



CERTIFICATE OF COMPLIANCE - RoHS Declaration

All parts listed below are RoHS compliant and meet the requirements of the RoHS Directive 2011/65/EU and Directive (EU) 2015/863.

Material / Substance	Threshold Level
Cadmium/Cadmium compounds	<100 ppm
Hexavalent Chromium/Hexavalent Chromium compounds	<1000 ppm
Lead/Lead compounds	<1000 ppm
Mercury/Mercury compounds	<1000 ppm
Polybrominated Biphenyls (PBBs)	<1000 ppm
Polybrominated Diphenylethers (PBDEs)	<1000 ppm
Bis(2-Ethylhexyl) phthalate (DEHP)	<1000 ppm
Benzyl butyl phthalate (BBP)	<1000 ppm
Dibutyl phthalate (DBP)	<1000 ppm
Diisobutyl phthalate (DIBP)	<1000 ppm

The part numbers listed below will not exceed the above limits.

Part Numbers:

CTS Part Number	Part Description
CA70 series	Clock - Automotive
CB1V8 series	Clock Oscillator
CB2V5 series	Clock Oscillator
CB3/CB3LV series	Clock Oscillator
MXO45 series	Clock Oscillator
MXOHT series	Clock Oscillator

TC series	Clock Oscillator
625 series	Clock Oscillator
632 series	Clock Oscillator
633 series	Clock Oscillator
634 series	Clock Oscillator
635 series	Clock Oscillator
636 series	Clock Oscillator
637 series	Clock Oscillator
638 series	Clock Oscillator
643H series	Clock Oscillator
645H series	Clock Oscillator
647H series	Clock Oscillator
653 series	Clock Oscillator
654 series	Clock Oscillator
655 series	Clock Oscillator
656 series	Clock Oscillator
658 series	Clock Oscillator
HS324	Crystal - Industrial
HS534	Crystal - Industrial
CP5 series	Programmable Oscillator
CP7 series	Programmable Oscillator
ATS/ATS-SM series	Quartz Crystal
ATSSM GL series	Quartz Crystal
ATSSM LP series	Quartz Crystal
ATSSM TS series	Quartz Crystal
MP series	Quartz Crystal
402 series	Quartz Crystal
403 series	Quartz Crystal

405 series	Quartz Crystal
406 series	Quartz Crystal
407 series	Quartz Crystal
416 series	Quartz Crystal
425 series	Quartz Crystal
SA324 series	Quartz Crystal
SA534 series	Quartz Crystal
520 series	Temperature Compensated Crystal Oscillator
525 series	Temperature Compensated Crystal Oscillator
532 series	Temperature Compensated Crystal Oscillator
533 series	Temperature Compensated Crystal Oscillator
578 series	Temperature Compensated Crystal Oscillator
579 series	Temperature Compensated Crystal Oscillator
580 series	Temperature Compensated Crystal Oscillator
581 series	Temperature Compensated Crystal Oscillator
585 series	Temperature Compensated Crystal Oscillator
586 series	Temperature Compensated Crystal Oscillator
588 series	Temperature Compensated Crystal Oscillator
589 series	Temperature Compensated Crystal Oscillator
TT32 series	Temperature Compensated Crystal Oscillator
TF415	Tuning Fork Crystal
TF519	Tuning Fork Crystal
TFA16	Tuning Fork Crystal
TFA20	Tuning Fork Crystal
TFA32	Tuning Fork Crystal
TFE16	Tuning Fork Crystal
TFE20	Tuning Fork Crystal
TFE32	Tuning Fork Crystal
315 series	Voltage Controlled Crystal Oscillator

317 series	Voltage Controlled Crystal Oscillator
325 series	Voltage Controlled Crystal Oscillator
334 series	Voltage Controlled Crystal Oscillator
335 series	Voltage Controlled Crystal Oscillator
345 series	Voltage Controlled Crystal Oscillator
347 series	Voltage Controlled Crystal Oscillator
353 series	Voltage Controlled Crystal Oscillator
356 series	Voltage Controlled Crystal Oscillator
357 series	Voltage Controlled Crystal Oscillator
358 series	Voltage Controlled Crystal Oscillator
375 series	Voltage Controlled Crystal Oscillator
377 series	Voltage Controlled Crystal Oscillator
114 series	Oven Controlled Crystal Oscillator
117 series	Oven Controlled Crystal Oscillator
118 series	Oven Controlled Crystal Oscillator
119 series	Oven Controlled Crystal Oscillator
138 series	Oven Controlled Crystal Oscillator
196 series	Oven Controlled Crystal Oscillator

The signature below verifies that the statements above are valid and accurate.

Signature: _____

Date: January 24, 2019

Name: Daniel Oh

Title: Product Engineer