# RoHS Certificate of Compliance Restriction of the use of certain Hazardous Substances (RoHS)

## **Product Compliance Table**

BRK3010	Product	RoHS 2	RoHS 3
BRK4310	BRK3005	✓	✓
BRK5010	BRK3010	✓	✓
BRK5310	BRK4310	/	(1)
BRK5310	BRK5010	✓	✓
BRK6110	BRK5305	✓	✓
BRK6310MT	BRK5310	✓	(1)
BRK7310MT	BRK6110	✓	✓
BRK7310MT	BRK6310MT	✓	✓
BRK7360	BRK7010	✓	✓
BRK8350	BRK7310MT	✓	✓
BRKD-ACV	BRK7360	✓	✓
Brain-1	BRK8350	✓	✓
EVB1005  EVB1006  EVB1007  FANSINK-30X30  FANSINK-30X30MC  FANSINK-40X40  HDRF-100M-20X2  HDRM-100M-20X2  HDRR-2MM-20X2  HDRR-2MM-20X2  HDR-2MM-20X2  HDR-BTE-040  HDR-QTE-060  HDR-QTH-090  HDRM-XEM3001  FSS050-25  PSS120-30  SZG-ADC-LTC2264  SZG-BRK-STD  SZG-BRK-TXR  SZG-CABLE     (1)   (1)   (1)  (1)  (1)  (1)  (1	BRKD-ACV	✓	(1)
EVB1006  EVB1007  FANSINK-30X30  FANSINK-30X30MC  FANSINK-40X40  HDRF-100M-20X2  HDRM-100M-20X2  HDRR-2MM-20X2  HDRR-2MM-20X2  HDRR-BTE-040  HDR-QTE-060  HDR-ATH-090  HDRR-XEM3001  PSS050-25  PSS120-30  SZG-ADC-LTC2264  SZG-BRK-STD  SZG-CABLE      (1)  (1)  (1)  (1)  (1)  (1)  (1)	Brain-1	✓	✓
EVB1007	EVB1005	✓	✓
FANSINK-30X30MC	EVB1006	✓	✓
FANSINK-30X30MC  FANSINK-40X40  HDRF-100M-20X2  HDRM-100M-20X2  HDRM-20X2  HDRM-2MM-20X2  HDR-2MM-20X2  HDR-BTE-040  HDR-QTE-060  HDR-QTH-090  HDR-XEM3001  HDRM-XEM3001  PSS050-25  PSS120-30  \$ZG-ADC-LTC2264  \$ZG-BRK-STD  \$ZG-CABLE	EVB1007	✓	(1)
FANSINK-40X40	FANSINK-30X30	✓	✓
HDRF-100M-20X2	FANSINK-30X30MC	✓	✓
HDRM-100M-20X2	FANSINK-40X40	✓	✓
HDRF-2MM-20X2	HDRF-100M-20X2	✓	✓
HDRM-2MM-20X2       ✓       ✓         HDR-BTE-040       ✓       ✓         HDR-QTE-060       ✓       ✓         HDR-QTH-090       ✓       ✓         HDRF-XEM3001       ✓       ✓         PSS050-25       ✓       ✓         PSS120-30       ✓       ✓         SZG-ADC-LTC2264       ✓       ✓         SZG-BRK-STD       ✓       ✓         SZG-BRK-TXR       ✓       ✓         SZG-CABLE       ✓       ✓	HDRM-100M-20X2	✓	✓
HDR-BTE-040       ✓       ✓         HDR-QTE-060       ✓       ✓         HDR-QTH-090       ✓       ✓         HDRF-XEM3001       ✓       ✓         HDRM-XEM3001       ✓       ✓         PSS050-25       ✓       ✓         SZG-ADC-LTC2264       ✓       ✓         SZG-BRK-STD       ✓       ✓         SZG-BRK-TXR       ✓       ✓         SZG-CABLE       ✓       ✓	HDRF-2MM-20X2	✓	✓
HDR-QTE-060       ✓       ✓         HDR-QTH-090       ✓       ✓         HDRF-XEM3001       ✓       ✓         HDRM-XEM3001       ✓       ✓         PSS050-25       ✓       ✓         PSS120-30       ✓       ✓         SZG-ADC-LTC2264       ✓       ✓         SZG-BRK-STD       ✓       ✓         SZG-BRK-TXR       ✓       ✓         SZG-CABLE       ✓       ✓	HDRM-2MM-20X2	✓	✓
HDR-QTH-090       ✓       ✓         HDRF-XEM3001       ✓       ✓         HDRM-XEM3001       ✓       ✓         PSS050-25       ✓       ✓         PSS120-30       ✓       ✓         SZG-ADC-LTC2264       ✓       ✓         SZG-BRK-STD       ✓       ✓         SZG-BRK-TXR       ✓       ✓         SZG-CABLE       ✓       ✓	HDR-BTE-040	✓	✓
HDRF-XEM3001       ✓       ✓         HDRM-XEM3001       ✓       ✓         PSS050-25       ✓       ✓         PSS120-30       ✓       ✓         SZG-ADC-LTC2264       ✓       ✓         SZG-BRK-STD       ✓       ✓         SZG-BRK-TXR       ✓       ✓         SZG-CABLE       ✓       ✓	HDR-QTE-060	✓	✓
HDRM-XEM3001       ✓       ✓         PSS050-25       ✓       ✓         PSS120-30       ✓       ✓         SZG-ADC-LTC2264       ✓       ✓         SZG-BRK-STD       ✓       ✓         SZG-BRK-TXR       ✓       ✓         SZG-CABLE       ✓       ✓	HDR-QTH-090	✓	✓
PSS050-25       ✓       ✓         PSS120-30       ✓       ✓         SZG-ADC-LTC2264       ✓       ✓         SZG-BRK-STD       ✓       ✓         SZG-BRK-TXR       ✓       ✓         SZG-CABLE       ✓       ✓	HDRF-XEM3001	✓	✓
PSS120-30         ✓         ✓           SZG-ADC-LTC2264         ✓         ✓           SZG-BRK-STD         ✓         ✓           SZG-BRK-TXR         ✓         ✓           SZG-CABLE         ✓         ✓	HDRM-XEM3001	/	1
SZG-ADC-LTC2264  SZG-BRK-STD  SZG-BRK-TXR  SZG-CABLE	PSS050-25	/	✓
SZG-BRK-STD   ✓ ✓  SZG-BRK-TXR  ✓ ✓  SZG-CABLE  ✓ ✓	PSS120-30	✓	✓
SZG-BRK-TXR	SZG-ADC-LTC2264	✓	✓
SZG-CABLE ✓ ✓	SZG-BRK-STD	✓	✓
	SZG-BRK-TXR	✓	✓
SZG-DAC-AD9116 ✓ ✓	SZG-CABLE	✓	✓
	SZG-DAC-AD9116	✓	✓

SZG-DUALSFP	1	✓
SZG-PMOD4	1	✓
SZG-SENSOR	1	✓
SZG-TST-STD	1	✓
SZG-TST-TXR	1	✓
XEM3001	1	✓
XEM3005	1	✓
XEM3010	1	✓
XEM3050	1	(1)
XEM5010	1	✓
XEM6001	1	✓
XEM6002	1	(1)
XEM6006	1	(1)
XEM6010	1	✓
XEM6110	1	(1)
XEM6310	1	✓
XEM6310MT	1	✓
XEM7001	1	✓
XEM7010	1	✓
XEM7305	1	✓
XEM7310	1	✓
XEM7310MT	1	✓
XEM7320	1	✓
XEM7350	1	✓
XEM7360	1	✓
XEM8350	1	✓
ZEM4310	1	✓
ZEM5305	1	(1)
ZEM5310	1	✓

### Notes

(1) Some existing inventory predates the RoHS 3 amendments and, while we have no reason to believe this inventory is non-compliant, it cannot be certified as compliant due to limitations in assurances from our vendors.

#### RoHS 2

Products marked as "RoHS 2" are manufactured by Opal Kelly Incorporated and comply with Directive 2011/65/EU of the European Parliament and the Council of 2011-06-08 restricting the use of certain hazardous substances in electrical and electronic equipment ("RoHS Recast" or "RoHS2"). This declaration is based on the information provided by our suppliers.

The following table lists the restricted materials and their respective allowable limits:

Substance	% by weight
Lead (Pb)	0.10%
Mercury (Hg)	0.10%
Hexavalent Chromium (Cr6+)	0.10%
Polybrominated Biphenyls (PBB)	0.10%
Polybrominated Diphenyl Ethers (PBDE)	0.10%
Cadmium	0.01%

#### RoHS 3

Products marked as "RoHS 3" are manufactured by Opal Kelly Incorporated and comply with Directive 2011/65/EU of the European Parliament and the Council of 2011-06-08 as amended by 2015/863/EU restricting the use of certain hazardous substances in electrical and electronic equipment ("RoHS3"). This declaration is based on the information provided by our suppliers.

The following table lists the restricted materials and their respective allowable limits:

Substance	% by weight
Lead (Pb)	0.10%
Mercury (Hg)	0.10%
Hexavalent Chromium (Cr6+)	0.10%
Polybrominated Biphenyls (PBB)	0.10%
Polybrominated Diphenyl Ethers (PBDE)	0.10%
Cadmium	0.01%
Bis (2-ethylhexyl) phthalate (DEHP)	0.10%
Butyl benzyl phthalate (BBP)	0.10%
Dibutyl phthalate (DBP)	0.10%
Diisobutyl phthalate (DIBP)	0.10%

#### Certification

Certified 2020-03-01

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