



Key

	RoHS Compliant Part Available Now
	Projected Date to be RoHS Compliant
	Product Originally RoHS 5/6
	* Wave Solder

Parts with a -R suffix are on a RoHS 6/6 Compliance track
 Parts with a -V suffix are on a RoHS 5/6 Compliance track

Legacy Part Number	RoHS Compliant Part Number	Description	RoHS Compliant Availability Date	260°C Compliant 10 seconds	Lead Finish
ATS-1	ATS-1-R	Crystal	6/1/2005	Yes*	Sn/Cu
ATS-2	ATS-2-R	Crystal	6/1/2005	Yes*	Sn/Cu
ATS-49	ATS-49-R	Crystal	1/1/2004	Yes*	Sn/Ag/Cu
ATSM-49	ATSM-49-R	Crystal	1/1/2004	Yes	Sn/Ag/Cu
CIM	No change	Crystal	1/1/2004	Yes	Ni/Au
CMO3	No change	5x7 SMT	1/1/2004	Yes	Ni/Au
CMO5	No change	5x7 SMT	1/1/2004	Yes	Ni/Au
CMV	No change	5x7 SMT	1/1/2004	Yes	Ni/Au
CMV3	No change	5x7 SMT	1/1/2004	Yes	Ni/Au
Crystal Filters	Add -R to part number	Crystal Filter	2/1/2006	Contact Factory	
F1139BA	F1139BA-R	FR-4 SMT Crystal Oscillator	5/1/2005	Yes	Sn
F17250B	F17250B-R	FR-4 SMT Crystal Oscillator	5/1/2005	Yes	Sn
F17255B	F17255B-R	FR-4 SMT Crystal Oscillator	5/1/2005	Yes	Sn
F17350B	F17350B-R	FR-4 SMT Crystal Oscillator	5/1/2005	Yes	Sn
F17355B	F17355B-R	FR-4 SMT Crystal Oscillator	5/1/2005	Yes	Sn
F2139BA	F2139BA-R	FR-4 SMT Crystal Oscillator	5/1/2005	Yes	Sn
HC-49/U	HC-49/U-R	Crystal	1/1/2004	Yes*	Sn/Ag/Cu
HC-49U/C	HC-49U/C-R	Crystal	1/1/2004	Yes	Sn/Ag/Cu
HC-49U/N	HC-49U/N-R	Crystal	1/1/2004	Yes	Sn/Ag/Cu
K1523BA	K1523BA-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
K1524A	K1524A-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
K1525C	K1525C-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
K1526B	K1526BLC	9x11 SMT	1/1/2004	Yes	Ni/Au
K1526C	K1526CLC	9x11 SMT	1/1/2004	Yes	Ni/Au
K1526D	K1526D-R	9x14 SMT	6/1/2005	Yes	Ni/Au
K1528D	K1528D-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
K1536	No change	9x11 SMT	1/1/2004	Yes	Ni/Au
K1536B	No change	9x11 SMT	1/1/2004	Yes	Ni/Au
K1536BLC	No change	9x11 SMT	1/1/2004	Yes	Ni/Au
K1536C	No change	9x11 SMT	1/1/2004	Yes	Ni/Au
K1536CLC	No change	9x11 SMT	1/1/2004	Yes	Ni/Au
K1601	K1601-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
K1601T	K1601T-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
K1601TE	K1601TE-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
K1602	K1602-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
K1602SE	K1602SE-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
K1602T	K1602T-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
K1602TE	K1602TE-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
K1603T	K1603T-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
K1603TE	K1603TE-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
LC Filters	Add -R to part number	LC Filter	12/1/2005	N/A	
M1	No change	5x7 SMT	1/1/2004	Yes	Ni/Au
M2	No change	5x7 SMT	1/1/2004	Yes	Ni/Au
M2001	No change	5x7 SMT	1/1/2004	Yes	Ni/Au
M2032	No change	3.2x5 mm, 2.85 V	1/1/2004	Yes	Ni/Au
M2033	No change	3.2x5 mm, 3.0 V	1/1/2004	Yes	Ni/Au
M2034	No change	3.2x5 mm, 3.3 V	1/1/2004	Yes	Ni/Au
M2035	No change	5x7.5 mm, 2.85 V	1/1/2004	Yes	Ni/Au
M2036	No change	5x7.5 mm, 3.0 V	1/1/2004	Yes	Ni/Au
M2037	No change	5x7.5 mm, 3.3 V	1/1/2004	Yes	Ni/Au
M2180	No change	5x7 SMT	1/1/2004	Yes	Ni/Au
M2250	No change	5x7 SMT	1/1/2004	Yes	Ni/Au
M2532	No change	2.5x3.2x1.3 mm SMT	1/1/2004	Yes	Ni/Au
M3	No change	5x7 SMT	1/1/2004	Yes	Ni/Au
M3A	M3A-R	8 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
M3E	M3E-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
M3EH	M3EH-R	8 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
M3H	M3H-R	8 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
M3L	No change	3.2x5 SMT	1/1/2004	Yes	Ni/Au
M3R	M3R-R	9x14 SMT	6/1/2005	10/1/2006	Ag
M3V	M3V-R	9x14 SMT	12/1/2005	Yes	Ni/Au

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M4001	M4001-R	9x14 SMT	12/1/2005	Yes	Ni/Au
M4002	M4002-R	9x14 SMT	12/1/2005	Yes	Ni/Au
M4003	M4003-R	9x14 SMT	12/1/2005	Yes	Ni/Au
M4004	M4004-R	9x14 SMT	12/1/2005	Yes	Ni/Au
M4R	M4R-R	9x14 SMT	12/1/2005	Yes	Ni/Au
M4S	M4S-R	9x14 SMT	12/1/2005	Yes	Ni/Au
M5001	M5001-R	FR-4 SMT Crystal Oscillator	5/1/2005	Yes	Sn
M5002	M5002-R	FR-4 SMT Crystal Oscillator	5/1/2005	Yes	Sn
M5003	M5003-R	FR-4 SMT Crystal Oscillator	5/1/2005	Yes	Sn
M5004	M5004-R	FR-4 SMT Crystal Oscillator	5/1/2005	Yes	Sn
M5L	No change	3.2x5 SMT	1/1/2004	Yes	Ni/Au
M5R	M5R-R	9x14 SMT	12/1/2005	Yes	Ni/Au
M5RJ	M5RJ-R	9x14 SMT	12/1/2005	Yes	Ni/Au
M5S	M5S-R	9x14 SMT	12/1/2005	Yes	Ni/Au
M6001	M6001-R	FR-4 SMT Crystal Oscillator	5/1/2005	Yes	Sn
M6002	M6002-R	FR-4 SMT Crystal Oscillator	5/1/2005	Yes	Sn
M6003	M6003-R	FR-4 SMT Crystal Oscillator	5/1/2005	Yes	Sn
M6004	M6004-R	FR-4 SMT Crystal Oscillator	5/1/2005	Yes	Sn
M6005	M6005-R	FR-4 SMT Crystal Oscillator	5/1/2005	Yes	Sn
M6006	M6006-R	FR-4 SMT Crystal Oscillator	5/1/2005	Yes	Sn
M6007	M6007-R	FR-4 SMT Crystal Oscillator	5/1/2005	Yes	Sn
M6008	M6008-R	FR-4 SMT Crystal Oscillator	5/1/2005	Yes	Sn
M6027	No change	3.2x5.0x1.5mm SMT	1/1/2004	Yes	Ni/Au
M6028	No change	3.2x5.0x1.5mm SMT	1/1/2004	Yes	Ni/Au
M6029	No change	5x7x2 mm SMT	1/1/2004	Yes	Ni/Au
M6030	No change	5x7x2 mm SMT	1/1/2004	Yes	Ni/Au
M7R	M7R-R	9x14 SMT	12/1/2005	Yes	Ni/Au
M7S	M7S-R	9x14 SMT	12/1/2005	Yes	Ni/Au
M8001	No change	VCO Products	Contact factory		
M8R	M8R-R	9x14 SMT	12/1/2005	Yes	Ni/Au
M8S	M8S-R	9x14 SMT	12/1/2005	Yes	Ni/Au
M9001	No change	Timing Modules	Contact factory		
MA	MA-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
MAH	MAH-R	8 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
ME	ME-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
MEH	MEH-R	8 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
MH	MH-R	8 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
MHO+	MHO+-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
MHO3	MHO3-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
MHR	MHR-R	9x14 SMT	12/1/2005	10/1/2006	Ag
Microwave Filters	Add -R to part number	Microwave Filter	Contact factory		
MIL-PRF-3098 QPL	No change	Crystal	Not Available		Sn/Pb
MM	No change	5x7 SMT	1/1/2004	Yes	Ni/Au
MMCC-1	MMCC-1-R	Crystal	6/1/2005	Yes*	Sn/Cu
MMCC-2	MMCC-2-R	Crystal	6/1/2005	Yes*	Sn/Cu
MMCC-3	MMCC-3-R	Crystal	6/1/2005	Yes*	Sn/Cu
MP-1	MP-1-R	Crystal	1/1/2004	Yes*	Sn/Ag/Cu
MP-2	MP-2-R	Crystal	N/A		Sn/Ag/Cu
MPV3	MPV3-R	9x14 SMT	12/1/2005	Yes	Ni/Au
MPV3J	MPV3J-R	9x14 SMT	12/1/2005	Yes	Ni/Au
MPV5	MPV5-R	9x14 SMT	12/1/2005	Yes	Ni/Au
MPV5J	MPV5J-R	9x14 SMT	12/1/2005	Yes	Ni/Au
MV	MV-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
MV3	No change	5x7 SMT	1/1/2004	Yes	Ni/Au
MV5	No change	5x7 SMT	1/1/2004	Yes	Ni/Au
MVH	MVH-R	8 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
MVP	MVP-R	14 pin DIP	12/31/2005	Yes*	Sn/Ag/Cu
MVS	MVS-R	9x14 SMT	12/1/2005	Yes	Ni/Au
PJ	No change	Crystal	1/1/2004	Yes	Ni/Au
PM	No change	Crystal	1/1/2004	Yes	Ni/Au
PMX	No change	Crystal	1/1/2004	Yes	Ni/Au
PN	No change	Crystal	1/1/2004	Yes	Ni/Au
PP	No change	Crystal	1/1/2004	Yes	Ni/Au
PR	No change	Crystal	1/1/2004	Yes	Ni/Au
PTX	PTX-R	Crystal	1/1/2004	Yes	Sn/Cu
SX1555	SX1555-R	Crystal	6/1/2005	Yes	Sn/Cu
SX2050	SX2050-R	Crystal	6/1/2005	Yes	Sn
SX2060	SX2060-R	Crystal	6/1/2005	Yes	Sn/Cu
UM-1	UM-1-R	Crystal	1/1/2004	Yes*	Ni/Au
UM-1/G	UM-1/G-R	Crystal	1/1/2004	Yes	Ni/Au
UM-5	UM-5/G	Crystal	1/1/2004	Yes	Ni/Au
UM-5/G	UM-5/G-R	Crystal	1/1/2004	Yes	Ni/Au
UVC	No change	5x7 SMT	1/1/2004	Yes	Ni/Au
UVCJ	No change	5x7 SMT	1/1/2004	Yes	Ni/Au
UVV	No change	5x7 SMT	1/1/2004	Yes	Ni/Au

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UVVJ	No change	5x7 SMT	1/1/2004	Yes	Ni/Au
XO3080	XO3080-R	1.1x0.8 inch	6/1/2006	N/A	
XO3080	XO3080-V	1.1x0.8 inch	2/1/2006	N/A	
XO5026	XO5026-R	1.4x1 inch	2/1/2006	N/A	
XO5026	XO5026-V	1.4x1 inch	2/1/2006	N/A	
XO5080	XO5080-R	1x1 inch	2/1/2006	N/A	Contact factory
XO5080	XO5080-V	1x1 inch	2/1/2006	N/A	
XO5123	XO5123-R	1.4x1 inch	2/1/2006	N/A	
XO5123	XO5123-V	1.4x1 inch	2/1/2006	N/A	
XO5160	XO5160-R	14 pin DIP	2/1/2006	Yes*	Sn/Ag/Cu
XO5161	XO5161-R	14 pin DIP	2/1/2006	Yes*	Sn/Ag/Cu
XO5162	XO5162-2	14 pin DIP	2/1/2006	Yes*	Contact factory
XO5163	XO5163-R	14 pin DIP	2/1/2006	Yes*	Sn/Ag/Cu
XO5164	XO5164-R	14 pin DIP	2/1/2006	Yes*	Sn/Ag/Cu
XO5165	XO5165-R	14 pin DIP	2/1/2006	Yes*	Sn/Ag/Cu

For information on products that may not be listed above, please contact the factory at 605.665.9321, toll free 800.762.8800, or email RoHS@mtronpti.com.