



**Coreworks**  
A Flex Company

## REACH Certificate of Compliance

This is to certify that all the parts listed in Annex-1 below do not contain more than 0.1% of product weight for each of 247 substances which are announced by ECHA as "Substances of Very High Concern (SVHC)" and our parts are compliant to REACH ANNEX XVII.

**Coreworks Product Name: Discrete Devices**

**Authorized signatory for Coreworks**

Signature: 

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Date: 2025-02-25

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**Annex-1**

Package	Function	PbO Yes / No (Proportion of the part)	B <sub>2</sub> O <sub>3</sub> Yes / No (Proportion of the part)	Pb Yes / No (Proportion of the part)
DFN 2L	TVS/ESD	No	No	No
	SWITCHING	No	No	No
	SCHOTTKY	No	No	No
	ZENER	No	No	No
DFN 3L	TVS/ESD	No	No	No
	SWITCHING	No	No	No
	MOSFET	No	No	No
	Transistors	No	No	No
DFN2020-6L	MOSFET	No	No	No
DFN2020B-6L	MOSFET	No	No	No
DFN2020-8L	MOSFET	No	No	No
DFN3333-8L	MOSFET	No	No	No
DFN3333B-8L	MOSFET	No	No	No
DFN1006-2L	TVS/ESD	No	No	No
	MOSFET	No	No	No
DFN1006-2L	SCHOTTKY	No	No	No
	SWITCHING	No	No	No
DFN1006-3L	TVS/ESD	No	No	No
	MOSFET	No	No	No
	SCHOTTKY	No	No	No
DFN2510-10L	TVS/ESD	No	No	No
DFN5060-8L	MOSFET	No	No	92.5%*(Solder)
DFN5050B-8L	MOSFET	No	No	92.5%*(Solder)
SOD-123	TVS/ESD	No	No	No
	SWITCHING	No	No	No
	SCHOTTKY	No	No	No
	ZENER	No	No	No



SOD-323	TVS/ESD	No	No	No
	SWITCHING	No	No	No
	SCHOTTKY	No	No	No
	PIN	No	No	No
	ZENER	No	No	No
SOD-523	TVS/ESD	No	No	No
	SWITCHING	No	No	No
	SCHOTTKY	No	No	No
	PIN	No	No	No
	Transistors	No	No	No
	ZENER	No	No	No
	ZENER ESD	No	No	No
SOD-723	TVS/ESD	No	No	No
	SWITCHING	No	No	No
	SCHOTTKY	No	No	No
	PIN	No	No	No
	ZENER	No	No	No
SOD-923	TVS/ESD	No	No	No
	SWITCHING	No	No	No
	SCHOTTKY	No	No	No
SOD-123FL	TVS	No	No	92.5%* (Solder)
	SCHOTTKY	No	No	92.5%* (Solder)
	ZENER	No	No	92.5%* (Solder)
	General	No	No	92.5%* (Solder) 3.5%* (Dice )
	Fast	No	No	92.5%* (Solder) 3.5%* (Dice )
	Ultra Fast	No	No	92.5%* (Solder) 3.5%* (Dice )
	Super Fast	No	No	92.5%* (Solder) 3.5%* (Dice )



SOD-123HE	SCHOTTKY	No	No	92.5%*(Solder)
	General	No	No	92.5%*(Solder) 3.5%*(Dice)
	ZENER	No	No	92.5%*(Solder)
	SUPER	No	No	92.5%*(Solder)
	TVS	No	No	92.5%*(Solder)
SOD-323HE	SCHOTTKY	No	No	92.5%*(Solder)
	TVS	No	No	92.5%*(Solder)
	ZENER	No	No	No
SOT-23	TVS/ESD	No	No	No
	SWITCHING	No	No	No
	MOSFET	No	No	No
	SCHOTTKY	No	No	No
	Transistors	No	No	No
	PIN	No	No	No
	ZENER	No	No	No
SOT-323	TVS/ESD	No	No	No
	SWITCHING	No	No	No
	MOSFET	No	No	No
	SCHOTTKY	No	No	No
	Transistors	No	No	No
	ZENER	No	No	No
SOT-363	TVS/ESD	No	No	No
	SWITCHING	No	No	No
	MOSFET	No	No	No
	SCHOTTKY	No	No	No
	SKY / ESD	No	No	No
	Transistors	No	No	No
	ZENER	No	No	No



SOT-23 6L	TVS/ESD	No	No	No
	SWITCHING	No	No	No
	SCHOTTKY	No	No	No
	SKY / ESD	No	No	No
	MOSFET	No	No	No
	Transistors	No	No	No
SOT-353	TVS/ESD	No	No	No
SOT-23 5L	TVS/ESD	No	No	No
SOT-223	Transistors	No	No	No
	MOSFET	No	No	No
SOT-523	TVS/ESD	No	No	No
	SWITCHING	No	No	No
	MOSFET	No	No	No
	SCHOTTKY	No	No	No
	Transistors	No	No	No
	ZENER	No	No	No
SOT-563	TVS/ESD	No	No	No
	SWITCHING	No	No	No
	SCHOTTKY	No	No	No
	SKY / ESD	No	No	No
	MOSFET	No	No	No
	Transistors	No	No	No
SOT-723	MOSFET	No	No	No
SOT-553	TVS/ESD	No	No	No
DO-218AC	TVS	3.17%* (Dice)	No	92.5%* (Solder)
DO-218AB	TVS	3.17%* (Dice)	No	92.5%* (Solder)
SC-59	MOSFET	No	No	No
SOT-143	TVS/ESD	No	No	No
	PIN	No	No	No
SOT-543	TVS/ESD	No	No	No



SMA	General	No	No	92.5%* (Solder) 3.5%* (Dice)
	Fast	No	No	92.5%* (Solder) 3.5%* (Dice)
	Ultra Fast	No	No	92.5%* (Solder) 3.5%* (Dice)
	Super Fast	No	No	92.5%* (Solder) 3.5%* (Dice)
	TVS	No	No	92.5%* (Solder)
	SCHOTTKY	No	No	92.5%* (Solder)
	ZENER	No	No	92.5%* (Solder)
SMB	General	No	No	92.5%* (Solder) 3.5%* (Dice)
	Fast	No	No	92.5%* (Solder) 3.5%* (Dice)
	Ultra Fast	No	No	92.5%* (Solder)
	Super Fast	No	No	92.5%* (Solder) 3.5%* (Dice)
	TVS	No	No	92.5%* (Solder)
	SCHOTTKY	No	No	92.5%* (Solder)
	ZENER	No	No	92.5%* (Solder)
SMC	General	No	No	92.5%* (Solder) 3.5%* (Dice)
	Fast	No	No	92.5%* (Solder) 3.5%* (Dice)
	Ultra Fast	No	No	92.5%* (Solder) 3.5%* (Dice)
	Super Fast	No	No	92.5%* (Solder) 3.5%* (Dice)
	TVS	No	No	92.5%* (Solder)
	SCHOTTKY	No	No	92.5%* (Solder)
	ZENER	No	No	92.5%* (Solder)
SMAF-C	General	No	No	92.5%* (Solder) 3.5%* (Dice)
	Fast	No	No	92.5%* (Solder) 3.5%* (Dice)



SMAF-C	Ultra Fast	No	No	92.5%* (Solder) 3.5%* (Dice)
	Super Fast	No	No	92.5%* (Solder) 3.5%* (Dice)
	TVS	No	No	92.5%* (Solder)
	SCHOTTKY	No	No	92.5%* (Solder)
	ZENER	No	No	92.5%* (Solder)
SMBF	General	No	No	92.5%* (Solder) 3.5%* (Dice)
	Fast	No	No	92.5%* (Solder) 3.5%* (Dice)
	Ultra Fast	No	No	92.5%* (Solder) 3.5%* (Dice)
	Super Fast	No	No	92.5%* (Solder) 3.5%* (Dice)
	TVS	No	No	92.5%* (Solder)
	SCHOTTKY	No	No	92.5%* (Solder)
	ZENER	No	No	92.5%* (Solder)
SMA(W)	General	No	No	92.5%* (Solder) 3.5%* (Dice)
	Ultra Fast	No	No	92.5%* (Solder) 3.5%* (Dice)
	Fast	No	No	92.5%* (Solder) 3.5%* (Dice)
	SCHOTTKY	No	No	92.5%* (Solder)
TO-277	General	No	No	92.5%* (Solder) 3.5%* (Dice)
	SCHOTTKY	No	No	92.5%* (Solder)
TO-277A	SCHOTTKY	No	No	92.5%* (Solder)
TO-277B	SCHOTTKY	No	No	92.5%* (Solder)
	General	No	No	92.5%* (Solder) 3.5%* (Dice)
TO-277C	SCHOTTKY	No	No	92.5%* (Solder)
	FRED	No	No	92.5%* (Solder)
	General	No	No	92.5%* (Solder) 3.5%* (Dice)
	TVS	No	No	92.5%* (Solder)





TO-220AB	SCHOTTKY	No	No	88%*(Solder)
	Super Fast	No	No	88%*(Solder) 3.5%*(Dice)
	Ultra Fast	No	No	88%*(Solder) 3.5%*(Dice)
	MOSFET	No	No	92.5%*(Solder)
TO-220AB-L	MOSFET	No	No	92.5%*(Solder)
ITO-220AB	SCHOTTKY	No	No	88%*(Solder)
	Super Fast	No	No	88%*(Solder) 3.5%*(Dice)
	Ultra Fast	No	No	88%*(Solder) 3.5%*(Dice)
ITO-220AB-F	MOSFET	No	No	92.5%*(Solder)
TO-220AC	Fast	No	No	88%*(Solder) 3.5%*(Dice)
	Ultra Fast	No	No	88%*(Solder) 3.5%*(Dice)
	SCHOTTKY	No	No	88%*(Solder)
	FRED	No	No	88%*(Solder)
	Sic SKY	No	No	88%*(Solder)
	Super Fast	No	No	88%*(Solder) 3.5%*(Dice)
ITO-220AC	Ultra Fast	No	No	88%*(Solder) 3.5%*(Dice)
	SCHOTTKY	No	No	88%*(Solder)
	FRED	No	No	88%*(Solder)
	Super Fast	No	No	88%*(Solder) 3.5%*(Dice)
D PAK(TO-252 )	MOSFET	No	No	92.5%*(Solder)
	SCHOTTKY	No	No	88%*(Solder)
	Super Fast	No	No	88%*(Solder) 3.5%*(Dice)
TO-252AA	MOSFET	No	No	92.5%*(Solder)
	SiC SKY	No	No	88%*(Solder)
	FRED	No	No	88%*(Solder)





D2 PAK(TO-263)	MOSFET	No	No	92.5%*(Solder)
	SCHOTTKY	No	No	88%*(Solder)
	Super Fast	No	No	88%*(Solder) 3.5%*(Dice)
	Fast	No	No	88%*(Solder) 3.5%*(Dice)
	SiC SKY	No	No	88%*(Solder)
	FRED	No	No	88%*(Solder)
	Ultra Fast	No	No	88%*(Solder) 3.5%*(Dice)
TO-3P (TO-247AD)	SCHOTTKY	No	No	88%*(Solder)
TO-247AD-2LD	FRED	No	No	88%*(Solder)
TO-247AD-3LD	FRED	No	No	88%*(Solder)
DO-41	ZENER	No	No	92.5%*(Solder)
	TVS	No	No	92.5%*(Solder)
	SCHOTTKY	No	No	92.5%*(Solder)
	Super Fast	No	No	92.5%*(Solder) 3.5%*(Dice)
	Fast	No	No	92.5%*(Solder) 3.5%*(Dice)
	Ultra Fast	No	No	92.5%*(Solder) 3.5%*(Dice)
	General	No	No	92.5%*(Solder) 3.5%*(Dice)
DO-15	ZENER	No	No	92.5%*(Solder)
	TVS	No	No	92.5%*(Solder)
	SCHOTTKY	No	No	92.5%*(Solder)
	Super Fast	No	No	92.5%*(Solder) 3.5%*(Dice)
	Fast	No	No	92.5%*(Solder) 3.5%*(Dice)
	Ultra Fast	No	No	92.5%*(Solder) 3.5%*(Dice)
	General	No	No	92.5%*(Solder) 3.5%*(Dice)



DO-201AD	General	No	No	92.5%*(Solder) 3.5%*(Dice)
	Fast	No	No	92.5%*(Solder) 3.5%*(Dice)
	Ultra Fast	No	No	92.5%*(Solder) 3.5%*(Dice)
	SCHOTTKY	No	No	92.5%*(Solder)
	Super Fast	No	No	92.5%*(Solder) 3.5%*(Dice)
DO-201AE	TVS	No	No	92.5%*(Solder)
	ZENER	No	No	92.5%*(Solder)
P-600	General	No	No	92.5%*(Solder) 3.5%*(Dice)
	Fast	No	No	92.5%*(Solder) 3.5%*(Dice)
	Ultra Fast	No	No	92.5%*(Solder) 3.5%*(Dice)
	SCHOTTKY	No	No	92.5%*(Solder)
	Super Fast	No	No	92.5%*(Solder) 3.5%*(Dice)
	TVS	No	No	92.5%*(Solder)
DIP	General	No	No	92.5%*(Solder) 3.5%*(Dice)
	Fast	No	No	92.5%*(Solder) 3.5%*(Dice)
	Ultra Fast	No	No	92.5%*(Solder) 3.5%*(Dice)
	Super Fast	No	No	92.5%*(Solder) 3.5%*(Dice)
	SCHOTTKY	No	No	92.5%*(Solder)
SDIP	General	No	No	92.5%*(Solder) 3.5%*(Dice)
	Fast	No	No	92.5%*(Solder) 3.5%*(Dice)
	Ultra Fast	No	No	92.5%*(Solder) 3.5%*(Dice)
	Super Fast	No	No	92.5%*(Solder) 3.5%*(Dice)
	SCHOTTKY	No	No	92.5%*(Solder)



MDI	General	No	No	92.5%*(Solder) 3.5%*(Dice)
	SCHOTTKY	No	No	92.5%*(Solder)
ABS	General	No	No	92.5%*(Solder) 11%*(Dice)
MBF	General	No	No	92.5%*(Solder) 11%*(Dice)
TDI(MICRO DIP)	SCHOTTKY	No	No	92.5%*(Solder)
KBU	General	6.5%* (Dice)	No	92.5%*(Solder)
FL	General	6.5%* (Dice)	No	92.5%*(Solder)
KBL	General	6.5%* (Dice)	No	92.5%*(Solder)
GBU	General	No	No	92.5%*(Solder) 11%*(Dice)
GBP	General	No	No	92.5%*(Solder) 11%*(Dice)
KBPF	General	6.5%* (Dice)	No	92.5%*(Solder)
GBJ	General	8.0%* (Dice)	No	92.5%*(Solder)
KBJ	General	4.55%*(Dice)	No	92.5%*(Solder)
RB-10/AM	General	8.0%* (Dice)	No	92.5%*(Solder)
SBU	General	8.0%* (Dice)	No	92.5%*(Solder)
GBL	General	6.5%* (Dice)	No	92.5%*(Solder)
DO-34	SWITCHING	60.5%*(Glass tube )	3%*(Glass tube )	No
	ZENER	60.5%*(Glass tube )	3%*(Glass tube )	No
DO-35	SWITCHING	60.5%*(Glass tube )	3%*(Glass tube )	No
	ZENER	60.5%*(Glass tube )	3%*(Glass tube )	No
Mini Melf (LL-34)	SWITCHING	58%* (Glass tube)	No	No
	ZENER	58%* (Glass tube)	No	No
	SCHOTTKY	58%* (Glass tube)	No	No
Micro Melf	SWITCHING	60.5%*(Glass tube )	3%*(Glass tube )	No
	ZENER	60.5%*(Glass tube )	3%*(Glass tube )	No
	SCHOTTKY	60.5%*(Glass tube )	3%*(Glass tube )	No
Quadro Melf	SWITCHING	60.5%*(Glass tube )	3%*(Glass tube )	No
	ZENER	60.5%*(Glass tube )	3%*(Glass tube )	No
	SCHOTTKY	60.5%*(Glass tube )	3%*(Glass tube )	No
DO-41G	ZENER	58%*(Glass tube )	No	No



DL-41	Zener	58% (Glass tube )	No	No
SOT-89	Transistors	No	No	No
SOP-8	MOSFET	No	No	No

\*Note1: According to "Guidance for Annex V Exemptions from the obligation to register (ECHA-10-G-02-EN)" from "Regulation (EC) No 987/2008" and refer to the link below:

[http://home.jeita.or.jp/ecb/pdf/PbO\\_glass\\_e.pdf](http://home.jeita.or.jp/ecb/pdf/PbO_glass_e.pdf)

PbO noted as the ceramic matrix and the chemical compound created is not a Substance of Very High Concern (SVHC).

\*Note2: Refer to the following statement, no obligations should arise under REACH,

"Position paper no diboran trioxide (B<sub>2</sub>O<sub>3</sub>) under REACH":

<http://www.zvei.org/Publikationen/Position%20paper%20on%20diboron%20trioxide.pdf>

B<sub>2</sub>O<sub>3</sub> is used as a base substance in production. but is not part of the finished product, the chemical compound created is not a Substance of Very High Concern (SVHC) .

\*Note3: Articles already covered by specific Union legislation regulating lead content or migration should, for reasons of consistency, be exempted.

Amending Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals ('REACH') as regards lead and its compounds.

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv:OJ.L .2015.104.01.0002.01.ENG>