



## RoHS Compliance Declaration

Supplier Name: Delta Electronics (Thailand) Public Co., Ltd.

Address: 909 Soi 9 Moo 4, Bangpoo Ind. Estate (E.P.Z.), Pattana 1 Rd., Tambol Phraksa, Amphur Muang, Samutprakarn 10280, Thailand. Telephone: +66 (0) 7092800

We hereby certify that our AC-DC & DC-DC converter products of DCBU plant are compliant with the EU RoHS:

- Directive 2011/65/EU the restriction of the use of certain hazardous substances.
- Directive (EU) 2015/863 amends EU RoHS to restrict four phthalates.

The following table is the restricted substances and maximum concentration values tolerated by weight in homogeneous materials.

RoHS Restricted Substances	Maximum concentration
Cadmium and its compounds	100 ppm (0.01 weight %)
Mercury and its compounds	1000 ppm (0.1 weight %)
Hexavalent chromium and its compounds	1000 ppm (0.1 weight %)
Lead and its compounds	1000 ppm (0.1 weight %)
Polybrominated biphenyls (PBB)	1000 ppm (0.1 weight %)
Polybrominated diphenyl ethers (PBDE)	1000 ppm (0.1 weight %)
Bis(2-ethylhexyl) phthalate (DEHP)	1000 ppm (0.1 weight %)
Butyl benzyl phthalate (BBP)	1000 ppm (0.1 weight %)
Dibutyl phthalate (DBP)	1000 ppm (0.1 weight %)
Diisobutyl phthalate (DIBP)	1000 ppm (0.1 weight %)

Note: Most of our products are RoHS compliant with the use of exemptions for lead: 6(c), 7(a) and 7(c)-I are mainly used.

For more information on specific product, please contact our local sales agent or [DCDC@deltaww.com](mailto:DCDC@deltaww.com)

Signature: Weerachai  
Name: Mr. Weerachai.W  
Title: Component Engineer

Date: Feb 26'2020  
Phone: +66(0)2709 2800  
Email address: [weerachai.w@deltaww.com](mailto:weerachai.w@deltaww.com)

Signature: Naruebet  
Name: Mr. Naruebet.C  
Title: Service Quality Assurance Head

Date: Feb 26'2020  
Phone: +66(0)2709 2800  
Email address: [naruebet@deltaww.com](mailto:naruebet@deltaww.com)

## Appendix

The following table is the Delta electronics product type and model name for reference.

Product Type	Series	Model Name
Board-mounted DCDC modules	isolated Brick	E24SR06508
Board-mounted DCDC modules	isolated Brick	E24SR05012
Board-mounted DCDC modules	isolated Brick	E24SR12005
Board-mounted DCDC modules	isolated Brick	E24SR3R320
Board-mounted DCDC modules	isolated Brick	E35SE05030
Board-mounted DCDC modules	isolated Brick	E35SE12013
Board-mounted DCDC modules	isolated Brick	E35SE24006
Board-mounted DCDC modules	isolated Brick	E35SE48003
Board-mounted DCDC modules	isolated Brick	E36SC05025
Board-mounted DCDC modules	isolated Brick	E36SC05527
Board-mounted DCDC modules	isolated Brick	E36SC12009
Board-mounted DCDC modules	isolated Brick	E36SC12010
Board-mounted DCDC modules	isolated Brick	E36SC3R335
Board-mounted DCDC modules	isolated Brick	E36SR05015
Board-mounted DCDC modules	isolated Brick	E36SR3R320
Board-mounted DCDC modules	isolated Brick	E48SC05012
Board-mounted DCDC modules	isolated Brick	E48SC05015
Board-mounted DCDC modules	isolated Brick	E48SC12005
Board-mounted DCDC modules	isolated Brick	E48SC12008
Board-mounted DCDC modules	isolated Brick	E48SC12010
Board-mounted DCDC modules	isolated Brick	E48SC12020
Board-mounted DCDC modules	isolated Brick	E48SC12025
Board-mounted DCDC modules	isolated Brick	E48SC12030
Board-mounted DCDC modules	isolated Brick	E48SC32005
Board-mounted DCDC modules	isolated Brick	E48SC32009
Board-mounted DCDC modules	isolated Brick	E48SC3R315
Board-mounted DCDC modules	isolated Brick	E48SC3R320
Board-mounted DCDC modules	isolated Brick	E48SC3R325
Board-mounted DCDC modules	isolated Brick	E48SC50006
Board-mounted DCDC modules	isolated Brick	E48SH05020
Board-mounted DCDC modules	isolated Brick	E48SH12010
Board-mounted DCDC modules	isolated Brick	E48SH12013
Board-mounted DCDC modules	isolated Brick	E48SH1R050

Board-mounted DCDC modules	isolated Brick	E48SH1R250
Board-mounted DCDC modules	isolated Brick	E48SH1R540
Board-mounted DCDC modules	isolated Brick	E48SH1R840
Board-mounted DCDC modules	isolated Brick	E48SH2R535
Board-mounted DCDC modules	isolated Brick	E48SH3R330
Board-mounted DCDC modules	isolated Brick	E48SK12038
Board-mounted DCDC modules	isolated Brick	E48SP05040
Board-mounted DCDC modules	isolated Brick	E48SP12020
Board-mounted DCDC modules	isolated Brick	E48SP12020
Board-mounted DCDC modules	isolated Brick	E48SP3R340
Board-mounted DCDC modules	isolated Brick	E48SR3R320
Board-mounted DCDC modules	isolated Brick	E48SR05012
Board-mounted DCDC modules	isolated Brick	E48SR12006
Board-mounted DCDC modules	isolated Brick	E48SR12007
Board-mounted DCDC modules	isolated Brick	E48SR15004
Board-mounted DCDC modules	isolated Brick	E48SP3R360
Board-mounted DCDC modules	isolated Brick	E54SD12025
Board-mounted DCDC modules	isolated Brick	E54SJ05040
Board-mounted DCDC modules	isolated Brick	E54SJ12033
Board-mounted DCDC modules	isolated Brick	E54SJ12040
Board-mounted DCDC modules	isolated Brick	E54SJ3R350
Board-mounted DCDC modules	isolated Brick	H36SA54003
Board-mounted DCDC modules	isolated Brick	H48SA12025
Board-mounted DCDC modules	isolated Brick	H48SA28016
Board-mounted DCDC modules	isolated Brick	H48SA53010
Board-mounted DCDC modules	isolated Brick	H48SC28016
Board-mounted DCDC modules	isolated Brick	H80SV12008
Board-mounted DCDC modules	isolated Brick	H80SV12017
Board-mounted DCDC modules	isolated Brick	H80SV15007
Board-mounted DCDC modules	isolated Brick	H80SV15013
Board-mounted DCDC modules	isolated Brick	H80SV24004
Board-mounted DCDC modules	isolated Brick	H80SV24008
Board-mounted DCDC modules	isolated Brick	H80SV48002
Board-mounted DCDC modules	isolated Brick	H80SV48004
Board-mounted DCDC modules	isolated Brick	H80SV54004
Board-mounted DCDC modules	isolated Brick	Q36SR12017
Board-mounted DCDC modules	isolated Brick	Q36SR12019

Board-mounted DCDC modules	isolated Brick	Q36SR12020
Board-mounted DCDC modules	isolated Brick	Q48SA54001
Board-mounted DCDC modules	isolated Brick	Q48SC12025
Board-mounted DCDC modules	isolated Brick	Q48SC12033
Board-mounted DCDC modules	isolated Brick	Q48SC12042
Board-mounted DCDC modules	isolated Brick	Q48SC12050
Board-mounted DCDC modules	isolated Brick	Q48SJ12056
Board-mounted DCDC modules	isolated Brick	Q48SQ12018
Board-mounted DCDC modules	isolated Brick	Q48SQ12025
Board-mounted DCDC modules	isolated Brick	Q48SQ12033
Board-mounted DCDC modules	isolated Brick	Q54SG12033
Board-mounted DCDC modules	isolated Brick	Q54SG12050
Board-mounted DCDC modules	isolated Brick	Q54SJ10892
Board-mounted DCDC modules	isolated Brick	Q54SJ108A2
Board-mounted DCDC modules	isolated Brick	Q54SJ12058
Board-mounted DCDC modules	isolated Brick	S24DE12001
Board-mounted DCDC modules	isolated Brick	S24DE120R4
Board-mounted DCDC modules	isolated Brick	S24DE120R6
Board-mounted DCDC modules	isolated Brick	S24DE120R8
Board-mounted DCDC modules	isolated Brick	S24DE15001
Board-mounted DCDC modules	isolated Brick	S24DE150R3
Board-mounted DCDC modules	isolated Brick	S24DE150R5
Board-mounted DCDC modules	isolated Brick	S24DE150R6
Board-mounted DCDC modules	isolated Brick	S24SE05002
Board-mounted DCDC modules	isolated Brick	S24SE05003
Board-mounted DCDC modules	isolated Brick	S24SE05004
Board-mounted DCDC modules	isolated Brick	S24SE05006
Board-mounted DCDC modules	isolated Brick	S24SE12001
Board-mounted DCDC modules	isolated Brick	S24SE12002
Board-mounted DCDC modules	isolated Brick	S24SE12003
Board-mounted DCDC modules	isolated Brick	S24SE120R8
Board-mounted DCDC modules	isolated Brick	S24SE15001
Board-mounted DCDC modules	isolated Brick	S24SE15002
Board-mounted DCDC modules	isolated Brick	S24SE150R6
Board-mounted DCDC modules	isolated Brick	S24SE150R9
Board-mounted DCDC modules	isolated Brick	S24SE3R303
Board-mounted DCDC modules	isolated Brick	S24SE3R305

Board-mounted DCDC modules	isolated Brick	S24SE3R306
Board-mounted DCDC modules	isolated Brick	S24SE3R307
Board-mounted DCDC modules	isolated Brick	S24SP05008
Board-mounted DCDC modules	isolated Brick	S24SP05012
Board-mounted DCDC modules	isolated Brick	S24SP12004
Board-mounted DCDC modules	isolated Brick	S24SP12005
Board-mounted DCDC modules	isolated Brick	S24SP15003
Board-mounted DCDC modules	isolated Brick	S24SP15004
Board-mounted DCDC modules	isolated Brick	S24SP24002
Board-mounted DCDC modules	isolated Brick	S24SP24003
Board-mounted DCDC modules	isolated Brick	S36SE05003
Board-mounted DCDC modules	isolated Brick	S36SE12001
Board-mounted DCDC modules	isolated Brick	S36SE12002
Board-mounted DCDC modules	isolated Brick	S36SE3R305
Board-mounted DCDC modules	isolated Brick	S48SP05007
Board-mounted DCDC modules	isolated Brick	S48SP12003
Board-mounted DCDC modules	isolated Brick	S48SP3R310
Board-mounted DCDC modules	isolated Brick	T48SR05005
Board-mounted DCDC modules	isolated Brick	T48SR3R307
Board-mounted DCDC modules	isolated Brick	V36SE05010
Board-mounted DCDC modules	isolated Brick	V36SE12004
Board-mounted DCDC modules	isolated Brick	V36SE12005
Board-mounted DCDC modules	isolated Brick	V36SE3R315
Board-mounted DCDC modules	isolated Brick	V48SC05013
Board-mounted DCDC modules	isolated Brick	V48SC05017
Board-mounted DCDC modules	isolated Brick	V48SC05020
Board-mounted DCDC modules	isolated Brick	V48SC12007
Board-mounted DCDC modules	isolated Brick	V48SC12008
Board-mounted DCDC modules	isolated Brick	V48SC12010
Board-mounted DCDC modules	isolated Brick	V48SC3R315
Board-mounted DCDC modules	isolated Brick	V48SC3R320
Board-mounted DCDC modules	isolated Brick	V48SC3R325
Board-mounted DCDC modules	isolated Brick	V48SH05017
Board-mounted DCDC modules	isolated Brick	V48SH05020
Board-mounted DCDC modules	isolated Brick	V48SH1R035
Board-mounted DCDC modules	isolated Brick	V48SH1R050
Board-mounted DCDC modules	isolated Brick	V48SH1R235

Board-mounted DCDC modules	isolated Brick	V48SH1R830
Board-mounted DCDC modules	isolated Brick	V48SH1R840
Board-mounted DCDC modules	isolated Brick	V48SH3R325
Board-mounted DCDC modules	isolated Brick	V48SH3R330
Board-mounted DCDC modules	isolated Brick	V48SR15004
Board-mounted DCDC modules	isolated Brick	V48SR1R225
Board-mounted DCDC modules	isolated Brick	V48SR1R825
Board-mounted DCDC modules	isolated Brick	V48SR2R520
Board-mounted DCDC modules	isolated Brick	Q54SH12050
Board-mounted DCDC modules	isolated Brick	Q54SH12060
Board-mounted DCDC modules	isolated Brick	Q54SH12068
Board-mounted DCDC modules	isolated Brick	Q54SH12084
Board-mounted DCDC modules	isolated Brick	Q54SH120A1