

#### Micro Commercial Components Corp.

130 W Cochran St, Unit B Simi Valley, CA 93065 Tel: 818-701-4933 www.mccsemi.com

### **Certificate of RoHS Compliance**

Micro Commercial Components Corp. (MCC) hereby certifies that all devices manufactured by MCC with "P" suffix in part numbering system (-BP/-AP/-TP) are in compliance with the Restriction of Hazardous Substances (RoHS) Directive 2002/95/EC(RoHS 1.0) & 2011/65/EU(RoHS 2.0) & 2015/863/EU(RoHS 3.0) and 'China RoHS'.

There are some packages contain Lead(Pb), which are also compliance with RoHS but apply exemption 7(a). The Lead exemption declaration and detail packages contains Lead please refer to page 2 and page 3.

The following table lists the restricted substances and their respective allowable maximum concentration values:

Restricted Substance	<b>Maximum Concentration Value</b>
Cadmium	≤ 100 ppm
Lead	≤ 1000 ppm
Hexavalent chromium	≤ 1000 ppm
Mercury	≤ 1000 ppm
Polybrominated biphenyl (PBB)	≤ 1000 ppm
Polybrominated diphenyl ether (PBDE)	≤ 1000 ppm
Bis(2-ethylhexyl) phthalate (DEHP)	≤ 1000 ppm
Butyl benzyl phthalate (BBP)	≤ 1000 ppm
Dibutyl phthalate (DBP)	≤ 1000 ppm
Diisobutyl phthalate (DIBP)	≤ 1000 ppm

Sincerely,

Micro Commercial Components

Daisy Wang

**QA** Manager

MCCSEMI.COM

Date: Jan.20,2024



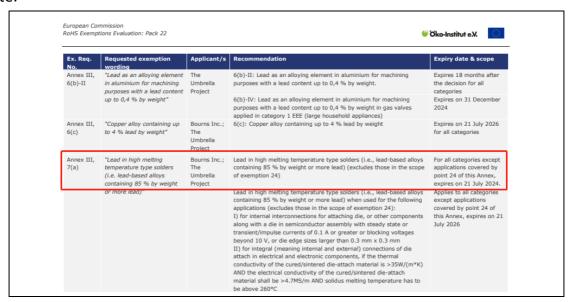
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## **Declaration of Lead Exemption**

Micro commercial components Corp.(MCC) hereby declared that lead is used in some solder type products (detail products see appendix 1), the lead is RoHS Exempted with 7a (lead in high melting temperature type die attach solders). The exempted item expired on July 21, 2021.

Solder suppliers are continuously finding the replaced material which not contain lead, still not find in the whole industry. Team applied the exemption time extend to 2024, European Union agreed the application and pulished the detail information on their website.



<sup>\*</sup> EU RoHS website:https://rohs.exemptions.oeko.info/fileadmin/user\_upload/RoHS\_Pack\_22/RoHS\_Pack-22\_final\_report\_amended\_February\_2022.pdf

MCC R&D team also working on finding replacement, and now there is a sintered Ag process which will not applied 7a exemption, so far there is no suitable and cheap solution in the market. MCC will continue to look for suitable replacement plan.



# Appendix 1 List of packages containing Lead

Devices Type	Detail Packages list
Axial Plastic Devices	R-1,R-3,R-6,A-405,DO-41,DO-15,DO-201AD,DO-201AE,
	T-18,LEADED BUTTON,PRESSFIT
SMD Plastic Devices	DO-218AB,DPAK,D2-PAK,LMBS-1,MBS-1,MELF,HSMA,HSMB,HSMC,RA,
	SRA,SDB-1,SMAE,SMA,SMB,SMC,SOD-123FL,SOD-123HT,
	SMAL,SMBF,SMG,SMPA,TO-262,TO-262L,SMA-FL,SMAG,SMBG,SMCG,
	RA BUTTON,SRA BUTTON,TO-277A,TO-277B,SDBL-1,MBLS-1,DO-218AB,
	SOD-323F,SOD-123HE,SOD-123HE1,SOD-323HE, TBS, TBSL, TBL,
	TO-277, SOD-323FH,TOLL,DFN3333,DFN5060,SME,SMG
THRO-HOLE	TO-126,TO-220AB,,TO-220AC,ITO-220AB,ITO-220AC,TO-220AB(H),
Plastic Devices	ITO-220,TO-220,TO-220F,TO-247,TO-247AB,TO-247AC, TO-247AD,
	TO-3P,TO-220,BUTTON,TO-18,TO-39,TO-3,TO-66,TO-262,TO-262L,
	RB-5,WOM,WOL,BR-6,BR-8D,KBP,KBPL,KBPC,KBPM,KBU,KBJ,KBJL,
	PB-3,PB-6,PB-10,GBU,GBJ,GBJL,GBL,GBP,GBPC,GBPC-W,GBPC-H,RS-1,
	RS-4L,RS-4M,RS-6,RS-6M,DBL-1,TO-251,TO-251S,D3K,RS-15M,RS-20M,
	RS-25M,MB-35(W),MP-50(W),MT, DB-1,MB-1,KBPR,AK, MT-35A, JB,
	JA, D3K,TSB-5,AK
MODULE	FJ,F1,F2,F3,F4,D1,D2,D3,D4,L1,L2,M1,M2,M3,M4,M5,T1,T2,D1N,
	C1,C2,E1,E2,E1A,E2A,W1,W2,W3,W4