

## RoHS Status of Frequency Control Products

Product Range	RoHS Status	Part No. Status	Termination when compliant	Maximum reflow temperature and time
<b>Crystals</b>				
2x6 watch crystal	Compliant	LF prefix	SnAgCu	230degC 10s
3x8 watch crystal	Compliant	LF prefix	SnAgCu	230degC 10s
HC35 (TO5)	Compliant	LF prefix	SnAgCu	260degC 10s
HC49	Compliant	LF prefix	SnAgCu or Sn	260degC 10s
HC49 AUTO	Compliant	LF prefix	SnAgCu	260degC 10s
HC49/4H	Compliant	LF prefix	SnAgCu or Sn	260degC 10s
HC49/4H AUTO	Compliant	LF prefix	SnAgCu	260degC 10s
HC50	Compliant	LF prefix	Ni	260degC 10s
HC51	Compliant	LF prefix	SnAgCu	260degC 10s
UM1	Compliant	LF prefix	Au	260degC 10s
<b>SM Crystals</b>				
2SMX	Compliant	LF prefix	NiAu	260degC 10s
3SMX	Compliant	LF prefix	NiAu	260degC 10s
4SMX	Compliant	LF prefix	NiAu	260degC 10s
6SMX	Compliant	LF prefix	NiAu	260degC 10s
12SMX-A/-B/-C	Compliant	LF prefix	NiAu	260degC 10s
12SMX-A/-B AUTO	Compliant	LF prefix	NiAu	260degC 10s
14SMX	Compliant	LF prefix	NiAu	260degC 10s
85SMX	Compliant	LF prefix	Matte Sn	260degC 10s
85SMX AUTO	Compliant	LF prefix	SnAgCu	260degC 10s
86SMX	Compliant	LF prefix	SnCu	260degC 10s
86SMX-LP	Compliant	LF prefix	SnCu	260degC 10s
87SMX	Compliant	LF prefix	SnAgCu	260degC 10s
90SMX	Compliant	LF prefix	Matte Sn	260degC 10s
91SMX	Compliant	LF prefix	Matte Sn	260degC 10s
CFPX-5	Compliant	LF prefix	Au	260degC 10s
CFPX-56	Compliant	LF prefix	SnCu	245degC 3s
CFPX-98	Compliant	LF prefix	CuSnNiP or Sn	260degC 10s
CFPX-104	Compliant	LF prefix	Au	260degC 3s
CFPX-155	Compliant	LF prefix	Matte Sn	260degC 10s
CFPX-180	Compliant	LF prefix	NiAu	260degC 10s
CFPX-181	Compliant	LF prefix	NiAu	260degC 10s
CFPX-184	Compliant	LF prefix	NiAu	260degC 10s
CFPX-201	Compliant	LF prefix	NiAu	260degC 10s
CFPX-205	Compliant	LF prefix	Au	260degC 10s
CFPX-217	Compliant	LF prefix	SnAu	260degC 10s
CFPX-228	Compliant	LF prefix	NiAu	260degC 10s
CX-1-SM1	Compliant	LF prefix	Au	260degC 20s
CX-1V-SM1	Compliant	LF prefix	Au	260degC 20s
CX-1H-SM1	Compliant	LF prefix	Au	260degC 20s

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<b>SM Crystals (cont.)</b>				
CX-1/-1V/-1H-SM2	Not compliant (alternative - SM4)	N/A	N/A	260degC 20s
CX-1/-1V/-1H-SM3	Not compliant (alternative - SM5)	N/A	N/A	260degC 20s
CX-1/-1V/-1H-SM4	Compliant	LF prefix	Sn	260degC 20s
CX-1/-1V/-1H-SM5	Compliant	LF prefix	Sn	260degC 20s
HC49/4H-GULL WING AUTO	Compliant	LF prefix	SnAgCu	260degC 10s
HC49/4HSMX	Compliant	LF prefix	SnAgCu or Sn	260degC 10s
HC49/4HSMX AUTO	Compliant	LF prefix	SnAgCu	260degC 10s
IQXC-13-A/-B AUTO	Compliant	LF prefix	NiAu	260degC 10s
IQXC-19 AUTO	Compliant	LF prefix	NiAu	260degC 10s
IQXC-20-A AUTO	Compliant	LF prefix	NiAu	260degC 10s
IQXC-104-A/-B AUTO	Compliant	LF prefix	NiAu	260degC 10s
IQXC-180 AUTO	Compliant	LF prefix	NiAu	260degC 10s
IQXC-201 AUTO	Compliant	LF prefix	NiAu	260degC 10s
IQXC-228-A/-B AUTO	Compliant	LF prefix	NiAu	260degC 10s
<b>SPXOs</b>				
CFPS-302/-303	Compliant	LF prefix	SnAgCu or SnCu	240degC 10s
CFPS-306/-307	Compliant	LF prefix	SnAgCu or SnCu	240degC 10s
IQXO-22/-23	Compliant	LF prefix	SnAgCu or SnCu	240degC 10s
IQXO-34	Compliant	LF prefix	SnAgCu	260degC 10s
IQXO-35/-36	Compliant	LF prefix	SnCu	240degC 10s
IQXO-41/-42	Exempt	F1 prefix	SnPb	240degC 10s
IQXO-67	Compliant	LF prefix	SnAgCu	260degC 10s
IQXO-85/-86/-87/-88	Compliant	LF prefix	NiAu	240degC 10s
IQXO-135	Compliant	LF prefix	SnAgCu	240degC 10s
IQXO-149	Compliant	LF prefix	SnAgCu or SnCu	240degC 10s
IQXO-331/-336	Compliant	LF prefix	SnCu	240degC 10s
IQXO-350	Compliant	LF prefix	SnAgCu or SnCu	235degC 10s
IQXO-365/-366	Compliant	LF prefix	SnCu	240degC 10s
IQXO-415	Compliant	LF prefix	SnCu	240degC 10s
IQXO-525/-532	Exempt	F1 prefix	SnPb	240degC 10s
IQXO-625/-626/-627/-628	Compliant	LF prefix	NiAu	240degC 10s
IQXO-919	Compliant	LF prefix	SnCu	260degC 10s
QC6107 / QC6108	Compliant	LF prefix	SnPb	240degC 10s
QC6111 / QC6112	Compliant	LF prefix	NiAu	260degC 30s
<b>SM SPXOs</b>				
CFPS-9/-12	Compliant	LF prefix	NiAu	260degC 10s
CFPS-28	Compliant	LF prefix	NiAu	260degC 10s
CFPS-31	Compliant	LF prefix	NiAu	260degC 10s
CFPS-32	Compliant	LF prefix	NiAu	260degC 10s

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<b>SM SPXOs (cont.)</b>				
CFPS-34	Compliant	LF prefix	NiAu	260degC 10s
CFPS-36	Compliant	LF prefix	NiAu	260degC 10s
CFPS-37	Compliant	LF prefix	NiAu	260degC 10s
CFPS-39	Compliant	LF prefix	NiAu	260degC 10s
CFPS-60	Compliant	LF prefix	NiAu	260degC 10s
CFPS-63	Compliant	LF prefix	NiAu	260degC 10s
CFPS-64	Compliant	LF prefix	NiAu	260degC 10s
CFPS-72/-73	Compliant	LF prefix	NiAu	260degC 10s
CFPS-74	Compliant	LF prefix	NiAu	260degC 10s
CFPS-80	Compliant	LF prefix	NiAu	260degC 10s
CFPS-86	Compliant	LF prefix	NiAu	260degC 10s
CFPS-89	Compliant	LF prefix	NiAu	260degC 10s
CFPS-90	Compliant	LF prefix	NiAu	260degC 10s
CFPS-91	Compliant	LF prefix	NiAu	260degC 10s
CFPS-92	Compliant	LF prefix	NiAu	260degC 10s
CFPS-93	Compliant	LF prefix	NiAu	260degC 10s
CFPS-94	Compliant	LF prefix	NiAu	260degC 10s
CFPS-99	Compliant	LF prefix	NiAu	260degC 10s
CFPS-107/-108/-109	Compliant	LF prefix	NiAu	260degC 10s
CFPS-118	Compliant	LF prefix	NiAu	260degC 10s
CFPS-120	Compliant	LF prefix	NiAu	260degC 10s
CFPS-130/-131	Compliant	LF prefix	Ag	230degC 10s
CXO-M-SM1	Compliant	LF prefix	NiAu	260degC 20s
CXO-M-SM3	Not compliant (alternative - SM5)	N/A	N/A	260degC 20s
CXO-M-SM5	Compliant	LF prefix	SnNi	260degC 20s
IQXO-9/-12 AUTO	Compliant	LF prefix	NiAu	260degC 10s
IQXO-53/-57	Compliant	LF prefix	Ag	230degC 10s
IQXO-62/-63	Compliant	LF prefix	NiAu	260degC 10s
IQXO-70/-71	Compliant	LF prefix	NiAu	260degC 10s
IQXO-72/-73 AUTO	Compliant	LF prefix	NiAu	260degC 10s
IQXO-730/-731/-753/-757	Compliant	LF prefix	Ag	250degC 10s
<b>Programmable SPXOs</b>				
CFPP-9	Compliant	LF prefix	Au	260degC 10s
CFPP-12	Compliant	LF prefix	Au	260degC 10s
CFPP-23	Compliant	LF prefix	Matte Sn	260degC 10s
CFPP-39/-40/-41	Compliant	LF prefix	NiAu	260degC 10s
CFPP-57	Compliant	LF prefix	Matte Sn	260degC 10s
CFPP-72/-73	Compliant	LF prefix	Au	260degC 10s
CFPP-131	Compliant	LF prefix	Matte Sn	260degC 10s
CFPP-149	Compliant	LF prefix	Matte Sn	260degC 10s

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<b>Programmable SPXOs (cont.)</b>				
CFPP-303	Compliant	LF prefix	Matte Sn	260degC 10s
CFPP-307	Compliant	LF prefix	Matte Sn	260degC 10s
CFPP-600/-601	Compliant	LF prefix	Au	260degC 10s
CFPP-620	Compliant	LF prefix	Au	260degC 10s
CFPP-700	Compliant	LF prefix	Au	260degC 10s
CFPP-800	Compliant	LF prefix	Au	260degC 10s
<b>TCXOs</b>				
CFPT-47	Compliant	LF prefix	SnCu	260degC 10s
IQTCXO-210/-211/-218	Compliant	LF prefix	SnCu	235degC 10s
IQTCVCXO-258/-259	Compliant	LF prefix	SnCu	235degC 10s
<b>SM TCXOs</b>				
CFPT-37	Compliant	LF prefix	NiCoAu	260degC 10s
CFPT-40	Compliant	LF prefix	NiAu	260degC 10s
CFPT-52/-53	Compliant	LF prefix	NiAu	260degC 10s
CFPT-101	Compliant	LF prefix	NiAu	260degC 10s
CFPT-102/-103	Compliant	LF prefix	NiAu	260degC 10s
CFPT-119	Compliant	LF prefix	NiAu	260degC 10s
CFPT-121	Compliant	LF prefix	NiAu	260degC 10s
CFPT-123	Compliant	LF prefix	NiAu	260degC 10s
CFPT-125	Compliant	LF prefix	NiCoAu	260degC 30s
CFPT-126	Compliant	LF prefix	NiCoAu	260degC 10s
CFPT-127	Compliant	LF prefix	NiCoAu	260degC 10s
CFPT-141	Compliant	LF prefix	NiAu	260degC 10s
CFPT-8000/-8010/-8100/-8110/-8200/-8210	Compliant	LF prefix	NiAu	260degC 10s
CFPT-9001/-9003/-9005/-9006/-9007/-9008	Compliant	LF prefix	NiCoAu	260degC 30s
CFPT-9025	Compliant	LF prefix	NiCoAu	260degC 10s
CFPT-9033	Exempt	F1 prefix	SnPb	260degC 10s
CFPT-9050	Compliant	LF prefix	NiAu	260degC 10s
CFPT-9101/-9102/-9103/-9104/-9105/-9106/-9107/-9108	Compliant	LF prefix	NiAu	260degC 10s
CFPT-9300	Compliant	LF prefix	NiCoAu	260degC 10s
CFPT-9400	Compliant	LF prefix	NiAu	260degC 10s
E2747	Compliant	LF prefix	NiCoAu	260degC 30s
E2791	Compliant	LF prefix	NiCoAu	260degC 30s
E2799	Compliant	LF prefix	NiCoAu	260degC 30s
E2801	Compliant	LF prefix	NiCoAu	260degC 30s
E2855	Compliant	LF prefix	NiCoAu	260degC 30s
E2876	Compliant	LF prefix	NiCoAu	260degC 30s
E2889	Compliant	LF prefix	NiCoAu	260degC 30s
E3131	Compliant	LF prefix	NiCoAu	260degC 30s
E3179	Compliant	LF prefix	NiCoAu	260degC 30s
E3198	Compliant	LF prefix	NiCoAu	260degC 30s

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<b>SM TCXOs (cont.)</b>				
E3279	Compliant	LF prefix	NiCoAu	260degC 30s
E3332	Compliant	LF prefix	NiCoAu	260degC 30s
E4213	Compliant	LF prefix	NiCoAu	260degC 30s
E4232	Compliant	LF prefix	NiCoAu	260degC 30s
E4424	Compliant	LF prefix	NiCoAu	260degC 30s
<b>VCXOs</b>				
IQVCXO-161	Compliant	LF prefix	SnCuNi	260degC 10s
IQVCXO-172/-173/-174	Compliant	LF prefix	SnAgCu or SnCu	240degC 10s
<b>SM VCXOs</b>				
CFPV-7	Compliant	LF prefix	NiAu	260degC 10s
CFPV-32	Compliant	LF prefix	NiAu	260degC 10s
CFPV-41/-42/-43/-44	Compliant	LF prefix	NiAu	260degC 10s
CFPV-45/-46	Compliant	LF prefix	NiAu	260degC 10s
CFPV-55	Compliant	LF prefix	NiAu	260degC 10s
CFPV-74	Compliant	LF prefix	NiAu	260degC 10s
CFPV-80/-81/-82/-83/-84/-85/-86/-87	Compliant	LF prefix	Au	260degC 10s
CFPV-115	Compliant	LF prefix	NiAu	260degC 10s
<b>Spread Spectrum</b>				
CFSS-2	Compliant	LF prefix	NiAu	260degC 10s
CFSS-3	Compliant	LF prefix	NiAu	260degC 10s

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