
Since 1979...
YOUR BEST EUROPEAN PCB PARTNER
"Talent wins games, but teamwork and intelligence wins championships."
Cit.Michael Jordan
esseti
PRINTED CIRCUIT BOARD
IPC
Member
TÜV SÜD ISO 14001
TÜV SÜD ISO 9001 EN 9100

HISTORY:

- 1979_FOUNDED IN BOLOGNA
- 1982_BILAYERS PRODUCTION
- 1993_MULTILAYERS PRODUCTION
- 1998_UL/UR CERTIFICATION
- 2000_ISO9001 CERTIFICATION
- 2002_FAR EAST GUARANTEED IMPORT SERVICE
- 2008_PRODUCTION CAPABILITY IMPROVED
- 2020_ISO14000 CERTIFICATION
- 2022_AS9100 FOR AVIONICS APPLICATION
- 2022_AUTOMATIC VERTICAL LIFT MODULE
- 2023_NEW COPPER ETCHING AND TIN STRIPPER LINES
- 2024_NEW LDI MACHINE

AND NOW.. LET'S WRITE THE FUTURE TOGETHER!

MARKET SECTORS:

10%
CONSUMER

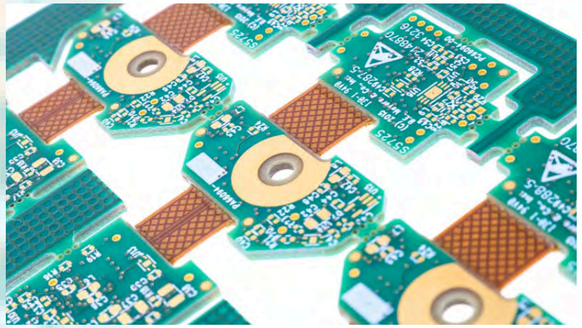
30%
POWER
INDUSTRIAL
LED LIGHTING

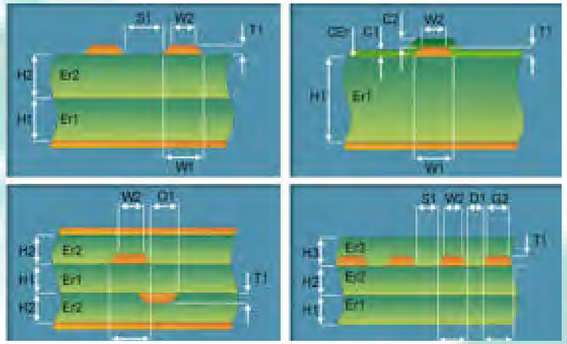
60%
RAILWAY
DEFENCE
BROADCAST
MEDICAL

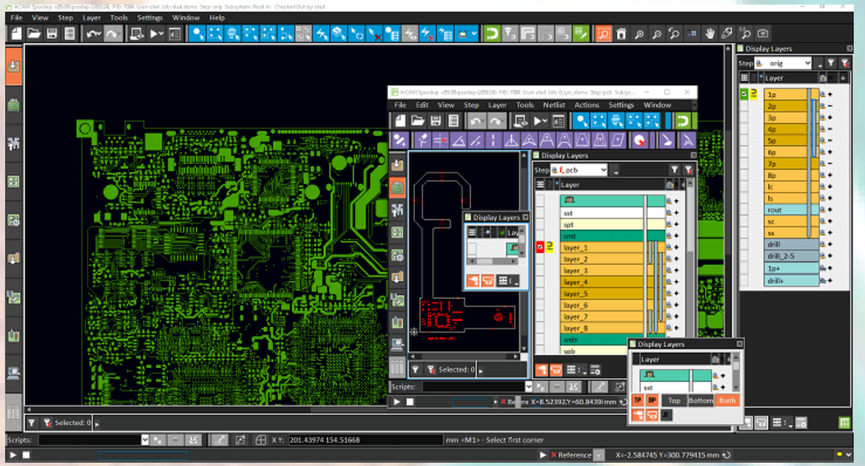
ESSETI HQ:

ITALIAN PRODUCTION PLANT

Services







- FAST PROTOTYPE PRODUCTION SERVICE-24H/72H
- FAST MASS PRODUCTION SERVICE - 3/8 W-DAYS
- TEFLON PCB PRODUCTION 12/14 W-DAYS
- EXTENSIVE STOCK_ISOLA/NELCO/ARLON/ROGERS
- CUSTOMIZED STOCK FOR OUR BEST CUSTOMERS
- SUPPORTING CUSTOMERS FROM DESIGN TO SHIPPING
- IPC-A-600 CLASS 2 & CLASS 3

ESSETI HQ:

AUTOMATIC VERTICAL LIFT MODULE

ADVANTAGES:

- SAVE TIME DURING RAW MATERIAL HANDLING
- HELP THE OPERATOR TO EXTRACT THE CORRECT RAW MATERIALS
- HELP THE SALES DEPARTMENT TO KNOW IF THERE IS ENOUGH RAW MATERIAL IN STOCK FOR THE NEW PO
- ENSURE THE CUSTOMER THE PERFECT TRACEABILITY OF THE RAW MATERIALS

ESSETI HQ:

Italian HQ:

ESSETI HQ:

Insight Software for Technical and Sales Dep:

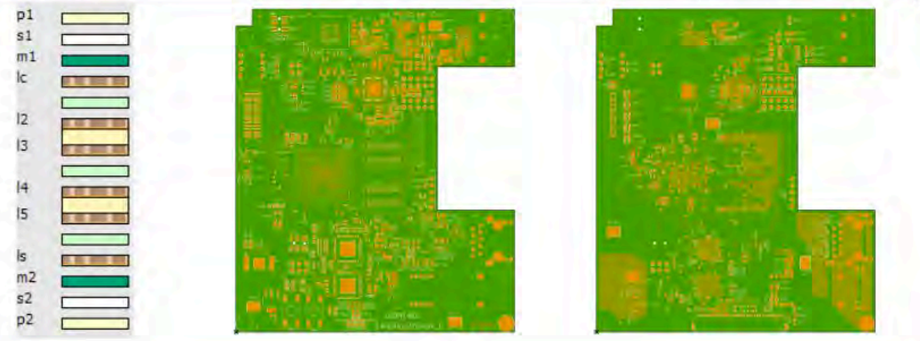
esseti PRINTED CIRCUIT BOARD

Job (16021_ASSEL)

Frontline InSight PCB®

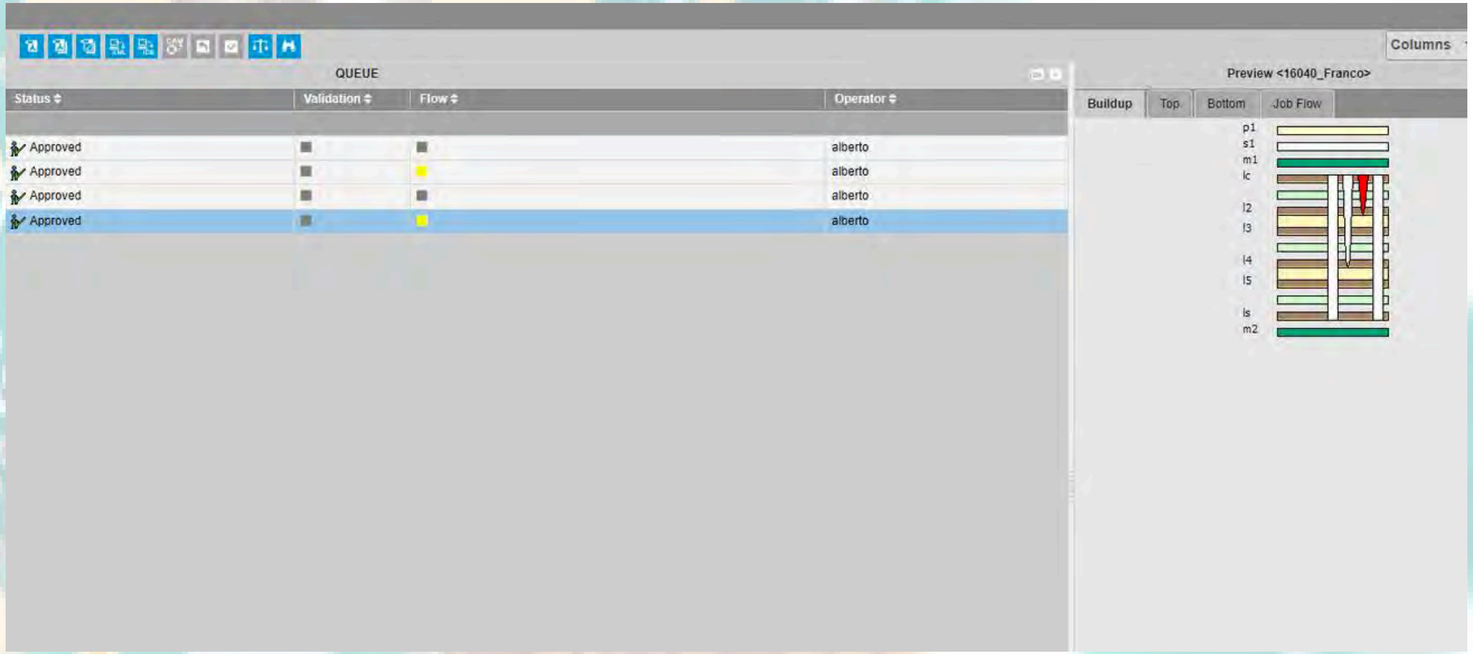
Job Name	16021_ASSEL	**Job Type**	New Job
Operator	Alberto Zanella	**Creation Time**	2023-08-28 16:20:42
Part Number		**Revision**	
Customer Name		**Job Class**	IPC6012-Class2
Contact Name		**Contact Email**	

Buildup | Top View | Bottom View



Job Info

Copper Layers	6	**Drill Layer**	0
Part Size (X,Y)	101 x 117 mm	**Array Size (X,Y)**	0 x 0 mm
PCB Area	10325 mm²	**Array Area**	0 mm²
Thickness	1.6 mm	**Rout Length**	492 mm
Top SM Area	9006.48 mm²	**Bottom SM Area**	9501.28 mm²
I/L Thickness	35 µm	**O/L thickness**	18 µm
Soldermask Side		**Soldermask Color**	Green
Silkscreen Side		**Silkscreen Color**	White
Soldermask Type	Undefined	**Finish Type**	Other
Impedance	No	**Aspect Ratio (max)**	N/A
Gold Thickness	0 µm	**Gold Plating Type**	Undefined
Stacked Holes Count	0	**Material**	FR4



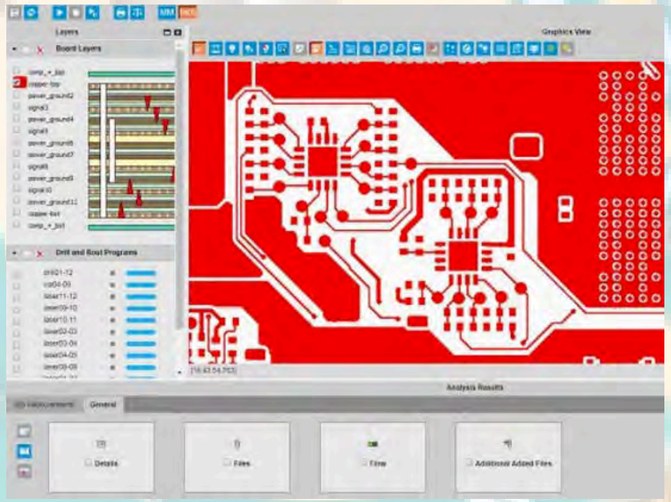
FAST-ACCURATE-COMPETITIVE QUOTATION:

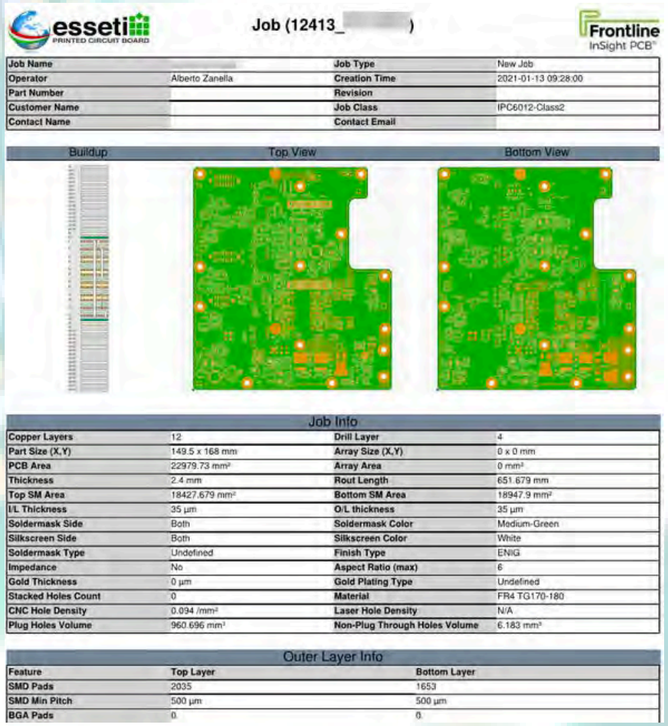
...WITH INSIGHTS PCB SOFTWARE

Frontline InSight PCB®

INSIGHT DFM REPORTS SHOWS:

- PCB SIZE
- MINIMUM HOLE SIZE
- NUMBER OF HOLES
- MINIMUM TRACK AND GAP
- ANNULAR RING CLEARANCES
- MINIMUM CLEARANCES TO COPPER
- HIGHTLIGHTS ANY DFM VIOLATIONS





esseti PRINTED CIRCUIT BOARD — Job (12413_[redacted]) — Frontline InSight PCB®

Job Name		Job Type	New Job
Operator	Alberto Zanella	Creation Time	2021-01-13 09:28:00
Part Number		Revision	
Customer Name		Job Class	IPC6012-Class2
Contact Name		Contact Email	

Buildup | Top View | Bottom View

Job Info

Copper Layers	12	Drill Layer	4
Part Size (X,Y)	149.5 x 168 mm	Array Size (X,Y)	0 x 0 mm
PCB Area	22979.73 mm²	Array Area	0 mm²
Thickness	2.4 mm	Rout Length	651.679 mm
Top SM Area	18427.679 mm²	Bottom SM Area	18947.9 mm²
I/L Thickness	35 µm	O/L thickness	35 µm
Soldermask Side	Both	Soldermask Color	Medium-Green
Silkscreen Side	Both	Silkscreen Color	White
Soldermask Type	Undefined	Finish Type	ENIG
Impedance	No	Aspect Ratio (max)	6
Gold Thickness	0 µm	Gold Plating Type	Undefined
Stacked Holes Count	0	Material	FR4 TG170-180
CNC Hole Density	0.094 /mm²	Laser Hole Density	N/A
Plug Holes Volume	960.696 mm³	Non-Plug Through Holes Volume	6.183 mm²

Outer Layer Info

Feature	Top Layer	Bottom Layer
SMD Pads	2035	1653
SMD Min Pitch	500 µm	500 µm
BGA Pads	0	0

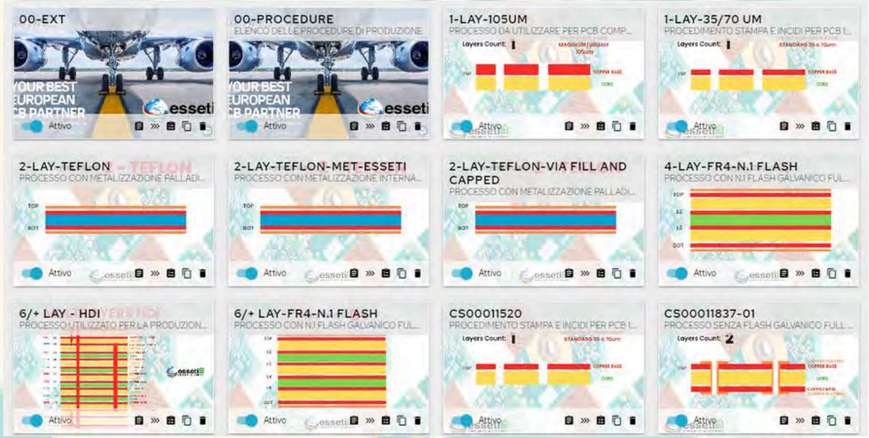
With the help of InSight software, we automatically process customers data at the quotation stage and run Design Rule checks. We can then produce detailed DFM reports highlighting the critical areas of the PCB, thus enabling us to provide customers with accurate quotations.

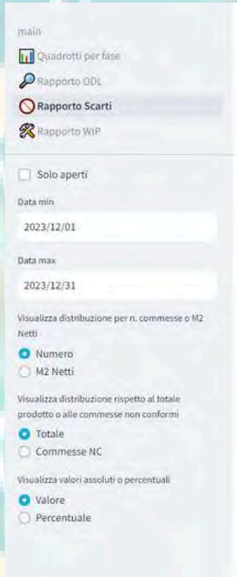
ESSETI HQ:

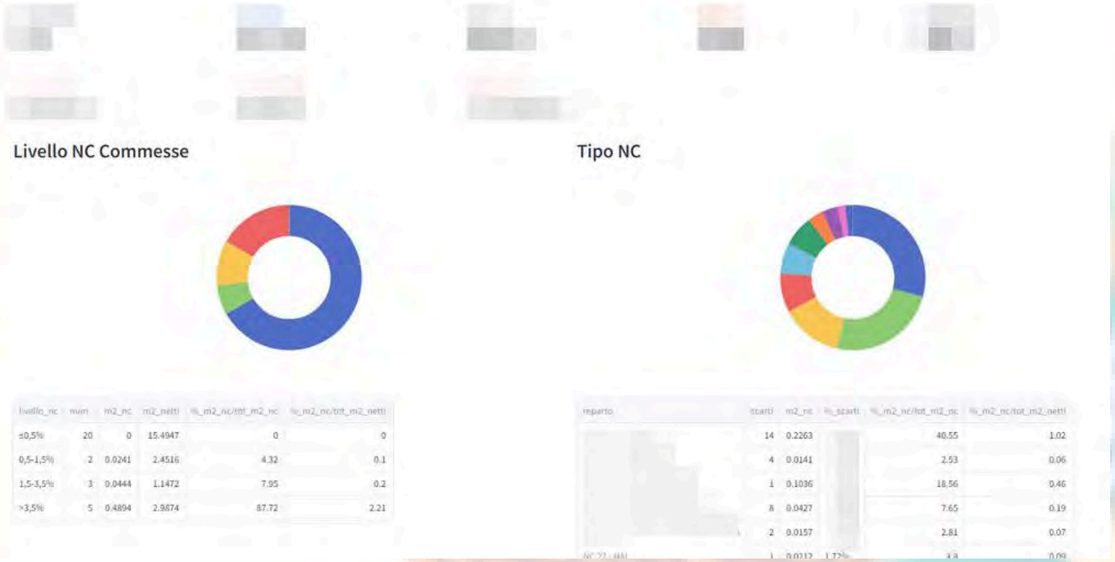
PROGRESS SOFTWARE

WIP MANAGEMENT

PRODOTTO	AVANZAMENTO
CS00027450	92 %
CS00027451	92 %
CS00020952-01	92 %
CS00027381	91 %
CS00027381	91 %
CS00023384-01	89 %
CS00023584	89 %
CS00027158	89 %
CS00023383-01	88 %
CS00024189-01	88 %
CS00026411	88 %
CS00026202	86 %
CS00025568	85 %
CS00027464	84 %
CS00027471	83 %
CS00027473	83 %
CS00027507	72 %
CS00026469	67 %
CS00026470	67 %
CS00027503	67 %
CS00027504	67 %
CS00027517	66 %
CS00025703	63 %
CS00027452	59 %



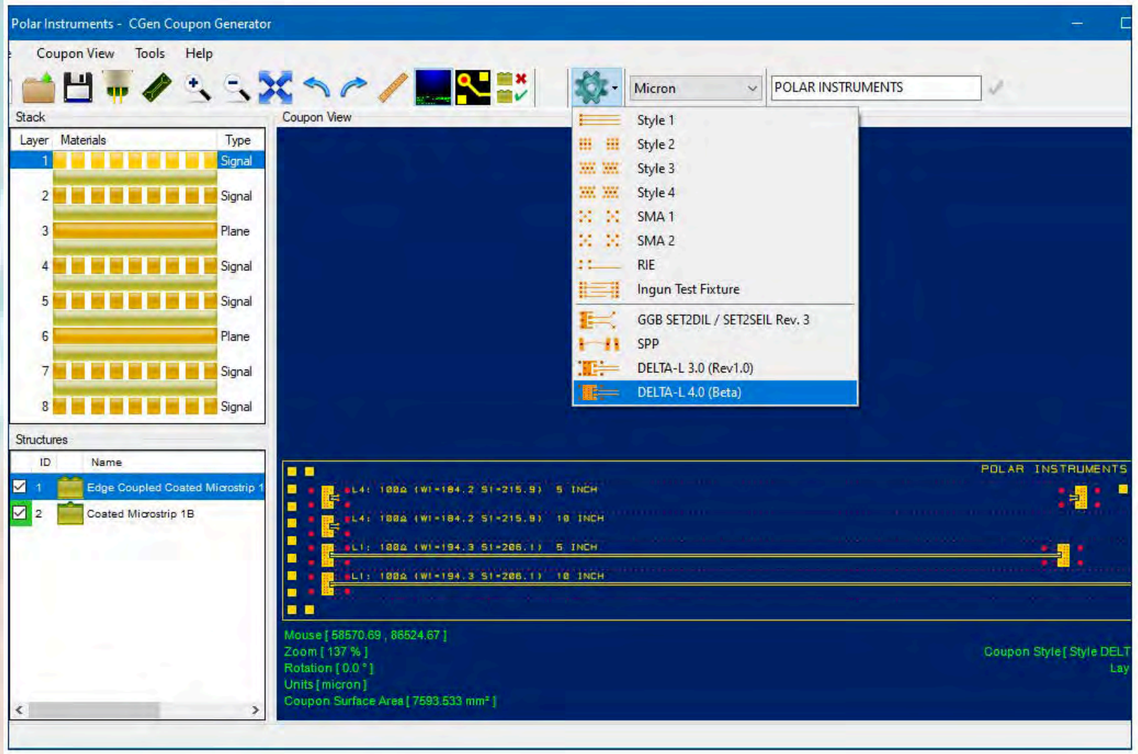


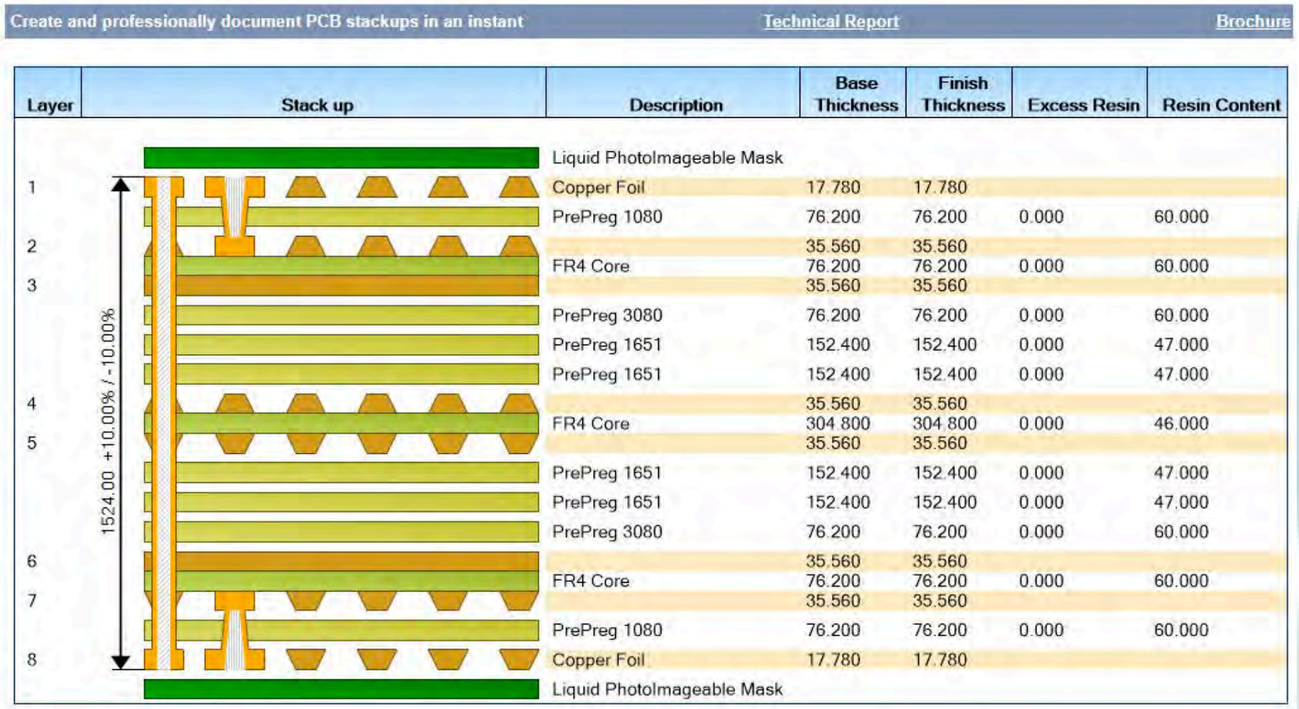


ESSETI HQ:

POLAR SOFTWARE

Stack-up and Impedance Analysis



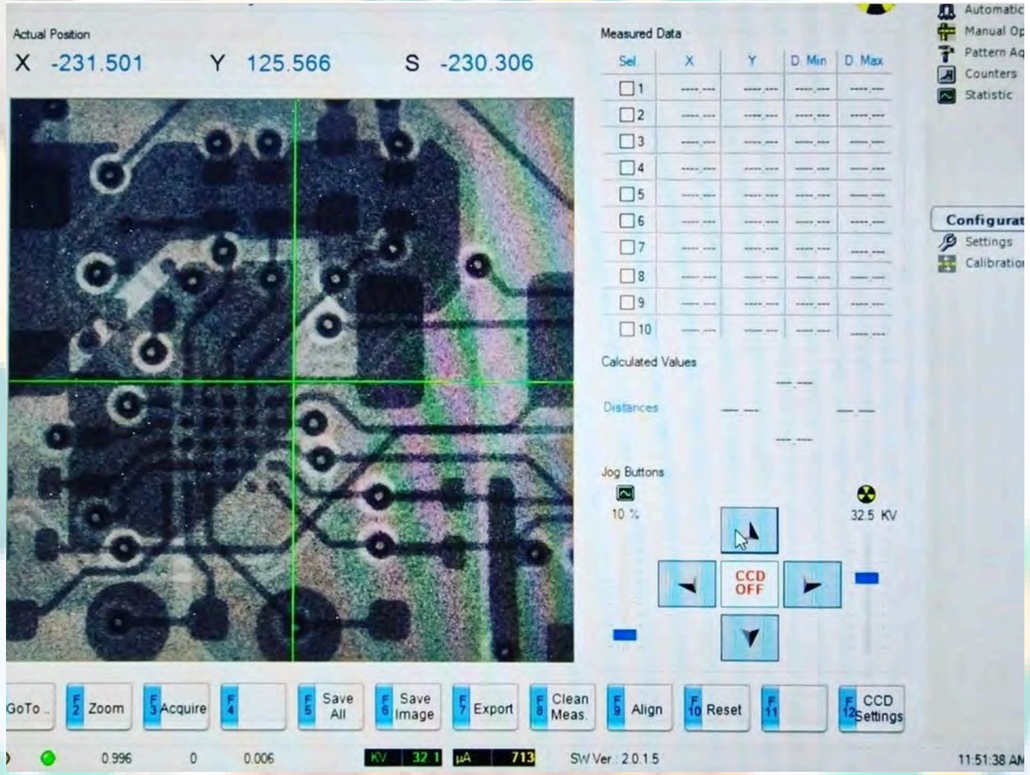


ESSETI HQ:

PLURITEC EVO - Drilling and Routing

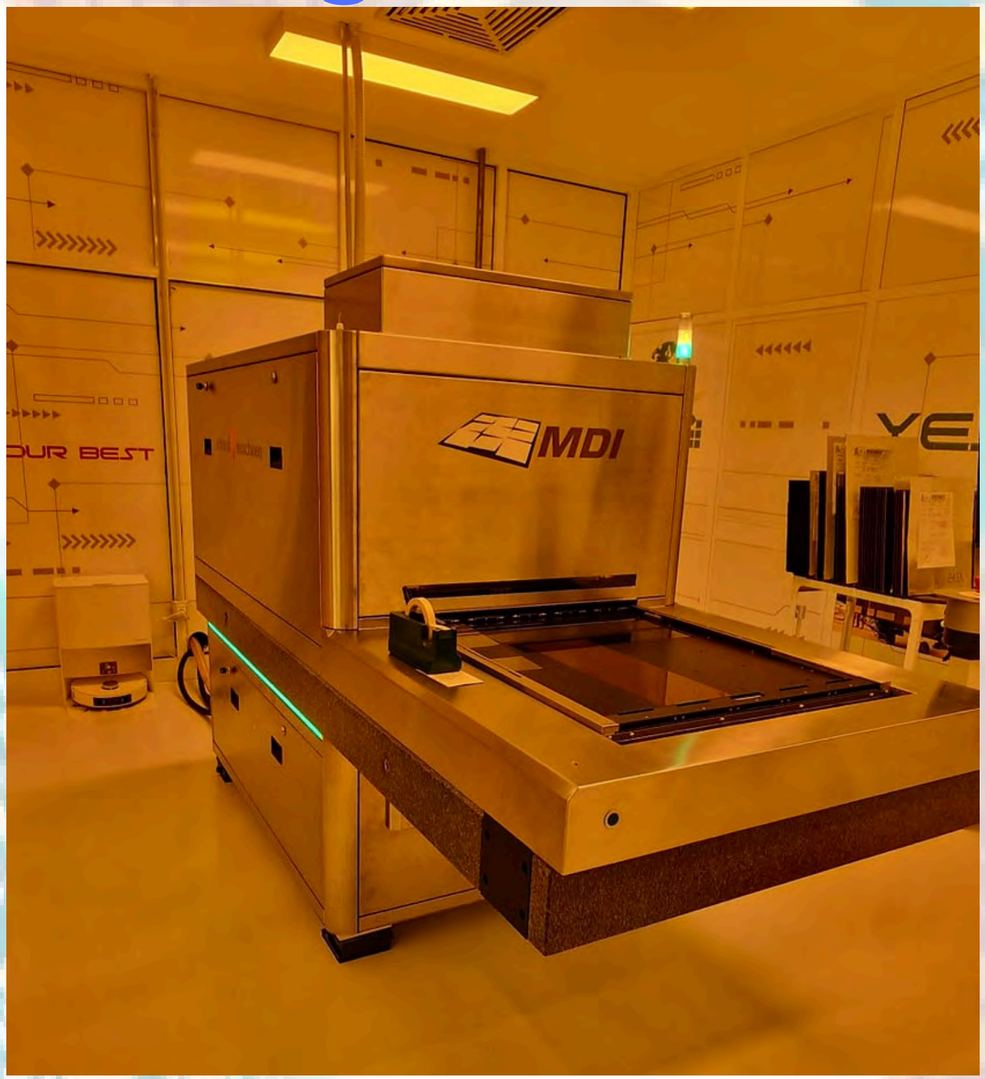
ESSETI HQ:

MAC 3 LAB - XRAY Machine



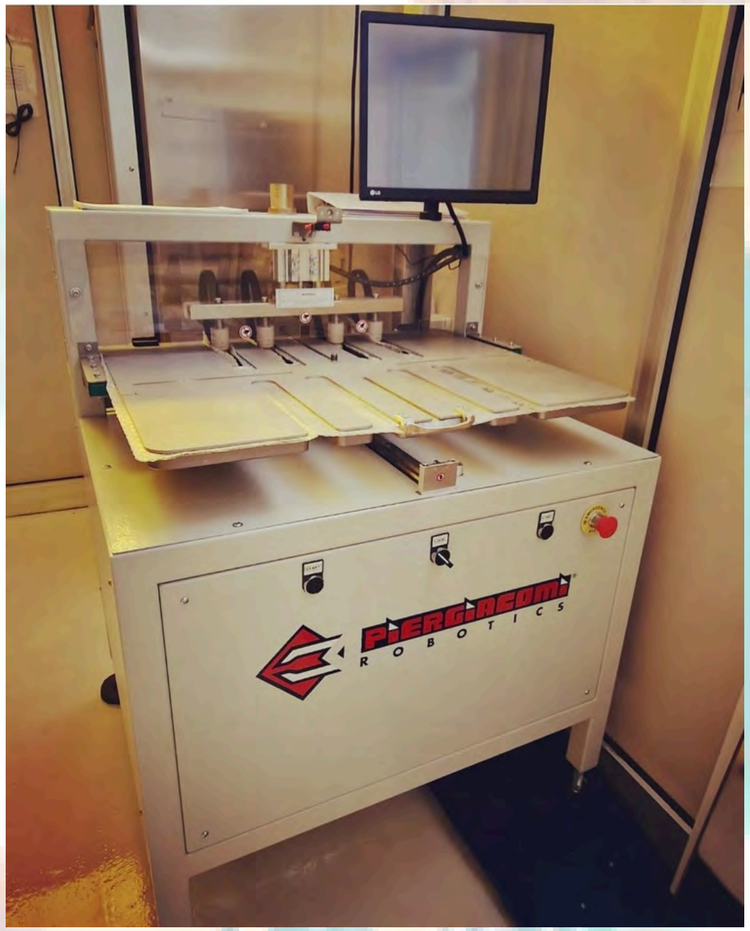
ESSETI HQ:

MDI - Direct Image - Schmoll Maschinen GmbH



ESSETI HQ:

Press and Bonding Machine:



ESSETI HQ:

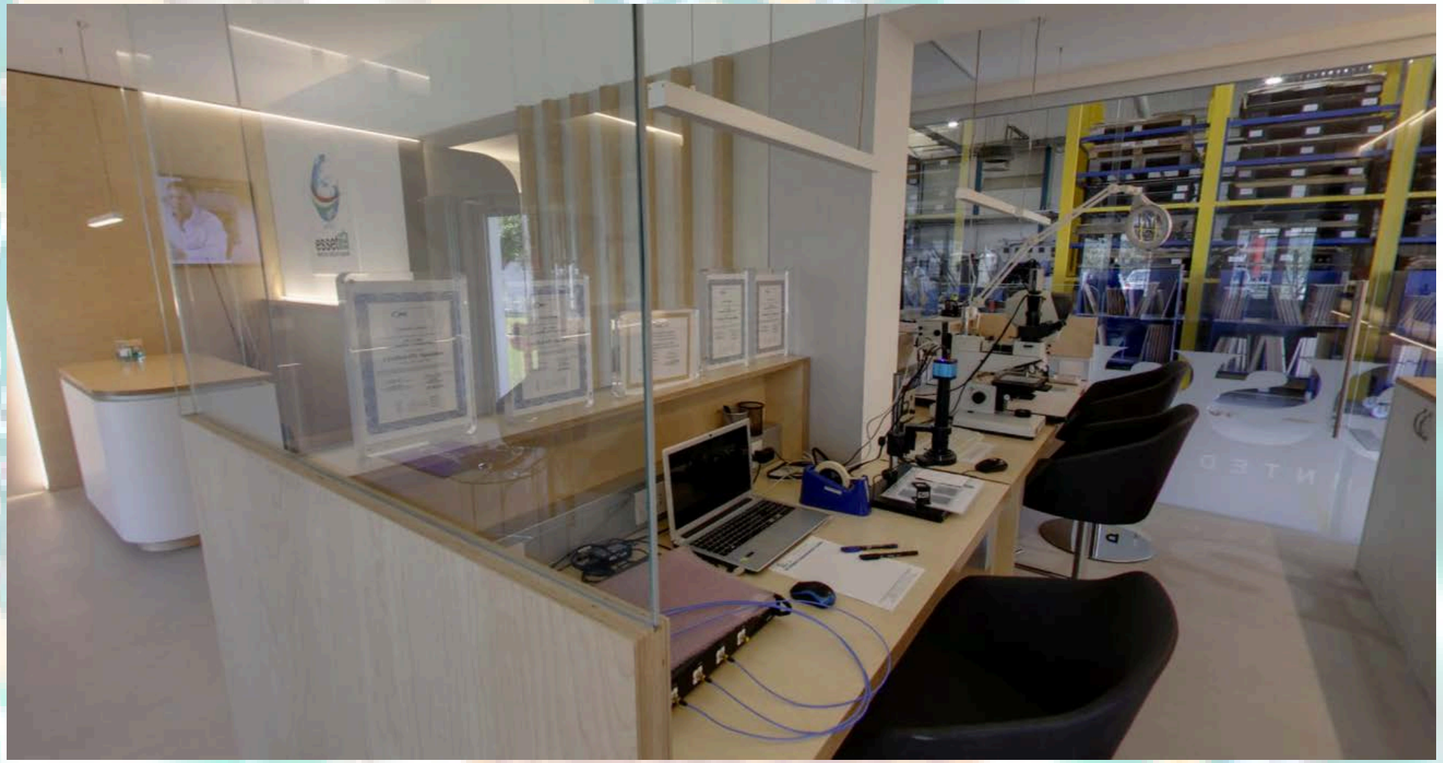
COPPER ETCHING & TIN STRIPPER LINES

ESSETI HQ:

IONIC CONTAMINATION MACHINE

ESSETI HQ:

Final Quality Inspection:




esseti
PRINTED CIRCUIT BOARD
USA
PARTNER
Checking Quality
ESSETI
ITA HQ
Checking Quality
FAR EAST
PARTNER
THINK GLOBAL SUPPORT LOCAL

ESSETI HQ:

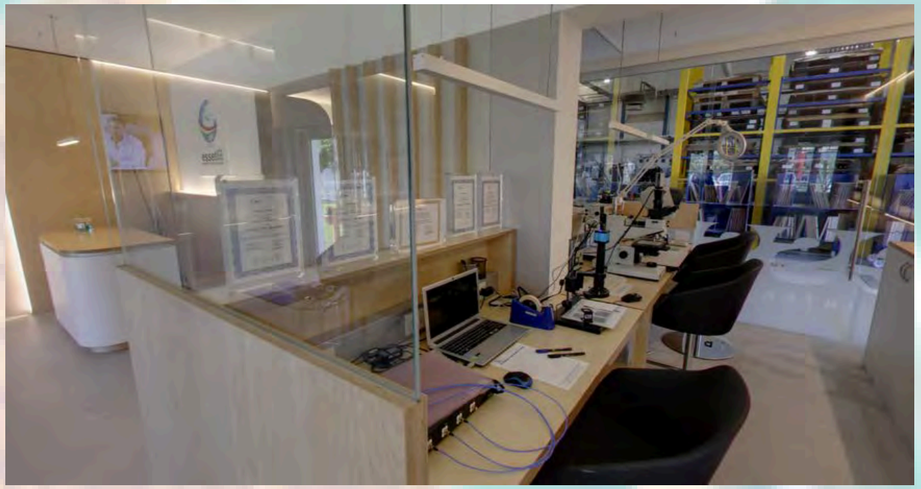
GUARANTEED IMPORT SERVICE

ENGINEERING WORKING GERBER PROCESS IN ITALY

LOGISTIC PLANNING (AIR/TRAIN/SHIP)

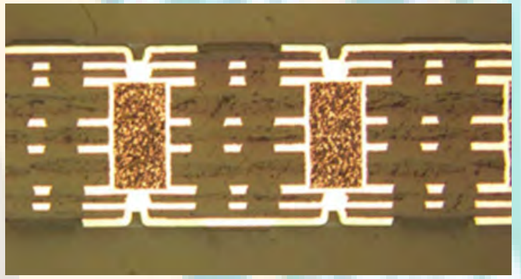
QUALITY CHECK:
CROSS-SECTION/THERMAL STRESS
X-RAY/VISUAL INSPECTION/MECHANICAL CHECK
E-TEST/IPC STANDARD VERIFICATION WITH OUR HIGHLY QUALIFIED IPC INSPECTORS

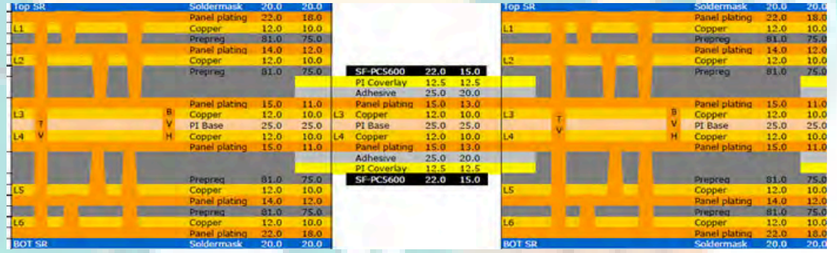
QUALITY REPORT CREATION:
QA REPORT-COC-FAI CERTIFICATION-

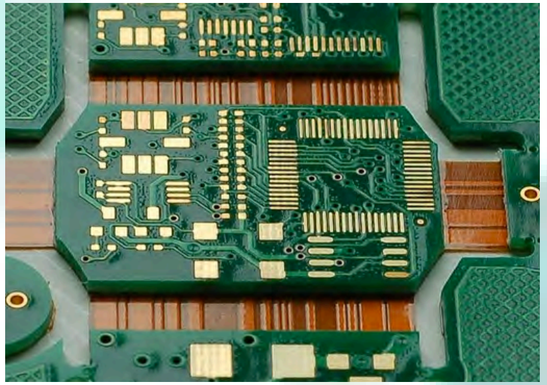


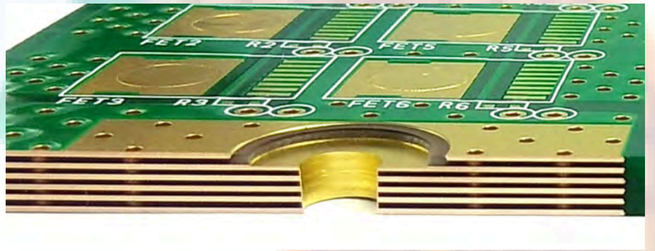
TECHNOLOGIES:

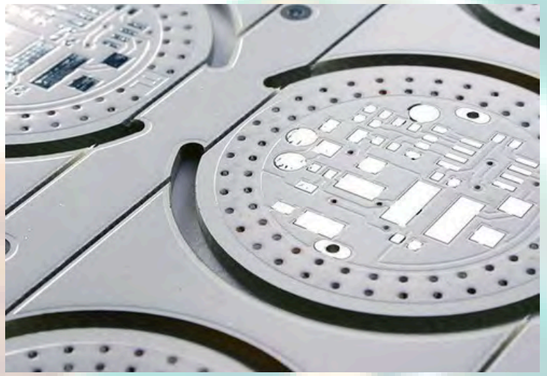
- RIGID PCB(SINGLE TO MULTILAYERS)
- HDI/MICROVIAS, BLIND/BURIED VIAS TECHNOLOGY
- HIGH SPEED DESIGN PCBS
- FLEX, RIGID-FLEX, SEMI-FLEX
- BACKPLANES
- HEAVY COPPER PCB
- ALUMINIUM (IMS) PCB
- COPPER BASE PCB
- IMPEDANCE CONTROL
- MULTIPLES SURFACE & SELECTIVE FINISHES
- MICROSECTION (ON REQUEST)











GENERAL ITALIAN TECHNICAL CAPABILITIES:

	Standard:
Max Layers Count:	30
Max Board Size:	540x650
Trace & Space (Outlayers, mm)	0.08/0.080
Trace & Space (Innerayers, mm)	0.08/0.08
Back-drill	Min drill size for backdrill 0.4mm, backdrill equals through hole+0.15mm
Min Drilled Via Size	0.10
Max Aspect Ratio	14:1
Max Board Thickness (mm)	5.6

GENERAL OFF-SHORE TECHNICAL CAPABILITIES:

	Standard:	Advance:	Engineering:
Max Layers Count:	60	70	>70
Max Board Size:	590x420	580x770	610x780
Trace & Space (Outlayers, mm)	0.10/0.10	0.075/0.075	0.060/0.060
Trace & Space (Innerayers, mm)	0.090/0.090	0.075/0.075	0.065/0.065
Back-drill	Min drill size for backdrill 0.4mm, backdrill equals through hole+0.15mm		
Min Drilled Via Size	0.10	0.10	0.90
Max Aspect Ratio	20:1	30:1	40:1
Max Board Thickness (mm)	6.35	7.40	8.80

GENERAL TECHNICAL CAPABILITIES:

	Standard:	Advance:	Engineering:
Impedance Control (Outer)	+/-10%	+/-8%	+/-7%
Impedance Control (Inner)	+/-10%	+/-5%	+/-4%
Tolerance - Plated Hole Size	+/-0.05	+/- 0.04	+/- 0.04
Base Material	ISOLA - ARLON/ROGERS - NELCO - SHENGYI - ITEQ - TACONIC-AISMALIBAR-DENKA-BERGQUIST-VENTEC		

Esseti #Project :
Customer :
Customer PN :

Layers Count: 6
RIGID-FLEX

COVERLAY PI - 0.025MM
COVERLAY ADHESIVE - 0.025MM
Tot Thickness: 0.050mm

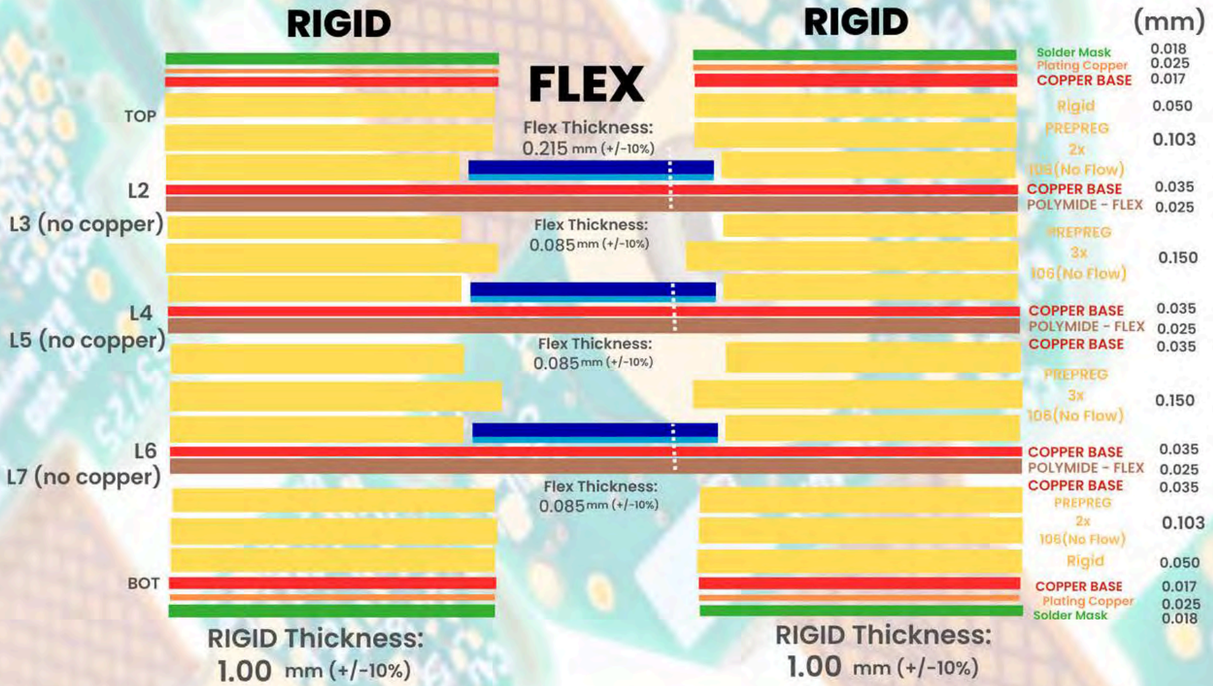
FLEX MATERIAL: DUPONT AP9111R
RIGID MATERIAL: ARLON85N / VENTEC VT901

Date:

esseti CIRCUITI STAMPATI

Esseti #Project :
Customer :
Customer PN :

Layers Count: 8
RIGID-FLEX



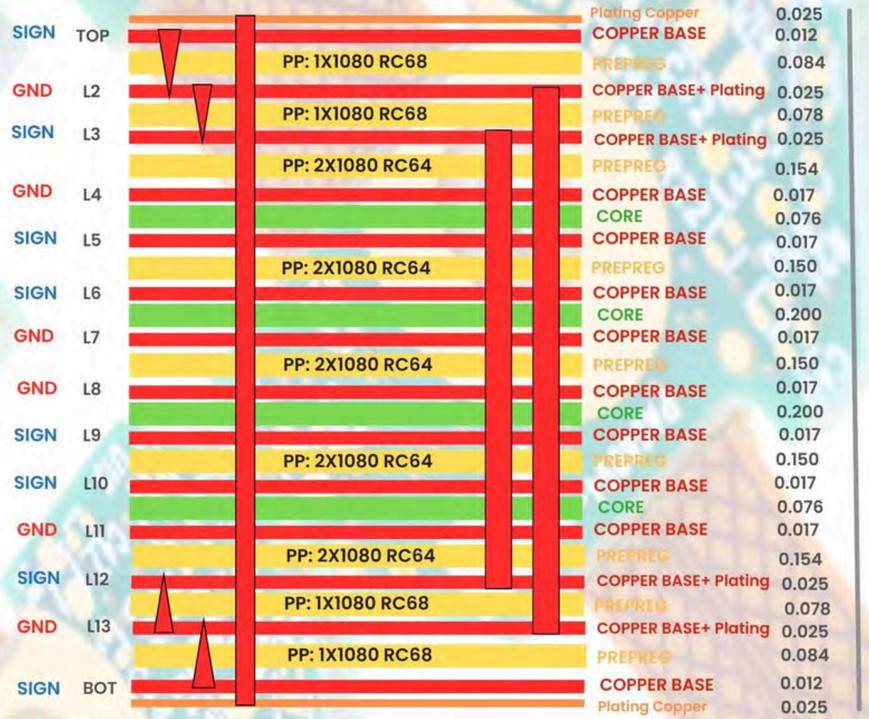
COVERLAY PI - 0.025MM
COVERLAY ADHESIVE - 0.035MM
Tot Thickness: 0.060mm

Date:

esseti CIRCUITI STAMPATI

Esseti #Project :
Customer :
Customer PN :

Layers Count: 14



Material Description:

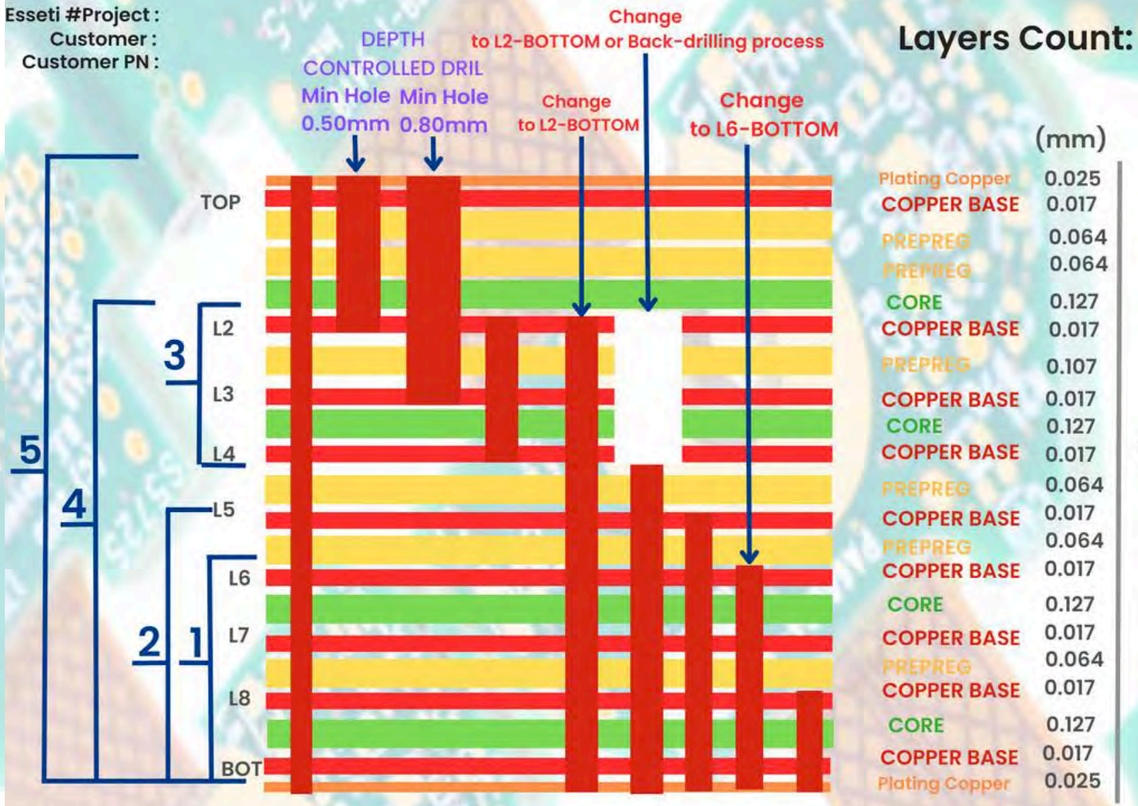
PANASONIC
R5670G - R5775G

Total Thickness: 2.00 mm (+/-10%)

Date:

Esseti #Project :
Customer :
Customer PN :

Layers Count: 9 HDI

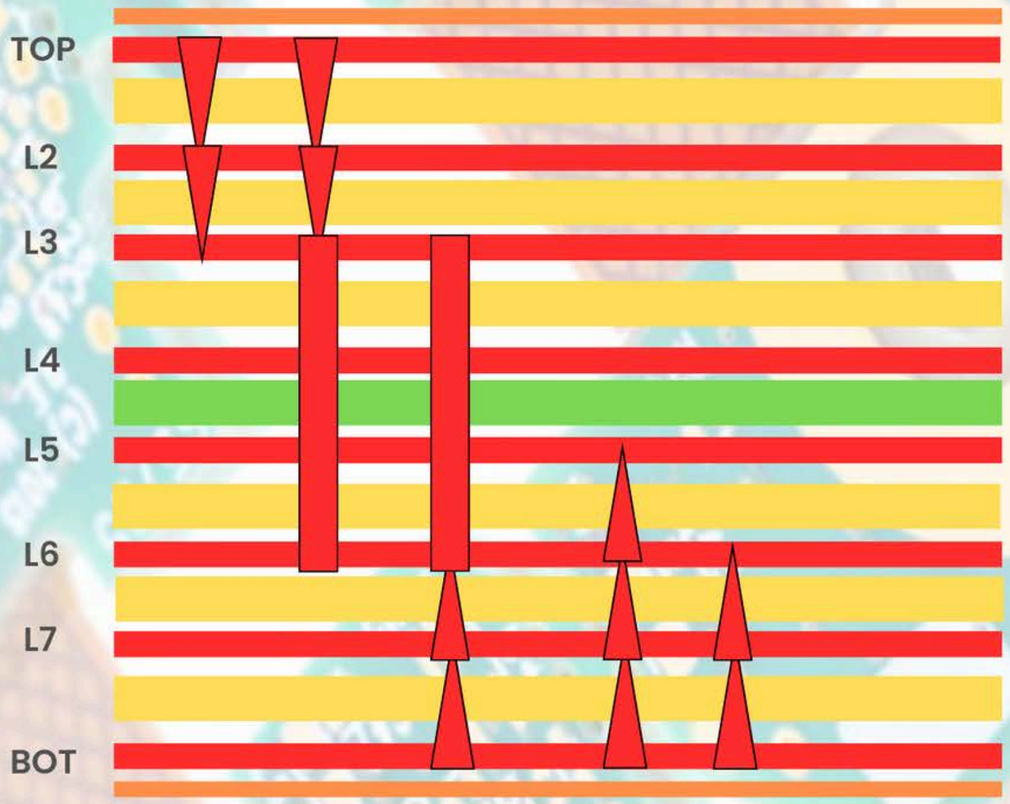


Material Description :
ISOLA - ASTRA MT77

Total Thickness: 1.09 mm (+/-10%)

Esseti #Project :
Customer :
Customer PN :

Layers Count: 8 HDI



Material Description		(mm)
	Plating Copper	0.025
	COPPER BASE	0.017
	PREPREG	0.090
	COPPER BASE	0.017
	PREPREG	0.090
	COPPER BASE	0.017
	PREPREG	0.090
FR4 HTG 170/180	COPPER BASE	0.017
	CORE	0.700
	COPPER BASE	0.017
	PREPREG	0.090
	COPPER BASE	0.017
	PREPREG	0.090
	COPPER BASE	0.017
	PREPREG	0.090
	COPPER BASE	0.017
	Plating Copper	0.025

Total Thickness: 1.35 mm (+/-10%)

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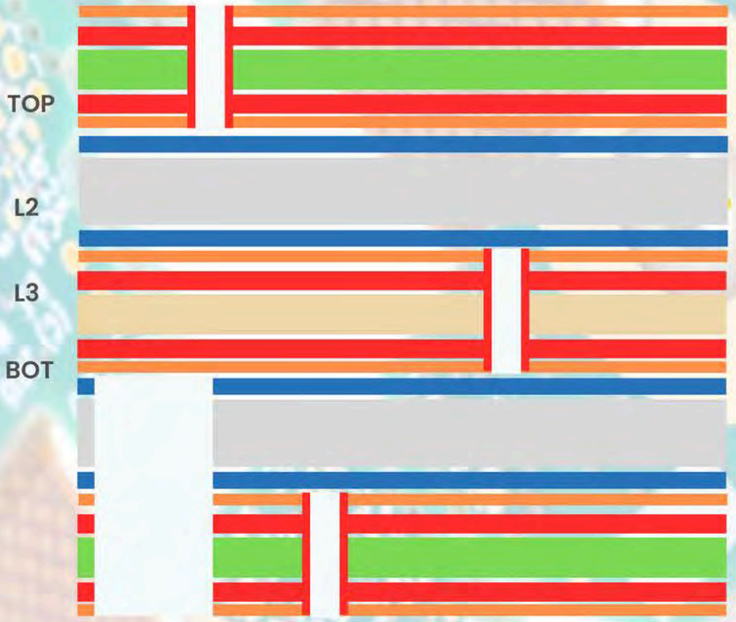
CIRCUITI STAMPATI

Esseti #Project :
Customer :
Customer PN :

Layers Count: 6

ROGERS+ FOAM



	(mm)
Plating Copper	0.025
COPPER BASE	0.035
RO4350B	0.100
COPPER BASE	0.035
Plating Copper	0.025
CUCLAD 6250	0.040
ROHACELL FOAM 71XT	2.00
CUCLAD 6250	0.040
Plating Copper	0.025
COPPER BASE	0.035
RO4003C	0.508
COPPER BASE	0.035
Plating Copper	0.025
CUCLAD 6250	0.040
ROHACELL FOAM 71XT	2.00
CUCLAD 6250	0.040
Plating Copper	0.025
COPPER BASE	0.035
RO4350B	0.100
COPPER BASE	0.035
Plating Copper	0.025

Z-CONTROLLED MILLING

Total Thickness: 4.92mm (+/-10%)

esseti
CIRCUITI STAMPATI

Date:

ISO9001

ISO14000

AS9100

UL EUROPE + UL CANADA

IPC MEMBER + IPC SPECIALIST

FULL LABORATORY FACILITIES
AND REPORTING IN ITALY

CERTIFICATO

Nr. 50 100 14426 - Rev.001

Si attesta che / This is to certify that

IL SISTEMA QUALITÀ DI
THE QUALITY SYSTEM OF

esseti

ESSETI S.r.l.

SEDE LEGALE E OPERATIVA:
REGISTERED OFFICE AND OPERATIONAL SITE:

IT - 40050 ARGELATO (BO)

È CONFORME AI REQUISITI DELLA NORMA
HAS BEEN FOUND TO COMPLY WITH THE REQUIREMENTS OF

UNI EN ISO 9001:2015

QUESTO CERTIFICATO È VALIDO PER IL SEGUENTE CAMPO DI APPLICAZIONE
THIS CERTIFICATE IS VALID FOR THE FOLLOWING SCOPE

Progettazione e fabbricazione di circuiti stampati (IAF 19)

Design and manifacture of printed circuit board (IAF 19)

ACCREDIA — SQG N° 049A

Per l'Organismo di Certificazione
For the Certification Body
TÜV Italia S.r.l.

Validità / Validity
Dal / From: 2018-09-13
Al / To: 2021-09-13

Andrea Coscia

Data emissione / Printing Date
2018-09-13

PRIMA CERTIFICAZIONE / FIRST CERTIFICATION: 2018-09-19

TÜV Italia S.r.l. • Gruppo TÜV SÜD • Via Carducci 125, Pal. 23 • 20099 Sesto San Giovanni (MI) • Italia • www.tuv.it

CERTIFICATO

Nr. 50 100 15768

Si attesta che / This is to certify that

IL SISTEMA DI GESTIONE AMBIENTALE DI
THE ENVIRONMENTAL MANAGEMENT SYSTEM OF

esseti

ESSETI S.r.l.

SEDE LEGALE E OPERATIVA:
REGISTERED OFFICE AND OPERATIONAL SITE:

VIA DEL LAVORO 90
I-40050 ARGELATO (BO)

È CONFORME AI REQUISITI DELLA NORMA
HAS BEEN FOUND TO COMPLY WITH THE REQUIREMENTS OF

UNI EN ISO 14001:2015

QUESTO CERTIFICATO È VALIDO PER IL SEGUENTE CAMPO DI APPLICAZIONE
THIS CERTIFICATE IS VALID FOR THE FOLLOWING SCOPE

Progettazione e fabbricazione di circuiti stampati mediante processi fotografici, meccanici, chimici, galvanici e serigrafici (IAF 19)

Design and manufacture of printed circuit boards by photographic, mechanical, chemical, galvanic and screen printing processes (IAF 19)

CERTIFICAZIONE RILASCIATA IN CONFORMITÀ AL REGOLAMENTO TECNICO ACCREDIA RT-09
CERTIFICATION ISSUED IN ACCORDANCE TO ACCREDIA TECHNICAL REGULATION RT-09

ACCREDIA — SGA N° 016D

Per l'Organismo di Certificazione
For the Certification Body
TÜV Italia S.r.l.

Validità / Validity
Dal / From: 2020-07-15
Al / To: 2023-07-14

Andrea Coscia

Data emissione / Issuing Date:
2020-07-15

PRIMA CERTIFICAZIONE / FIRST CERTIFICATION: 2020-07-15

TÜV Italia S.r.l. • Gruppo TÜV SÜD • Via Carducci 125, Pal. 23 • 20099 Sesto San Giovanni (MI) • Italia • www.tuv.it

CERTIFICATO

Nr. 50 100 15768

Si attesta che / This is to certify that

IL SISTEMA DI GESTIONE AMBIENTALE DI
THE ENVIRONMENTAL MANAGEMENT SYSTEM OF

esseti

ESSETI S.r.l.

SEDE LEGALE E OPERATIVA:
REGISTERED OFFICE AND OPERATIONAL SITE:

VIA DEL LAVORO 90
I-40050 ARGELATO (BO)

È CONFORME AI REQUISITI DELLA NORMA
HAS BEEN FOUND TO COMPLY WITH THE REQUIREMENTS OF

UNI EN ISO 14001:2015

QUESTO CERTIFICATO È VALIDO PER IL SEGUENTE CAMPO DI APPLICAZIONE
THIS CERTIFICATE IS VALID FOR THE FOLLOWING SCOPE

Progettazione e fabbricazione di circuiti stampati mediante processi fotografici, meccanici, chimici, galvanici e serigrafici (IAF 19)

Design and manufacture of printed circuit boards by photographic, mechanical, chemical, galvanic and screen printing processes (IAF 19)

CERTIFICAZIONE RILASCIATA IN CONFORMITÀ AL REGOLAMENTO TECNICO ACCREDIA RT-09
CERTIFICATION ISSUED IN ACCORDANCE TO ACCREDIA TECHNICAL REGULATION RT-09

ACCREDIA — SGA N° 016D

Per l'Organismo di Certificazione
For the Certification Body
TÜV Italia S.r.l.

Validità / Validity
Dal / From: 2020-07-15
Al / To: 2023-07-14

Andrea Coscia

Data emissione / Issuing Date:
2020-07-15

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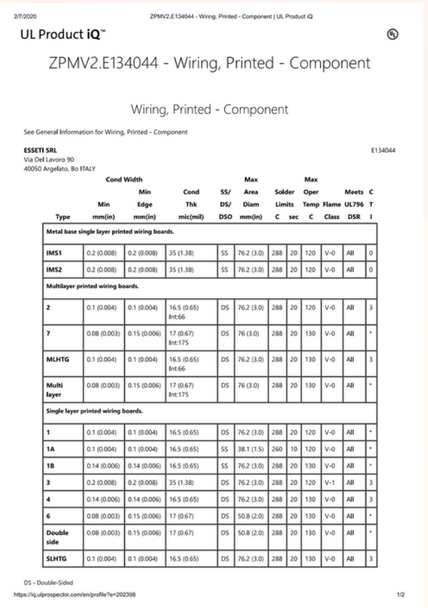


2/7/2020 ZPMV2.E134044 - Wiring, Printed - Component | UL Product iQ

UL Product iQ™

ZPMV2.E134044 - Wiring, Printed - Component

Wiring, Printed - Component

See General Information for Wiring, Printed - Component

ESSETI SRL
Via Del Lavoro 90
40050 Argelato, Bo ITALY

E134044

Type	Cond Width Min mm(in)	Min Edge mm(in)	Cond Thk mic(mil)	SS/ DS/ DSO	Max Area Diam mm(in)	Solder Limits C	Max Oper Temp sec	C	Flame Class	Meets UL796 DSR	C T I
Metal base single layer printed wiring boards.											
IMS1	0.2 (0.008)	0.2 (0.008)	35 (1.38)	SS	76.2 (3.0)	288	20	120	V-0	All	0
IMS2	0.2 (0.008)	0.2 (0.008)	35 (1.38)	SS	76.2 (3.0)	288	20	120	V-0	All	0
Multilayer printed wiring boards.											
2	0.1 (0.004)	0.1 (0.004)	16.5 (0.65) Int:66	DS	76.2 (3.0)	288	20	120	V-0	All	3
7	0.08 (0.003)	0.15 (0.006)	17 (0.67) Int:175	DS	76 (3.0)	288	20	130	V-0	All	*
MLHTG	0.1 (0.004)	0.1 (0.004)	16.5 (0.65) Int:66	DS	76.2 (3.0)	288	20	130	V-0	All	3
Multi layer	0.08 (0.003)	0.15 (0.006)	17 (0.67) Int:175	DS	76 (3.0)	288	20	130	V-0	All	*
Single layer printed wiring boards.											
1	0.1 (0.004)	0.1 (0.004)	16.5 (0.65)	DS	76.2 (3.0)	288	20	120	V-0	All	*
1A	0.1 (0.004)	0.1 (0.004)	16.5 (0.65)	SS	38.1 (1.5)	260	10	120	V-0	All	*
1B	0.14 (0.006)	0.14 (0.006)	16.5 (0.65)	SS	76.2 (3.0)	288	20	130	V-0	All	*
3	0.2 (0.008)	0.2 (0.008)	35 (1.38)	DS	76.2 (3.0)	288	20	120	V-1	All	3
4	0.14 (0.006)	0.14 (0.006)	16.5 (0.65)	DS	76.2 (3.0)	288	20	130	V-0	All	3
6	0.08 (0.003)	0.15 (0.006)	17 (0.67)	DS	50.8 (2.0)	288	20	130	V-0	All	*
Double side	0.08 (0.003)	0.15 (0.006)	17 (0.67)	DS	50.8 (2.0)	288	20	130	V-0	All	*
SLHTG	0.1 (0.004)	0.1 (0.004)	16.5 (0.65)	DS	76.2 (3.0)	288	20	130	V-0	All	3

DS - Double-Sided

https://iq.ulprospector.com/en/profile?e=202398 1/2

CONSISTENT QUALITY YOU CAN TRUST

esseti
PRINTED CIRCUIT BOARD

IPC MEMBER AND SPECIALIST

Esseti S.r.l.

is an IPC member facility in good standing,
entitled to the full benefits of such membership,
subject to the rules and regulations of the Association.

In witness whereof, we have caused this certificate
to be executed by the duly authorized Officers of the Association.

Membership number 1923825

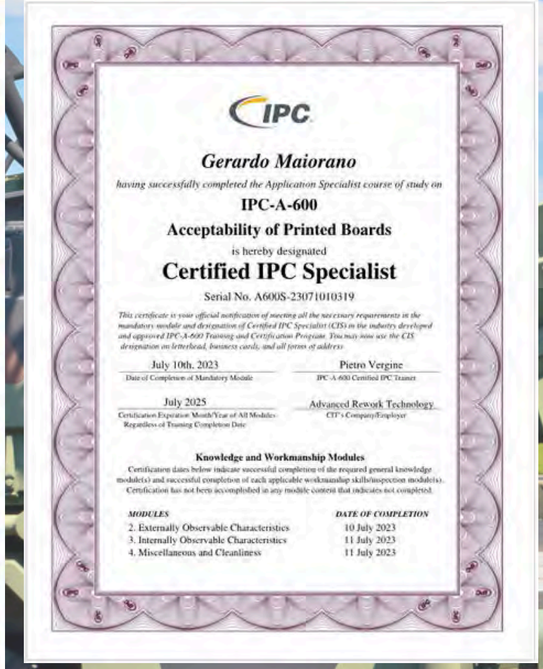
Valid to 4/30/2023

Member since 2/1/2020

IPC Chairman of the Board

IPC President and CEO

IPC



IPC

Gerardo Maiorano

having successfully completed the Application Specialist course of study on

IPC-A-600

Acceptability of Printed Boards

is hereby designated

Certified IPC Specialist

Serial No. A600S-23071010319

This certificate is your official notification of meeting all the necessary requirements in the mandatory module and designation of Certified IPC Specialist (CIS) in the industry developed and approved IPC-A-600 Training and Certification Program. You may now use the CIS designation on letterhead, business cards, and all forms of address.

July 10th, 2023 — Date of Completion of Mandatory Module

Pietro Vergine — IPC-A-600 Certified IPC Trainer

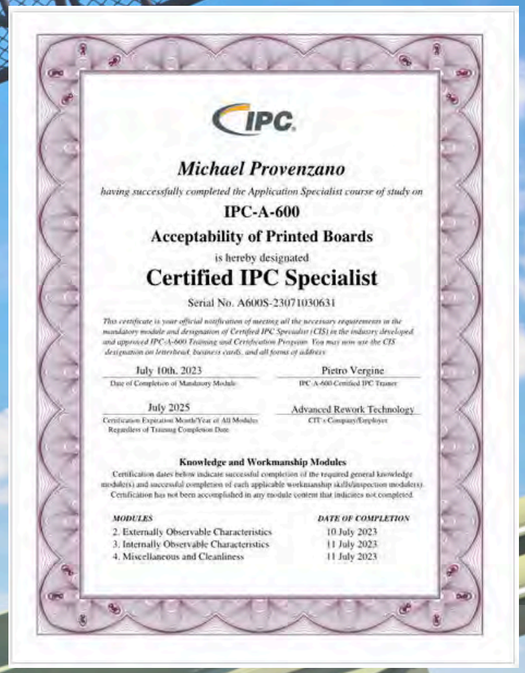
July 2025 — Certification Expiration Month/Year of All Modules Regardless of Training Completion Date

Advanced Rework Technology — CIT's Company/Employer

Knowledge and Workmanship Modules

Certification dates below indicate successful completion of the required general knowledge module(s) and successful completion of each applicable workmanship skills/inspection module(s). Certification has not been accomplished in any module content that indicates not completed.

MODULES	*DATE OF COMPLETION*
2. Externally Observable Characteristics	10 July 2023
3. Internally Observable Characteristics	11 July 2023
4. Miscellaneous and Cleanliness	11 July 2023



IPC

Michael Provenzano

having successfully completed the Application Specialist course of study on

IPC-A-600

Acceptability of Printed Boards

is hereby designated

Certified IPC Specialist

Serial No. A600S-23071030631

This certificate is your official notification of meeting all the necessary requirements in the mandatory module and designation of Certified IPC Specialist (CIS) in the industry developed and approved IPC-A-600 Training and Certification Program. You may now use the CIS designation on letterhead, business cards, and all forms of address.

July 10th, 2023 — Date of Completion of Mandatory Module

Pietro Vergine — IPC-A-600 Certified IPC Trainer

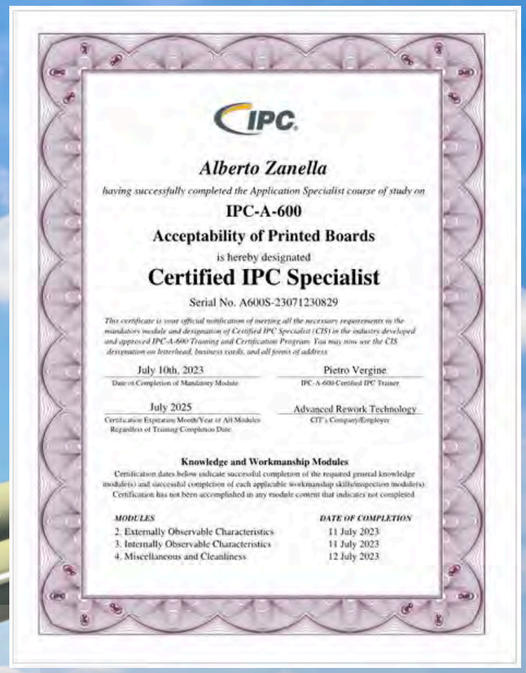
July 2025 — Certification Expiration Month/Year of All Modules Regardless of Training Completion Date

Advanced Rework Technology — CIT's Company/Employer

Knowledge and Workmanship Modules

Certification dates below indicate successful completion of the required general knowledge module(s) and successful completion of each applicable workmanship skills/inspection module(s). Certification has not been accomplished in any module content that indicates not completed.

MODULES	*DATE OF COMPLETION*
2. Externally Observable Characteristics	10 July 2023
3. Internally Observable Characteristics	11 July 2023
4. Miscellaneous and Cleanliness	11 July 2023



IPC

Alberto Zanella

having successfully completed the Application Specialist course of study on

IPC-A-600

Acceptability of Printed Boards

is hereby designated

Certified IPC Specialist

Serial No. A600S-23071230829

This certificate is your official notification of meeting all the necessary requirements in the mandatory module and designation of Certified IPC Specialist (CIS) in the industry developed and approved IPC-A-600 Training and Certification Program. You may now use the CIS designation on letterhead, business cards, and all forms of address.

July 10th, 2023 — Date of Completion of Mandatory Module

Pietro Vergine — IPC-A-600 Certified IPC Trainer

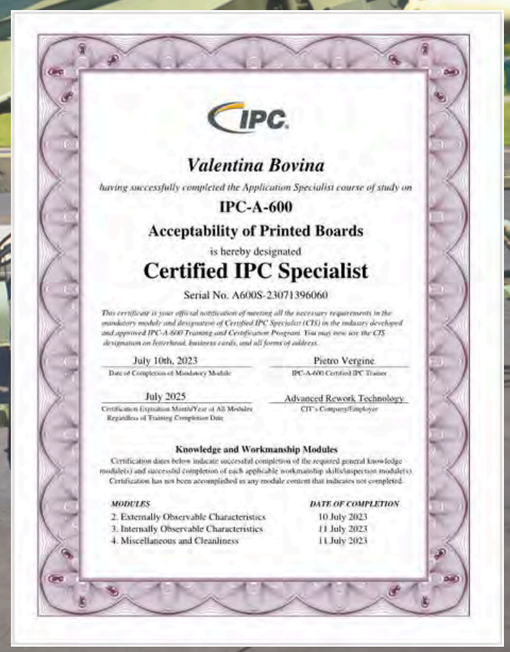
July 2025 — Certification Expiration Month/Year of All Modules Regardless of Training Completion Date

Advanced Rework Technology — CIT's Company/Employer

Knowledge and Workmanship Modules

Certification dates below indicate successful completion of the required general knowledge module(s) and successful completion of each applicable workmanship skills/inspection module(s). Certification has not been accomplished in any module content that indicates not completed.

MODULES	*DATE OF COMPLETION*
2. Externally Observable Characteristics	11 July 2023
3. Internally Observable Characteristics	11 July 2023
4. Miscellaneous and Cleanliness	12 July 2023



IPC

Valentina Bovina

having successfully completed the Application Specialist course of study on

IPC-A-600

Acceptability of Printed Boards

is hereby designated

Certified IPC Specialist

Serial No. A600S-23071396060

This certificate is your official notification of meeting all the necessary requirements in the mandatory module and designation of Certified IPC Specialist (CIS) in the industry developed and approved IPC-A-600 Training and Certification Program. You may now use the CIS designation on letterhead, business cards, and all forms of address.

July 10th, 2023 — Date of Completion of Mandatory Module

Pietro Vergine — IPC-A-600 Certified IPC Trainer

July 2025 — Certification Expiration Month/Year of All Modules Regardless of Training Completion Date

Advanced Rework Technology — CIT's Company/Employer

Knowledge and Workmanship Modules

Certification dates below indicate successful completion of the required general knowledge module(s) and successful completion of each applicable workmanship skills/inspection module(s). Certification has not been accomplished in any module content that indicates not completed.

MODULES	*DATE OF COMPLETION*
2. Externally Observable Characteristics	10 July 2023
3. Internally Observable Characteristics	11 July 2023
4. Miscellaneous and Cleanliness	11 July 2023

IPC

Monica Savogin

having successfully completed the Application Specialist course of study on

IPC-A-600

Acceptability of Printed Boards

is hereby designated

Certified IPC Specialist

Serial No. A600S-23071098897

This certificate is your official notification of meeting all the necessary requirements in the mandatory module and designation of Certified IPC Specialist (CIS) in the industry developed and approved IPC-A-600 Training and Certification Program. You may now use the CIS designation on letterhead, business cards, and all forms of address.

July 10th, 2023 — Date of Completion of Mandatory Module

Pietro Vergine — IPC-A-600 Certified IPC Trainer

July 2025 — Certification Expiration Month/Year of All Modules Regardless of Training Completion Date

Advanced Rework Technology — CIT's Company/Employer

Knowledge and Workmanship Modules

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MODULES	*DATE OF COMPLETION*
2. Externally Observable Characteristics	10 July 2023
3. Internally Observable Characteristics	11 July 2023
4. Miscellaneous and Cleanliness	11 July 2023

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http://www.circuiti-stampati.com/eng/

„TALENT WINS GAMES, BUT TEAMWORK AND INTELLIGENCE WINS CHAMPIONSHIPS.“

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esseti
PRINTED CIRCUIT BOARD


VISIT ESSETI HQ
Merci
Uffici
CLICK!