

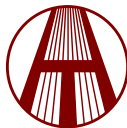
ROHS CERTIFICATE OF COMPLIANCE FOR TEC MODULES

This is to certify that all the products listed in the Part Number Table below are of RoHS compliant and do not, to the knowledge of the certifier, Analog Technologies, Inc., contain the substances listed in the Substance Material Table below exceeding the Maximum Concentration Value (MCV) given in the table.

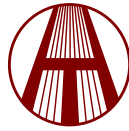
All the TEC modules listed are in production and/or available for production of RoHS Compatible Components.

Part Number Table

Series	Part Number	
Regular Temp. TEC Modules	ATE1-07-R8A	ATE1-31-3BS
	ATE1-07-1AS	ATE1-31-3CS
	ATE1-07-3AS	ATE1-31-4A
	ATE1-07-6AS	ATE1-31-4AS
	ATE1-08-R4A	ATE1-31-5A
	ATE1-11-R8A	ATE1-31-5AS
	ATE1-17-R8A	ATE1-31-6AS
	ATE1-17-1.4A	ATE1-32-R4A
	ATE1-17-1.4AS	ATE1-32-R4AS
	ATE1-17-1.9A	ATE1-35-1AS
	ATE1-17-3AS	ATE1-35-2AS
	ATE1-17-3BS	ATE1-35-3AS
	ATE1-17-4AS	ATE1-49-1AS
	ATE1-17-5AS	ATE1-49-2AS
	ATE1-18-R4A	ATE1-49-2BS
	ATE1-18-R4AS	ATE1-49-3AS
	ATE1-18-1R5A	ATE1-49-3BS
	ATE1-31-R6A	ATE1-49-4AS
	ATE1-31-1A	ATE1-49-4B
	ATE1-31-1BS	ATE1-49-4BS
	ATE1-31-1.4A	ATE1-49-5AS
	ATE1-31-1.6A	ATE1-49-6A
	ATE1-31-1.8A	ATE1-49-6AS
	ATE1-31-1.9A	ATE1-63-1.9A
	ATE1-31-1.9AS	ATE1-63-3A
	ATE1-31-2AS	ATE1-63-3.4A
	ATE1-31-2BS	ATE1-63-3.4AS
	ATE1-31-2.2A	ATE1-63-6AS
	ATE1-31-3A	ATE1-65-R8A
Regular Temp.	ATE1-65-R8AS	ATE1-127-7AS



Series	Part Number	
TEC Modules	ATE1-71-1AS	ATE1-127-8AS
	ATE1-71-1.9A	ATE1-127-8BS
	ATE1-71-2AS	ATE1-127-9AS
	ATE1-71-2BS	ATE1-127-10AS
	ATE1-71-3A	ATE1-127-10BS
	ATE1-71-3AS	ATE1-127-12A
	ATE1-71-3B	ATE1-127-12AS
	ATE1-71-3BS	ATE1-127-12BS
	ATE1-71-4A	ATE1-127-15AS
	ATE1-71-4AS	ATE1-127-18AS
	ATE1-71-4B	ATE1-161-4AS
	ATE1-71-4BS	ATE1-161-5AS
	ATE1-71-5AS	ATE1-161-6AS
	ATE1-71-5B	ATE1-199-2AS
	ATE1-71-5BS	ATE1-199-3AS
	ATE1-71-6AS	ATE1-241-3AS
	ATE1-71-7AS	ATE1-241-6AS
	ATE1-71-8AS	ATE1-241-8AS
	ATE1-127-3A	ATE1-241-10AS
	ATE1-127-3AS	ATE1-288-6AS
	ATE1-127-4A	ATE1-288-6BS
	ATE1-127-4AS	ATE1-288-7AS
	ATE1-127-4B	ATE1-288-8AS
	ATE1-127-4BS	ATE1-288-9AS
	ATE1-127-5A	ATE1-288-10AS
	ATE1-127-5AS	ATE1-288-10BS
	ATE1-127-5B	ATE1-288-20AS
	ATE1-127-5BS	ATEC1-38-3.4A
	ATE1-127-6AS	ATEC1-49-3AS
	ATE1-127-6BS	
High Temp. TEC Modules	ATE1-19-4ASH	ATE1-71-5BH
	ATE1-35-1ASH	ATE1-71-5BSH
	ATE1-35-4AH	ATE1-71-6ASH
	ATE1-71-2BSH	ATE1-71-7ASH
	ATE1-71-3BH	ATE1-71-8ASH
	ATE1-71-3BSH	ATE1-127-3AH
	ATE1-71-4BH	ATE1-127-3ASH
	ATE1-71-4BSH	ATE1-127-3BH
	ATE1-127-3BSH	ATE1-127-8ASH



Series	Part Number	
High Temp. TEC Modules	ATE1-127-4AH	ATE1-127-8BSH
	ATE1-127-4ASH	ATE1-127-9ASH
	ATE1-127-4BH	ATE1-127-10ASH
	ATE1-127-4BSH	ATE1-127-10BSH
	ATE1-127-5AH	ATE1-127-12BSH
	ATE1-127-5ASH	ATE1-127-15ASH
	ATE1-127-5BH	ATE1-127-15BSH
	ATE1-127-6AH	ATE1-127-17AH
	ATE1-127-6ASH	ATE1-127-18ASH
	ATE1-127-7BSH	ATE1-127-26ASH
	ATE1-127-8AH	
Thermal Cycling TEC Modules	ATE1-TC-31-3AS	ATE1-TC-127-6BH
	ATE1-TC-71-5R5AS	ATE1-TC-127-6BSH
	ATE1-TC-71-7R8A	ATE1-TC-127-7R8A
	ATE1-TC-71-7R8AS	ATE1-TC-127-7R8AS
	ATE1-TC-127-4ASH	ATE1-TC-127-8AH
	ATE1-TC-127-5R5A	ATE1-TC-127-8ASH
	ATE1-TC-127-5R5AS	ATE1-TC-127-12R1A
	ATE1-TC-127-5R7A	ATE1-TC-127-12R1AS
	ATE1-TC-127-5R7AS	ATE1-TC-199-13A
	ATE1-TC-127-6ASH	ATE1-TC-199-13AS
Thermal Cycling High Efficiency TEC Modules	ATE1-TCHE-31-9A	ATE1-TCHE-127-3A
	ATE1-TCHE-31-15A	ATE1-TCHE-127-4A
	ATE1-TCHE-32-10A	ATE1-TCHE-127-4B
	ATE1-TCHE-32-15A	ATE1-TCHE-127-6A
	ATE1-TCHE-71-6A	ATE1-TCHE-127-8R5A
	ATE1-TCHE-71-8R5A	



Substance Material Table

Substance	Maximum Concentration Value (MCV)
Lead	0.1% by weight (1000 ppm)
Mercury	0.1% by weight (1000 ppm)
Cadmium	0.01% by weight (100 ppm)
Hexavalent Chromium	0.1% by weight (1000 ppm)
Polybrominated Biphenyls	0.1% by weight (1000 ppm)
Polybrominated Diphenyl Ethers (PBDE)	0.1% by weight (1000 ppm)