

# MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:  
190905-2015-AQ-ITA-ACCREDIA

Initial certification date:  
25 November 2015

Issue Date:  
25 November 2021

Expiry Date:  
24 November 2024

This is to certify that the management system of

## **ELCO ELECTRONIC COMPONENTS ITALIANA S.p.A.**

Via Turanense Km 44,829 - 67061 Carsoli (AQ) - Italy

has been found to conform to the Quality Management System standards:

**EN9100:2018 and ISO 9001:2015**  
**(technically equivalent to AS9100D and JISQ9100:2016)**

and has been audited in accordance with the requirements of EN 9104-001:2013 and ACCREDIA Technical Regulation RT-18.

Type of certification structure: Multiple Sites

This certificate is valid for the following scope:

**Manufacture and sale of professional printed circuit board.**

IAF Sector: 19

Place and (re-)issue date:  
Vimercate (MB), 16 November 2021



SGQ N° 003 A	EMAS N° 009 P
SGA N° 003 D	PRD N° 003 B
SGE N° 007 M	PRS N° 094 C
SCR N° 004 F	SSI N° 002 G

Membro di MLA EA per gli schemi di accreditamento SGQ, SGA, PRD, PRS, ISP, GIIG, LAB e LAT, di MLA IAF per gli schemi di accreditamento SGQ, SGA, SSI, FSM e PRD e di MRA ILAC per gli schemi di accreditamento LAB, MED, LAT e ISP

For the accredited unit:  
**DNV - Business Assurance**  
Via Energy Park, 14, - 20871 Vimercate (MB) - Italy



**Zeno Beltrami**  
Management Representative

**ZPMV2.E82595**  
**Wiring, Printed - Component**

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

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**Wiring, Printed - Component**

[See General Information for Wiring, Printed - Component](#)

**ELCO SPA**

VIA TURANENSE KM 44.829  
67061 CARSOLI, AQ ITALY

E82595

Type	Cond Width		Cond	SS/ DS/	Max		Max		Meets UL796 DSR	C	I
	Min	Edge			Area	Solder	Oper	Flame			
	mm(in)	mm(in)	Thk	DSO	Diam	Limits	Temp	Class			
<b>Mass laminated (multilayered) printed wiring boards.</b>											
<b>e</b>	0.10 (0.004)	0.10 (0.004)	16.5 (0.65)	DS	50.5 (2.0)	288	10	130	V-0	▲	*
<b>Multilayer printed wiring boards.</b>											
<b>b1</b>	0.13 (0.005)	0.38 (0.015)	16.5 (0.65) Int:70	DS	25.4 (1.0)	260	3	130	V-0	All	3
<b>b2</b>	0.13 (0.005)	0.38 (0.015)	16.5 (0.65) Int:70	DS	25.4 (1.0)	260	3	130	V-0	All	3
<b>b3</b>	0.13 (0.005)	0.38 (0.015)	16.5 (0.65) Int:70	DS	25.4 (1.0)	260	3	130	V-1	All	3
<b>c</b>	0.10 (0.004)	0.10 (0.004)	16.5 (0.65) Int:70	DS	76.2 (3.0)	288	10	130	V-0	All	*
<b>c1</b>	0.05 (0.002)	0.12 (0.005)	17 (0.67) Int:34	DS	76.2 (3.0)	260	10	130	V-0	All	-
<b>e1</b>	0.08 (0.003)	0.12 (0.005)	17 (0.67) Int:34	DS	25.4 (1.0)	280	20	130	V-0	All	-
<b>G</b>	0.05 (0.002)	0.152 (0.006)	9 (0.35) Int:33	DS	101.6 (4.0)	269	20	120	V-0	All	3
<b>L2</b>	0.051 (0.002)	0.152 (0.006)	9 (0.35) Int:33	DS	50.8 (2.0)	269	20	120	V-0	All	*
<b>Multilayer printed wiring boards, flammability only Recognition.</b>											
<b>H</b>	-	-	-	DS	-	288	10	-	V-0	-	-
<b>Single layer printed wiring boards.</b>											
<b>a</b>	0.15 (0.006)	0.46 (0.018)	16.5 (0.65)	DS	25.4 (1.0)	260	3	130	V-0	All	*
<b>d</b>	0.10 (0.004)	0.10 (0.004)	16.5 (0.65)	DS	76.2 (3.0)	288	10	130	V-0	All	*
<b>d1</b>	0.08 (0.003)	0.15 (0.006)	17 (0.67)	DS	76.2 (3.0)	260	10	130	V-0	All	-
<b>F</b>	0.1 (0.004)	0.1 (0.004)	17 (0.67)	DS	50.5 (2.0)	288	10	130	V-0	All	*

<b>F1</b>	0.05 (0.002)	0.15 (0.006)	17 (0.67)	DS	76.2 (3.0)	260	10	130	V-0	All	-
<b>Z</b>	0.075 (0.003)	0.152 (0.006)	16.5 (0.65)	DS	50.8 (2.0)	269	20	120	V-0	All	*
<b>Single layer printed wiring boards, flammability only Recognition.</b>											
<b>I</b>	-	-	-	DS	-	288	10	-	V-0	-	-

\* - CTI PLC may be marked on individual board.

DS - Double-Sided

Note - A triangle is marked on those products within a given type designation that comply with direct support of current-carrying parts performance level requirements of UL 796. "All" is used to indicate that all base materials under that type designation comply with direct support of current-carrying parts performance level requirement of UL796.



Marking: Company name or tradename "File Number" or trademark and type designation. May be followed by a suffix to denote factory identification.

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**ZPMV8.E82595**  
**Wiring, Printed Certified for Canada - Component**

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**Wiring, Printed Certified for Canada - Component**

[See General Information for Wiring, Printed Certified for Canada - Component](#)

**ELCO SPA**

E82595


VIA TURANENSE KM 44.829  
67061 CARSOLO, AQ ITALY


Type	Cond Width		Cond	SS/ DS/	Max		Max		Meets UL796	C	
	Min	Edge			Area	Solder	Oper	Flame			
	mm(in)	mm(in)	Thk mic(mil)	DSO	Diam mm(in)	Limits C sec	Temp C	Class	DSR	I	
<b>Mass laminated (multilayered) printed wiring boards.</b>											
<b>e</b>	0.10 (0.004)	0.10 (0.004)	16.5 (0.65)	DS	50.5 (2.0)	288 10	130	V-0	▲	*	
<b>Multilayer printed wiring boards.</b>											
<b>b1</b>	0.13 (0.005)	0.38 (0.015)	16.5 (0.65) Int:70	DS	25.4 (1.0)	260 3	130	V-0	All	3	
<b>b2</b>	0.13 (0.005)	0.38 (0.015)	16.5 (0.65) Int:70	DS	25.4 (1.0)	260 3	130	V-0	All	3	
<b>b3</b>	0.13 (0.005)	0.38 (0.015)	16.5 (0.65) Int:70	DS	25.4 (1.0)	260 3	130	V-1	All	3	
<b>c</b>	0.10 (0.004)	0.10 (0.004)	16.5 (0.65) Int:70	DS	76.2 (3.0)	288 10	130	V-0	All	*	
<b>G</b>	0.05 (0.002)	0.152 (0.006)	9 (0.35) Int:33	DS	101.6 (4.0)	269 20	120	V-0	All	3	
<b>L2</b>	0.051 (0.002)	0.152 (0.006)	9 (0.35) Int:33	DS	50.8 (2.0)	269 20	120	V-0	All	*	
<b>Multilayer printed wiring boards, flammability only Recognition.</b>											
<b>H</b>	-	-	-	DS	-	288 10	-	V-0	-	-	
<b>Single layer printed wiring boards.</b>											
<b>a</b>	0.15 (0.006)	0.46 (0.018)	16.5 (0.65)	DS	25.4 (1.0)	260 3	130	V-0	All	*	
<b>d</b>	0.10 (0.004)	0.10 (0.004)	16.5 (0.65)	DS	76.2 (3.0)	288 10	130	V-0	All	*	
<b>F</b>	0.1 (0.004)	0.1 (0.004)	17 (0.67)	DS	50.5 (2.0)	288 10	130	V-0	All	*	
<b>Z</b>	0.075 (0.003)	0.152 (0.006)	16.5 (0.65)	DS	50.8 (2.0)	269 20	120	V-0	All	*	
<b>Single layer printed wiring boards, flammability only Recognition.</b>											
<b>I</b>	-	-	-	DS	-	288 10	-	V-0	-	-	

\* - CTI PLC may be marked on individual board.

DS - Double-Sided

Note - A triangle is marked on those products within a given type designation that comply with direct support of current-carrying parts performance level requirements of UL 796. "All" is used to indicate that all base materials under that type designation comply with direct support of current-carrying parts performance level requirement of UL796.

Marking: Company name or tradename "File Number" or trademark  , type designation and Recognized Component

Mark for Canada,  . May be followed by a suffix to denote factory identification.

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**ZPXK2.E254214**  
**Wiring, Printed - Flexible Material Constructions - Component**

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**Wiring, Printed - Flexible Material Constructions - Component**

[See General Information for Wiring, Printed - Flexible Material Constructions - Component](#)

**ELCO SPA**

E254214

VIA TURANENSE KM 44.829  
 67061 CARSOLI, AQ ITALY

Type	Cond Width		Cond	SS/ DS	Max		Max		Meets UL796	C	
	Min	Edge			Area	Solder	Oper	Flame			
	mm(in)	mm(in)	Thk mic(mil)	Diam mm(in)	Limits C sec	Temp C	Class	DSR	T	I	
<b>Multilayer Rigid Flex Composite, Flexible Materials Interconnect Constructions.</b>											
<b>RF1</b>	0.10 (0.004)	0.30 (0.012)	17 (0.67) Int:34	DS	25.4 (1.0)	250	5	105	V-0	-	-

Marking: Company name or trademark



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