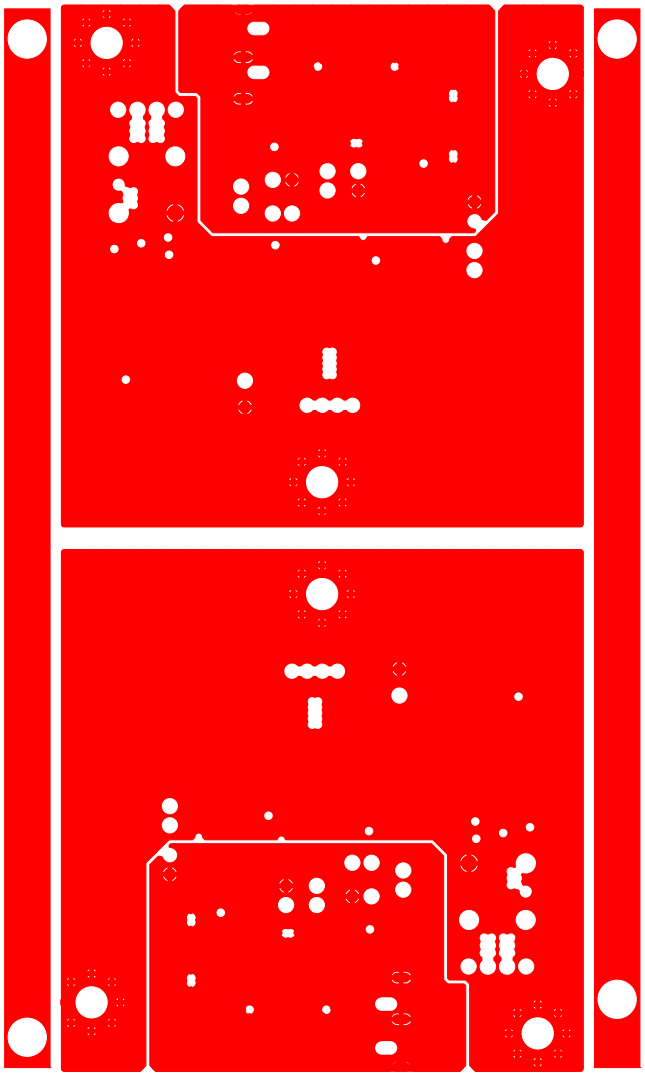
DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	FINISHED_SIZE	PLATED	QTY
·	10.0	PLATED	478
▫	24.0	PLATED	24
◦	34.0	PLATED	4
◦	35.0	PLATED	2
◦	37.0	PLATED	18
◇	40.0	PLATED	1
△	40.0	PLATED	3
◦	40.0	NON-PLATED	1
○	134.0	NON-PLATED	3
▭	70.0x25.0	PLATED	5

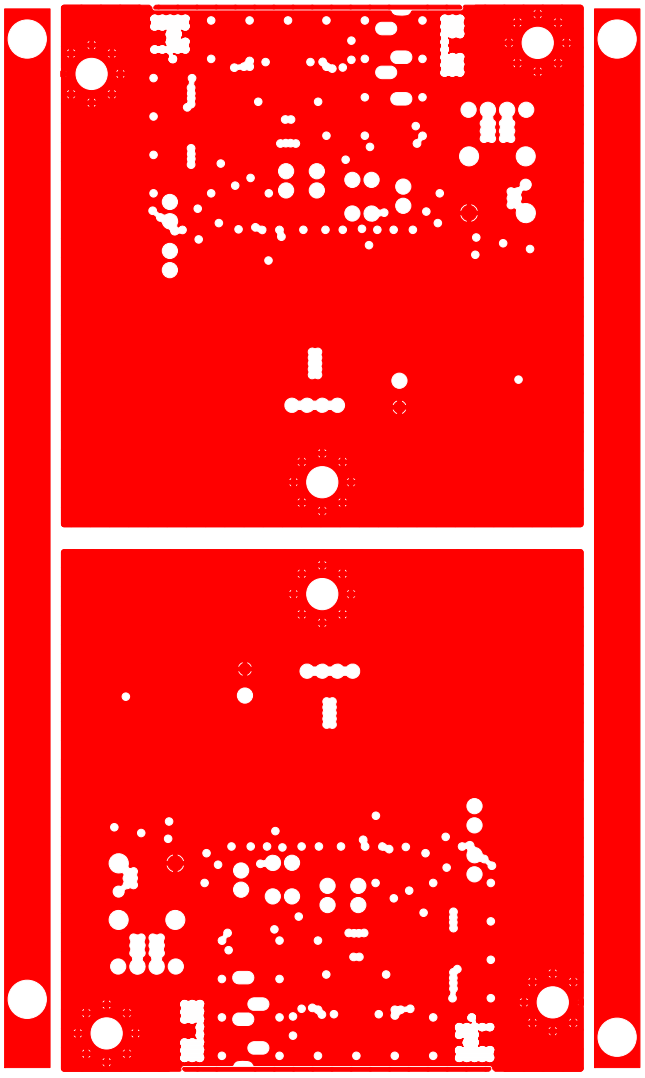
DRILL

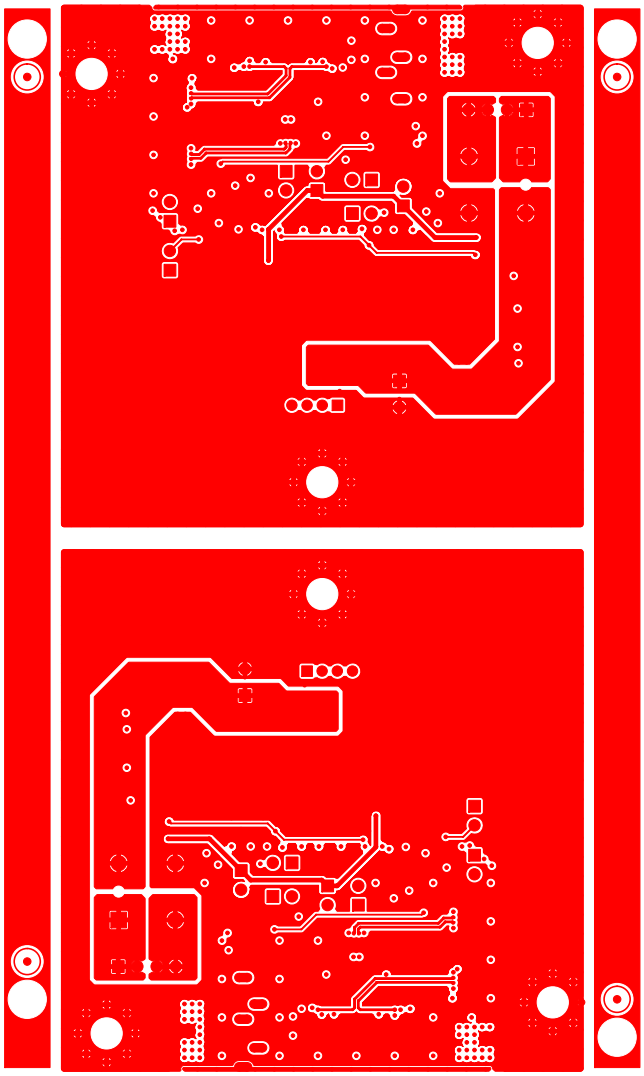


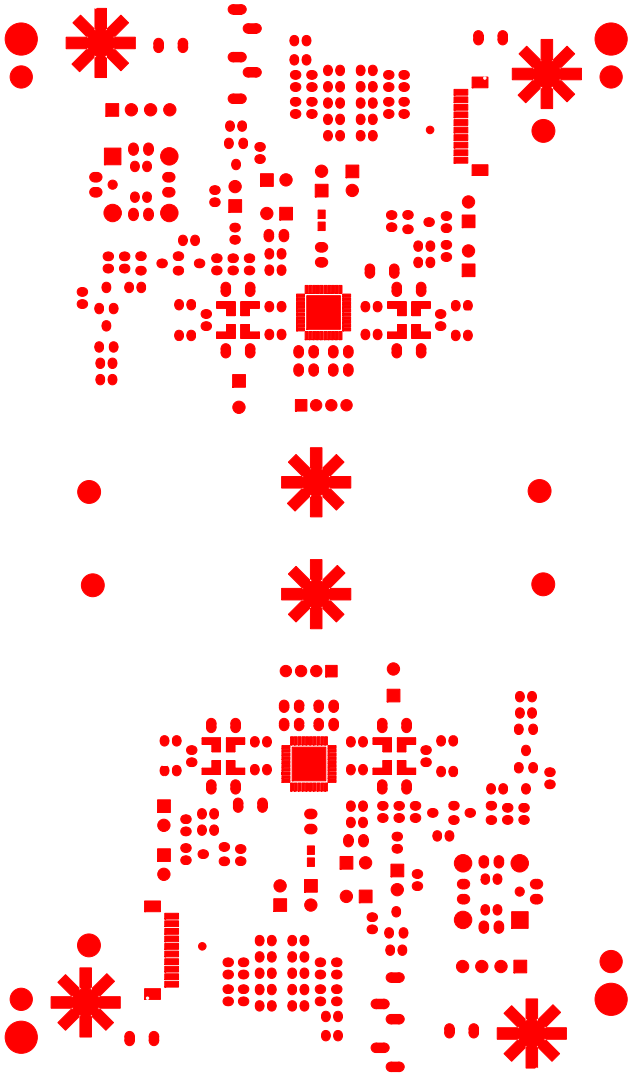
1100802 3PD621F0210

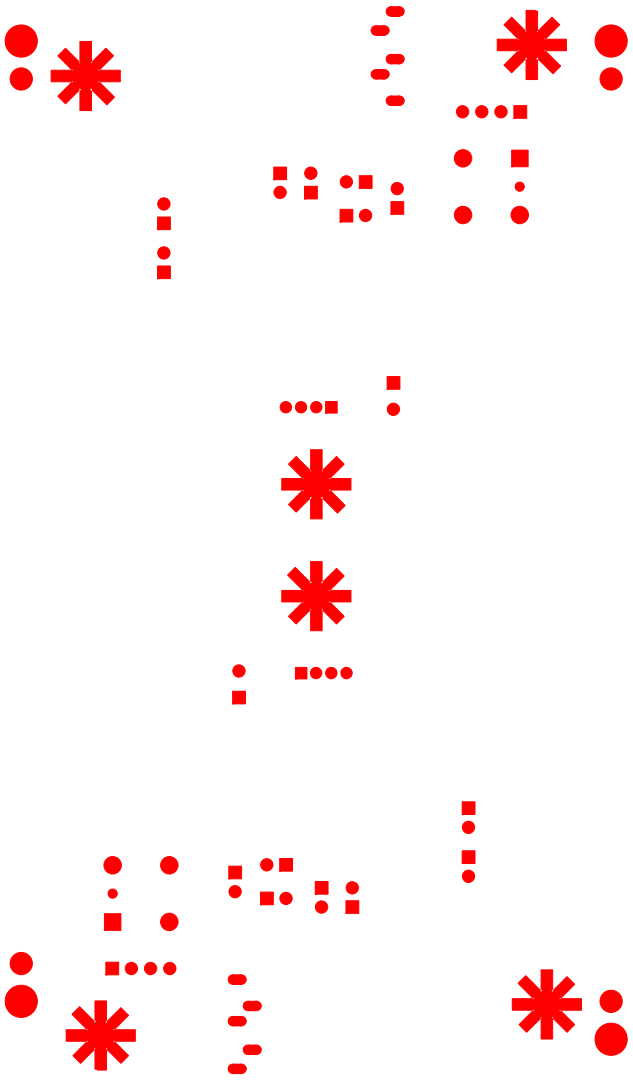




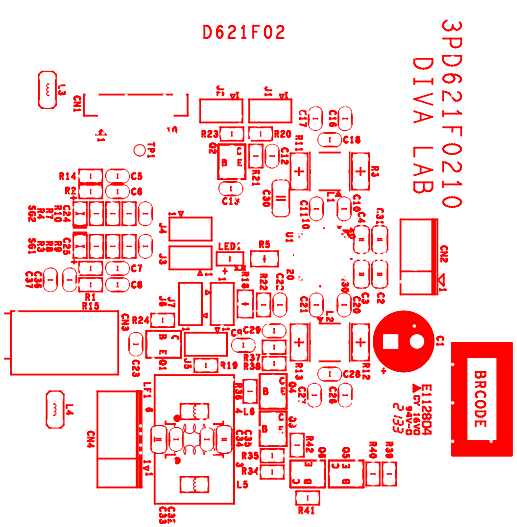


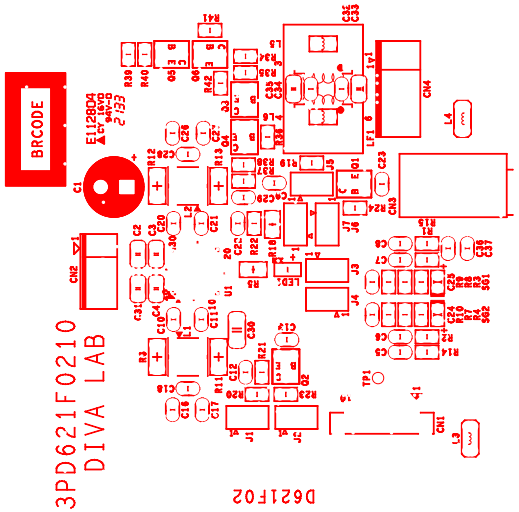




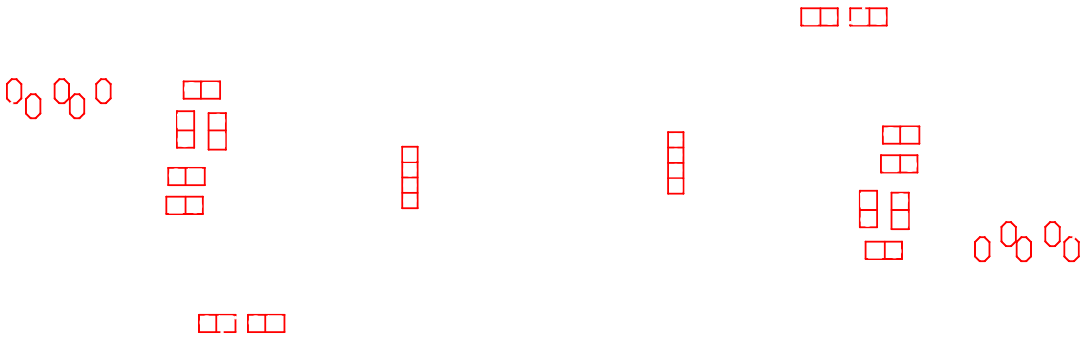


CYA2169-4 3PD621F0210





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ONLINE CERTIFICATIONS DIRECTORY

QMTS2.E98983
Polymeric Materials - Filament-wound Tubing, Industrial Laminates, Vulcanized Fiber, and Materials for Use in Fabricating Recognized Printed Wiring Boards - Component

For enhanced search functionality, please visit UL's iQ™ Family of Databases.
Click on a product designation for complete information.

Page Bottom

Polymeric Materials - Filament-wound Tubing, Industrial Laminates, Vulcanized Fiber, and Materials for Use in Fabricating Recognized Printed Wiring Boards - Component

See General Information for Polymeric Materials - Filament-wound Tubing, Industrial Laminates, Vulcanized Fiber, and Materials for Use in Fabricating Recognized Printed Wiring Boards - Component

NAN YA PLASTICS CORP CCL DEPT ELECTRONIC MATERIAL DIV E98983
201 TUNG HWA N RD
TAIPEI, 10508 TAIWAN

High density interconnect - resin coated foils:

		Core		Dielectric			R.T.I.				H			
Mtl Dsg	Color	Min Thk (mm)	Max Thk (mm)	Min Thk (mic)	Max Thk (mic)	Flame Class	Elec (°C)	Mech (°C)	HWI	HAI	VTR	CTI	Meets 746E Non-HAL	Meets 746E DSR
ANSI FR-4.0 core with Epoxy (EP) dielectric, High density interconnect - resin coated foils, furnished as sheets.														
NPRCC ($2)@&, NPRC180 ($2)@&, NPRCC(H) ($2)@&														
	NC	0.10	-	35	110	V-0	90	-	0	4	-	4	-	-
NPRCCG ($4)@&, NPRC180G ($4)@&														
	NC	0.10	-	35	110	V-0	90	-	0	1	-	4	-	-
UL ANSI FR-4.0 core with Epoxy (EP) dielectric, High density interconnect - resin coated foils, furnished as sheets.														
NPRCF @	NC	0.035	-	25	110	V-0	-	-	-	-	-	-	-	-

Industrial laminates:

			Build up		R.T.I.				H			
Mtl Dsg	ANSI Type	Color	Min Thk (mm)	Flame Class	Elec (°C)	Mech (°C)	HWI	HAI	VTR	CTI	Meets 746E Non-HAL	Meets 746E DSR
Epoxy Industrial laminates, furnished as sheets.												
NPG-181	No ANSI	NC	0.02	VTM-0	90	90	4	4	-	-	Yes	-
			0.03	V-0	90	90	4	3	-	-	-	Yes
			0.10	V-0	90	90	1	0	-	-	-	Yes
			0.20	V-0	90	90	1	0	-	-	-	Yes
			0.38	V-0	90	90	1	0	-	-	-	Yes
			0.63	V-0	90	90	0	0	-	-	-	Yes
			1.40	V-0	90	90	0	0	-	2	-	Yes
Epoxy (EP) Industrial laminates, furnished as sheets.												
NPG-180BH	No ANSI	NC	0.05	V-0	90	90	4	1	-	-	Yes	Yes
			0.10	V-0	90	90	4	0	-	-	-	Yes
			0.20	V-0	90	90	4	0	-	-	-	Yes
			0.38	V-0	90	90	2	0	-	-	-	Yes
			0.63	V-0	90	90	1	0	-	-	-	Yes
			1.40	V-0	90	90	0	0	-	2	-	Yes
NPG-186	No ANSI	NC	0.04	V-0	90	90	5	0	-	-	Yes	-

			0.10	V-0	90	90	4	0	-	-	-	Yes
			0.20	V-0	90	90	4	0	-	-	-	Yes
			0.38	V-0	90	90	4	0	-	-	-	Yes
			0.80	V-0	90	90	0	0	-	-	-	Yes
			1.60	V-0	90	90	0	0	-	1	-	Yes
Industrial laminates, furnished as rolls.												
NPG-PYR, NPG-PYTL, NPG-170PYR, NPG-170PYTL												
	No ANSI	NC	0.38	V-0	150	115	0	0	-	-	-	Yes
			0.63	V-0	160	150	0	0	-	-	-	Yes
			1.40	V-0	170	160	0	0	-	0	-	Yes
NPGN-150PYR, NPGN-150PYTL												
	FR-4.1	NC	0.63	V-0	130	140	0	0	-	-	Yes	Yes
			1.40	V-0	130	140	0	0	-	0	-	Yes
Industrial laminates, furnished as sheets.												
CEM-1-05	CEM-1	NC	0.63	V-0	130	140	3	2	-	-	-	Yes
			1.40	V-0	130	140	1	2	-	0	-	Yes
CEM-1-05PY, CEM-1-08												
	No ANSI	NC	0.63	V-0	90	90	0	4	-	-	-	-
			1.40	V-0	90	90	0	4	-	0	-	-
CEM-1-87, UV Block CEM-1-87												
	CEM-1	NC	0.64	V-0	130	140	3	2	0	-	-	Yes
			1.40	V-0	130	140	1	2	0	3	-	Yes
CEM-1-97, CEM-1-97 PM, UV Block CEM-1-97												
	CEM-1	NC	0.64	V-0	130	140	3	2	-	-	-	Yes
			1.40	V-0	130	140	1	2	-	0	-	Yes
CEM-3-01PY, CEM-3-09, CEM-3-01 HC, CEM-3-09HT												
	CEM-3	NC	0.63	V-0	130	140	0	2	-	-	-	Yes
			1.40	V-0	130	140	0	2	-	0	-	Yes
CEM-3-86, UV Block CEM-3-86												
	CEM-3	NC	0.64	V-0	130	140	0	0	-	-	-	Yes
			1.40	V-0	130	140	0	0	0	3	-	Yes
CEM-3-92 PY, CEM-3-10, CEM-3-16												
	CEM-3	NC	0.63	V-0	130	140	0	2	-	-	-	Yes
			1.40	V-0	130	140	0	2	-	0	-	Yes
CEM-3-92, UV Block CEM-3-92												
	CEM-3	NC	0.64	V-0	130	140	0	2	-	-	-	Yes
			1.40	V-0	130	140	0	2	-	3	-	Yes
CEM-3-95	CEM-3	BK	0.64	V-0	130	140	0	0	-	-	-	Yes
			1.40	V-0	130	140	0	0	-	3	-	Yes
CEM-3-98, CEM-3-86PY												
	No ANSI	NC	0.64	V-0	120	120	0	3	-	-	-	Yes
			1.40	V-0	120	120	0	3	-	0	-	Yes
FR-4-11PYR, FR-4-11PYTL												
	FR-4.0	NC	0.38	V-0	130	130	0	0	-	-	-	Yes
			0.63	V-0	130	140	0	0	-	-	-	Yes
			1.40	V-0	130	140	0	0	-	0	-	Yes
FR-4-86 (#1), FR-4-TL (#1)												
	FR-4.0	NC	0.18	V-0	130	105	0	0	-	-	-	Yes
			0.38	V-0	130	130	0	0	-	-	-	Yes

			0.64	V-0	130	140	0	0	-	-	-	Yes
			1.40	V-0	130	140	0	0	0	3	-	Yes
FR-4-98, FR-4-86PY, NP-140TLPY												
	No ANSI	NC	0.38	V-0	130	120	0	3	-	-	-	Yes
			0.64	V-0	130	120	0	3	-	-	-	Yes
			1.40	V-0	130	125	0	3	-	0	-	Yes
NP-140R (#2), NP-140TL (#2), NP-140MR (#2), NP-140MTL (#2)												
	FR-4.0	NC	0.04	V-0	120	130	3	4	-	-	-	-
			0.25	V-0	120	130	3	3	-	-	-	Yes
			0.38	V-0	130	130	0	3	-	-	-	Yes
			0.64	V-0	130	140	0	3	4	-	-	Yes
			1.40	V-0	130	140	0	2	4	3	-	Yes
NP-150TL, NP-150R												
	FR-4.0	NC	0.20	V-0	130	130	0	3	-	-	-	Yes
			0.38	V-0	130	130	0	3	-	-	-	Yes
			0.64	V-0	130	140	0	3	-	-	-	Yes
			1.40	V-0	130	140	0	2	-	4	-	Yes
NP-155R, NP-155TL, NP-175R, NP-175TL												
	FR-4.0	NC	0.38	V-0	130	130	0	3	-	-	-	Yes
			0.64	V-0	130	140	0	3	-	-	-	Yes
			1.40	V-0	130	140	0	2	-	3	-	Yes
NP-170R, NP-170TL, NP-170SR, NP-170STL, NP-170DR, NP-170DTL												
	FR-4.0	NC	0.035	V-0	-	-	-	-	-	-	-	-
			0.040	V-0	90	90	0	4	-	-	-	-
			0.380	V-0	130	130	0	3	-	-	-	Yes
			0.640	V-0	130	140	0	0	0	-	-	Yes
			1.400	V-0	130	140	0	0	0	3	-	Yes
NP-175FBH-15												
	FR-15.0	NC	0.20	V-0	150	150	0	0	-	-	-	Yes
			0.38	V-0	150	150	0	0	-	-	-	Yes
			0.63	V-0	150	150	0	0	-	-	-	Yes
			1.40	V-0	150	150	0	0	-	3	-	Yes
NP-175FR, NP-175FTL, NP-155FR, NP-155FTL, NP-180FR, NP-180FTL, NP-175FMR, NP-175FMTL, NP-155FMR, NP-155FMTL, NP-175FBH, NP-155FBH												
	FR-4.0	NC	0.20	V-0	130	130	0	0	-	-	-	Yes
			0.38	V-0	130	130	0	0	-	-	-	Yes
			0.64	V-0	130	140	0	0	-	-	-	Yes
			1.40	V-0	130	140	0	0	-	3	-	Yes
NP-180R, NP-180TL												
	FR-5	NC	0.38	V-0	140	140	3	3	-	-	-	Yes
			0.64	V-0	140	160	3	3	-	-	-	Yes
			1.60	V-0	170	180	2	2	-	4	-	Yes
NP-196	FR-4.0	NC	0.04	V-0	-	-	-	-	-	-	-	-
			0.25	V-0	-	-	-	-	-	-	-	-
			0.38	V-0	130	130	0	3	-	-	-	Yes
			0.64	V-0	130	140	0	3	-	-	-	Yes
			1.40	V-0	130	140	0	2	-	3	-	Yes
NP-200R, NP-200TL												
	No ANSI	NC	0.20	V-0	130	115	0	0	-	-	-	Yes

	NPN-150R, NPN-150TL, NPN-170R, NPN-170TL, NPGN-150R, NPGN-150TL, NPGN-170R, NPGN-170TL, NPGN-150LKR, NPGN-150LKTL, NPGN-170MR, NPGN-170MTL, NPGN-150S	-	FR-4.0	0.03	-	-	-	-	V-0	-	288	30
Metal clad industrial laminates for use in single layer printed wiring boards with copper on one or both sides (Flammability Only Recognition).												
NPRF	NPRF	-	No ANSI	0.04	-	-	-	-	V-0	-	288	30

& - The Mechanical RTI of the combination is equal to the Mechanical RTI of the core laminate at the evaluated minimum thickness.

(#1) - GWIT/GWFI 960/960 at 0.38 mm build up in accordance with IEC 60695-2-13 for GWIT and with IEC 60695-2-12 for GWFI.

(#2) - GWIT/GWFI 960/960 at 0.10 mm and 0.065 mm in accordance with IEC 60695-2-13 for GWIT and with IEC 60695-2-12 for GWFI.

(#3) - GWIT/GWFI 930/960 at 0.38 mm build up, GWIT/GWFI 900/960 at 0.10 mm, and GWIT/GWFI 875/960 at 0.065 mm in accordance with IEC 60695-2-13 for GWIT and with IEC 60695-2-12 for GWFI.

(#5) - NPRCHT and NPRCHTA may be shipped as a B-stage insulation sheet without being adhered to a metal substrate. PWB manufacturer must adhere to aluminum or copper metal base as specified above, within thickness range Recognized.

($2) - Ratings apply to a single sheet of NPRCC, NPRC180. When a single sheet of NPRCC, NPRC180 is used in combination with a UL/ANSI FR-4.0 laminate and/or laminate/prepreg combination, the combination shall be assigned a maximumn electrical RTI that is based on the lesser of the individual electrical RTI's of NPRCC, NPRC180 and the laminate and/or laminate/prepreg combination. The combination shall also be assigned a mechanical RTI equal to the mechanical RTI of the laminate and/or laminate/prepreg combination.

($3) - NPRCC, NPRC180 may be used with a UL/ANSI Grade FR-4.0 single-layer laminates core FR-4.0 laminates at minimum thickness 0.10 mm, minimum copper weight 5 mic. and maximum copper weight 35 mic., or a UL/ANSI Grade FR-4.0 multilayer core FR-4.0 laminates at minimum thickness 0.20 mm, minimum external copper weight 5 mic., maximum external copper weight 35 mic. and maximum internal copper weight 35 mic. May apply 1 or 2 layers of epoxy resin coated copper foil to one or both sides of a UL/ANSI Grade FR-4.0 core.

($4) - NPRCCG, NPRC180G may be used with a UL/ANSI Grade FR-4.0 single-layer laminates core FR-4.0 laminates at minimum thickness 0.10 mm, or a UL/ANSI Grade FR-4.0 multilayer core FR-4.0 laminates at minimum thickness 0.20 mm.

(%1) - Maximum thickness is limited to 0.40 mm.

(1) - alternate grades:NPN-150R, NPN-150TL, NPN-170R, NPN-170TL, NPGN-150R, NPGN-150TL, NPGN-170R, NPGN-170TL,NPGN-150LKR,NPGN-150LKTL, NPGN-170MR, NPGN-170MTL, NPGN-150S

@ - The core material individual maximum thickness is limited by the unclad laminate material Recognition.

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ONLINE CERTIFICATIONS DIRECTORY

QMJU2.E69262
Coatings for Use on Recognized Printed Wiring Boards - Component

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Coatings for Use on Recognized Printed Wiring Boards - Component

See General Information for Coatings for Use on Recognized Printed Wiring Boards - Component

TAIYO INK MFG CO LTD E69262
900 Hirasawa
Ranzan-Machi
Hiki-Gun, Saitama-Ken 355-0215 JAPAN

Coating Material					Laminate		Sold Lts	
Mtl Dsg	Col	Min Thk (mic)	Max Thk (mic)	Flame Class	ANSI Type	Min Thk (mm)	Temp (°C)	Time (sec)
Resist coatings for use on Recognized printed wiring boards,furnished as: 30.								
PSR-2000CI/CA-25CL	WT	3	50	V-0	FR-4.0	0.20	180	10800
							200	3600
							230	120
							260	180
							23	300
							290	20
	WT	3	30	V-0	FR-4.1	0.20	180	10800
							200	3600
							230	120
							260	180
							23	300
							290	20
Resist coatings for use on Recognized printed wiring boards,furnished as: film.								
FLEXFINER-AA	AM	20	40	VTM-0	NON ANSI (#1)	0.025	290	20
	AM	15	50	V-0	FR-4.1	1.40	180	10800
							200	3600
							230	120
							260	180
							23	300
							290	20
FLEXFINER-AB	AM	15	50	VTM-0	NON ANSI (#1)	0.025	290	20
FLEXFINER-BA	BK	30	40	VTM-0	NON ANSI (#1)	0.025	290	20
PFR-800AA	GN	20	60	V-0	FR-4.0	0.20	180	10800
							200	3600
							230	120
							260	180
							23	300
							290	20
	GN	15	30	V-0	FR-4.1	0.20	180	10800
							200	3600
							230	120

PSR-2000BF/CA-25BF	GN	8	50	V-0	FR-4.0	0.20	180	10800
							200	3600
							230	120
							260	180
							23	300
							290	20
	GN	8	30	V-0	FR-4.1	0.20	180	10800
							200	3600
							230	120
							260	180
							23	300
							290	20
PSR-2000BG/CA-25AD	GN	8	50	V-0	FR-4.0	0.20	180	10800
							200	3600
							230	120
							260	180
							23	300
							290	20
	GN	8	30	V-0	FR-4.1	0.20	180	10800
							200	3600
							230	120
							260	180
							23	300
							290	20
PSR-2000BH/CA-25BH	GN	8	50	V-0	FR-4.0	0.20	180	10800
							200	3600
							230	120
							260	180
							23	300
							290	20
	GN	8	30	V-0	FR-4.1	0.20	180	10800
							200	3600
							230	120
							260	180
							23	300
							290	20
PSR-2000BJ/CA-25BJ	GN	8	50	V-0	FR-4.0	0.20	180	10800
							200	3600
							230	120
							260	180
							23	300
							290	20
	GN	8	30	V-0	FR-4.1	0.20	180	10800
							200	3600
							230	120
							260	180
							23	300
							290	20
PSR-2000BK/CA-25BK	GN	8	50	V-0	FR-4.0	0.20	180	10800

							230	120
							260	180
							23	300
							290	20
PSR-9000AB/CA-90AB	GN	8	50	V-0	FR-4.0	0.10	180	10800
							200	3600
							230	120
							260	180
							23	300
							290	20
PSR-9000AH/CA-90AH	BK	8	50	V-0	FR-4.0	0.20	180	10800
							200	3600
							230	120
							260	180
							23	300
							290	20
PSR-9000E3/CA-90E3	BK	3	30	V-0	FR-4.0	0.20	180	10800
							200	3600
							230	120
							260	180
							280	60
							23	300
							290	20

& - For use with UBE Industries, Ltd. Polyimide film Grade (l)S(i) at 0.035mm and 0.075 mm thicknesses only.

(#1) - For use with Du Pont - Toray material designation Kapton 100H in the 0.001 in (0.025 mm) thickness only.

(#2) - For use with Du Pont - Toray material designation Kapton 200H in the 0.002 in (0.051 mm) thickness only.

(#3) - For use with Dupont - Toray material designation Kapton 50H and 100H in the 0.5 mil (0.0125 mm) to 1.0 mil (0.025 mm)

@ - Applies only when used on an uncoated printed wiring board which is classed V-0.

NOTE - Those resists Recognized for use with FR-4.0 ANSI materials are considered suitable for use with CEM-1 and CEM-3 materials with the same restrictions.

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ONLINE CERTIFICATIONS DIRECTORY

QMJU2.E112960
Coatings for Use on Recognized Printed Wiring Boards - Component

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Coatings for Use on Recognized Printed Wiring Boards - Component

See General Information for Coatings for Use on Recognized Printed Wiring Boards - Component

CHUNG-YU INDUSTRY CORP E112960
620 YEN-PING RD, SEC 3
PING-JENG, TAOYUAN 324 TAIWAN

Coating Material					Laminate		Sold Lts	
Mtl Dsg	Col	Min Thk (mic)	Max Thk (mic)	Flame Class	ANSI Type	Min Thk (mm)	Temp (°C)	Time (sec)
Resist coatings for use on Recognized printed wiring boards,furnished as: one component liquid.								
UVR-886	GN	8	30	V-0	FR-4.0	0.63	280	15
	GN	8	30	V-0	FR-1	0.71	280	15
UVR-886 UVM-5	WT	8	30	V-0	FR-1	0.71	280	15
	WT	8	30	V-1	FR-4.0	0.63	280	15
Resist coatings for use on Recognized printed wiring boards,furnished as: two component liquid.								
LSM-3000N#/ LSM-3000N (B)	GN	8	30	V-0	FR-4.0	0.63	290	15
LSM-3000N/ LSM-3000N (H)	ALL	8	50	V-0	FR-4.0	0.38	300	30
ZSR-150/ ZSH-3	ALL	8	30	V-0	FR-4.0	0.63	270	10

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