

QUALIFIED PRODUCTS LIST  
OF  
PRODUCTS QUALIFIED UNDER PERFORMANCE SPECIFICATION  
MIL-PRF-55310  
OSCILLATOR, CRYSTAL CONTROLLED,  
GENERAL SPECIFICATION FOR

This list has been prepared for use by or for the Government in the acquisition of products covered by Specification MIL-PRF-55310. Listing of a product is not intended to and does not connote endorsement of the product by the Department of Defense. All products listed herein have been qualified under the requirements for the product as specified in the latest effective issue of the applicable specification. This list is subject to change without notice; revision or amendment of this list will be issued as necessary. The listing of a product does not release the supplier from compliance with the specification requirements.

THE ACTIVITY RESPONSIBLE FOR THIS QPL IS THE U.S. ARMY COMMUNICATIONS-ELECTRONICS COMMAND AND FORT MONMOUTH. The activity designated as agent for all contacts relative to this QPL is DLA Land and Maritime - VQ, Columbus, OH 43218-3990.

NOTE: \* PLUS (+) FREQUENCY TO BE ADDED TO ALL M3098 PART NUMBERS.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
<b>PART I</b>			
*M55310/8-B04A thru -09A (750KHz - 50MHz)	014N-07500 Thru -50000 XCSEXA		Precision Devices, Inc.
*M55310/8-B01A thru -10A (50Hz - 50MHz)	*M55310/8-B01A thru -10A (50Hz - 50MHz)	55310-1089-78	Q-Tech Corporation
*M55310/8-B03A thru -09A (375KHz - 50MHz)	*M55310/8-B03A thru -09A (375KHz - 50MHz)	55310-081-97	Vectron International
*M55310/8-B01A thru -10A (100Hz - 50MHz)	XM 8	55310-1601-85	Xsis Electronics, Inc.
*M55310/9-B01A thru -25A (.75MHz - 60MHz)	SPCL-07500 Thru -60000 XBBEXX	55310-1860-07	Precision Devices, Inc.
*M55310/9-B01A thru -25A (400KHz - 60MHz)	*M55310/9-B01A thru -25A (400KHz - 60MHz)	55310-005-99; 55310-1089-78; 55310-155-95; 55310-3707-13	Q-Tech Corporation
*M55310/9-B01A thru -21A (400KHz - 60MHz)	MC717A1-058, MC717A1-062	55310-48-95; 55310-49-95	Vectron International
*M55310/9-B01A thru -21A (400KHz - 60MHz)	XM 9B01A-B21A (400K0000-60M00000)	55310-2600-09	Xsis Electronics, Inc.
*M55310/10-B01A thru -37A (1KHz - 60MHz)	*M55310/10-B01A thru -37A (1KHz - 60MHz)	55310-006-99; 55310-1089-78; 55310-188-95	Q-Tech Corporation

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<b>PART I</b>			
*M55310/10-B01A thru -37A (1KHz - 30MHz)	*M55310/10-B01A thru -37A (1KHz - 30MHz)	55310-25-79	Vectron International
*M55310/11-B01A thru -06A (50KHz - 10MHz)	*M55310/11-B01A thru -06A (50KHz - 10MHz)	55310-1089-78	Q-Tech Corporation
*M55310/11-B01A thru -06A (50KHz - 10MHz)	XM 11	55310-1601-85	Xsis Electronics, Inc.
*M55310/12-B01A thru -06A (50KHz - 10MHz)	*M55310/12-B01A thru -06A (50KHz - 10MHz)	55310-1089-78	Q-Tech Corporation
*M55310/13-B01A thru -06A (300Hz - 10MHz)	*M55310/13-B01A thru -06A (300Hz - 10MHz)	55310-1089-78	Q-Tech Corporation
*M55310/14-B05A thru -09A (750KHz - 25MHz)	014N-07500 Thru -25000 XCSEXB	55310-1173-05	Precision Devices, Inc.
*M55310/14-B01A thru -09A (.1Hz - 25MHz)	*M55310/14-B01A thru -09A (.1Hz - 25MHz)	55310-1089-78	Q-Tech Corporation
*M55310/14-B04A thru -09A (375KHz - 25MHz)	*M55310/14-B04A thru -09A (375KHz - 25MHz)	55310-25-79	Vectron International
*M55310/14-B01A thru -09A (100Hz - 25MHz)	XM 14	55310-1601-85	Xsis Electronics, Inc.
*M55310/15-B01A thru -07A (.01Hz - 10MHz)	*M55310/15-B01A thru -07A (.01Hz - 10MHz)	55310-1078-78	Q-Tech Corporation
*M55310/15-B01A thru -07A (30Hz - 10MHz)	*M55310/15-B01A thru -07A (30Hz - 10MHz)	55310-1601-85	Xsis Electronics, Inc.
*M55310/16-B01A thru -44A (750KHz - 60MHz)	014N-07500 Thru -60000 XCSEXX	55310-1173-05	Precision Devices, Inc.
*M55310/16-B01A thru -44A (.1Hz - 80MHz)	*M55310/16-B01A thru -44A (.1Hz - 80MHz)	55310-1089-78; 55310-132-95	Q-Tech Corporation
*M55310/16-S21A thru -41A (375KHz - 80MHz)	*M55310/16-S21A thru -41A (375KHz - 80MHz)	55310-3135-11	Q-Tech Corporation
*M55310/16-B01A thru -44A (.1Hz - 80MHz)	*M55310/16-B01A thru -44A (.1Hz - 80MHz)	55310-25-79	Vectron International
*M55310/16-S21A thru -41A (375KHz - 80MHz)	*M55310/16-S21A thru -41A (375KHz - 80MHz)	55310-1441-05	Vectron International
*M55310/16-B01A thru -44A (100Hz - 80MHz)	XM 16	55310-1601-85	Xsis Electronics, Inc.

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*M55310/17-B11A thru -31A (12MHz - 50MHz)	014N-12000 Thru -50000 XBSEXA	55310-1173-05	Precision Devices, Inc.
*M55310/17-B01A thru -24A (250KHz - 50MHz)	*M55310/17-B01A thru -24A (250KHz - 50MHz)	55310-1228-83	Q-Tech Corporation
*M55310/17-B01A thru -24A (250KHz - 50MHz)	*M55310/17-B01A thru -24A (250KHz - 50MHz)	55310-25-79; 55310-308-81	Vectron International
*M55310/17-B01A thru -24A (250KHz - 50MHz)	XM 17-B11A	55310-1601-85	Xsis Electronics, Inc.
*M55310/18-B01A thru -42A (.1Hz - 15MHz)	014N-01000 Thru -15000 XCBEXX	55310-1173-05	Precision Devices, Inc.
*M55310/18-B01A thru -42A (.01Hz - 15MHz)	*M55310/18-B01A thru -42A (.01Hz - 15MHz)	55310-1229-83	Q-Tech Corporation
*M55310/18-B01A thru -42A (.1Hz - 15MHz)	*M55310/18-B01A thru -42A (.1Hz - 15MHz)	55310-183-83	Vectron International
*M55310/18-B01A thru -42A (5.25Hz - 15MHz)	XM 18-B01A	55310-1601-85	Xsis Electronics, Inc.
*M55310/19-B01A thru -23A (1MHz - 60MHz)	*M55310/19-B01A thru -23A (1MHz - 60MHz)	55310-384-89; 55310-67-95	Q-Tech Corporation
*M55310/19-B01A thru -22A (1MHz - 60MHz)	*M55310/19-B01A thru -22A (1MHz - 60MHz)	55310-69-95	Vectron International
*M55310/19-B01A thru -23A (1MHz - 60MHz)	XM 19-B01A	55310-889-87	Xsis Electronics, Inc.
*M55310/20-B01A thru -23A (40KHz - 60MHz)	*M55310/20-B01A thru -23A (40KHz - 60MHz)	55310-385-89	Q-Tech Corporation
*M55310/20-B01A thru -03A (1MHz - 14MHz)	*M55310/20-B01A thru -03A (1MHz - 14MHz)	55310-313-89	Vectron International
*M55310/20-B11A thru -13A (14MHz - 30MHz)	*M55310/20-B11A thru -13A (14MHz - 30MHz)	55310-313-89	Vectron International
*M55310/20-B21A thru -23A (30MHz - 60MHz)	*M55310/20-B21A thru -23A (30MHz - 60MHz)	55310-313-89	Vectron International
*M55310/21-B01A thru -23A (1MHz - 60MHz)	SPCL-01000 Thru -60000 XBSEXX	55310-3112-11	Precision Devices, Inc.

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<b>PART I</b>			
*M55310/21-B01A thru -41A (1MHz - 60MHz)	*M55310/21-B01A thru -41A (1MHz - 60MHz)	55310-013-00	Q-Tech Corporation
*M55310/21-B01A thru -23A (1MHz - 60MHz)	MC061A1-029	55310-86-95	Vectron International
*M55310/21-B01A thru -23A (1MHz - 60MHz)	MC061A1-030	55310-86-95	Vectron International
*M55310/21-B01A thru -23A (1MHz - 60MHz)	MC061A1-031	55310-86-95	Vectron International
*M55310/21-B01A thru -23A (1MHz - 60MHz)	MC061A1-032	55310-86-95	Vectron International
*M55310/25-B02A thru -15A (25MHz - 60MHz)	014N-25000 Thru -60000 XESEXX	55310-1173-05	Precision Devices, Inc.
<b>(NOTE: Configurations A and B)</b>			
*M55310/25-B02A thru -75A (25MHz - 175MHz)	*M55310/25-B02A thru -75A (25MHz - 175MHz)	55310-74-95	Q-Tech Corporation
<b>(NOTE: Configurations A and B)</b>			
*M55310/25-B06A thru -37A (40MHz - 125MHz)	MC770A1-006	55310-135-92	Vectron International
*M55310/25-B06A thru -37A (40MHz - 125MHz)	MC770A1-007	55310-135-92	Vectron International
*M55310/25-B06A thru -37A (40MHz - 125MHz)	MC771A1-060	55310-135-92	Vectron International
*M55310/25-B06A thru -37A (40MHz - 125MHz)	MC771A1-061	55310-135-92	Vectron International
*M55310/25-B06A thru -37A (40MHz - 125MHz)	MC771A1-062	55310-135-92	Vectron International
*M55310/25-B06A thru -37A (40MHz - 125MHz)	MC770A1-005	55310-135-92	Vectron International
*M55310/26-S06A thru -67A (375KHz - 65MHz)	M55310/26S + Frequency		
*M55310/26-B02A thru -62A (15KHz - 60MHz)	014N-00150 Thru -60000 XHSEXX	55310-1173-05	Precision Devices, Inc.
<b>(NOTE: Configurations A and B)</b>			
*M55310/26-B02A thru -67A (10KHz - 65MHz)	*M55310/26-B02A thru -67A (10KHz - 65MHz)	55310-12-92; 55310-133-95	Q-Tech Corporation
*M55310/26-S06A thru -67A (375KHz - 65MHz)	M55310/26-S06A Thru S67A	55310-3827-13	Q-Tech Corporation
<b>(NOTE: Configurations A and B)</b>			
*M55310/26-B02A thru -67A (10KHz - 65MHz)	MC748A1-044	55310-008-94; 55310-009-94; 55310-010-94	Vectron International
*M55310/26-B02A thru -67A (10KHz - 65MHz)	MC748A1-046	55310-008-94; 55310-009-94; 55310-010-94	Vectron International
*M55310/26-B02A thru -67A (10KHz - 65MHz)	MC748A1-043	55310-008-94; 55310-009-94; 55310-010-97	Vectron International
<b>(NOTE: Configurations A and B)</b>			

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<b>PART I</b>			
*M55310/26-B02A thru -66A (10KHz - 65MHz)	XM 26BXXX	55310-017-97	Xsis Electronics, Inc.
*M55310/27-B01A thru -31A (1MHz - 85MHz)	*M55310/27-B01A thru -31A (1MHz - 85MHz)	55310-164-98	Q-Tech Corporation
*M55310/27-B01A thru -34A (1MHz - 85MHz)	*M55310/27-B01A thru -34A (1MHz - 85MHz)	55310-164-98	Vectron International
*M55310/27-B01A thru -31A (1MHz - 85MHz)	XM 27-B01A-B31A (1M000000-85M00000)	55310-2861-10	Xsis Electronics, Inc.
*M55310/28-B01A thru -31A (1MHz - 85MHz)	*M55310/28-B01A thru -31A (1MHz - 85MHz)	55310-029-00	Q-Tech Corporation
*M55310/28-B01A thru -34A (1MHz - 85MHz)	*M55310/28-B01A thru -34A (1MHz - 85MHz)	55310-165-98	Vectron International
*M55310/29-B01A thru -41A (200KHz - 85MHz)	*M55310/29-B01A thru -41A (200KHz - 85MHz)	55310-030-00	Q-Tech Corporation
*M55310/30-B11A thru -14A (15MHz - 29MHz)	*M55310/30-B11A thru -14A (15MHz - 29MHz)	55310-1910-07	M-tron Industries, Inc.
*M55310/30-B01A thru -41A (450KHz - 100MHz)	52499-100-101 (450K000-100M0000)	55310-2449-09	NDK America, Inc.
*M55310/30-B01A thru -41A (1.54MHz - 100MHz)	SPCL-15400 Thru -100000 XCSEX	55310-1860-07	Precision Devices, Inc.
*M55310/30-B01A thru -34A (1MHz - 85MHz)	*M55310/30-B01A thru -34A (1MHz - 85MHz)	55310-1040-04	Q-Tech Corporation
*M55310/30-B01A thru -31A ( - )	C1300A1-0107 and C1300A1-0117 (450K0000-85M00000)	55310-2945-10	Vectron International
*M55310/30-B01A thru -31A (450KHz - 85MHz)	XM 30-B01A-B31A (450K0000-85M00000)	55310-2861-10	Xsis Electronics, Inc.
*M55310/33-B01A thru -44A (500KHz - 85MHz)	*M55310/33-B01A thru -44A (500KHz - 85MHz)	55310-2061-07	Q-Tech Corporation
*M55310/33-B01A thru -44A (500KHz - 85MHz)	*M55310/33-B01A thru -44A (500KHz - 85MHz)	55310-3591-12	Xsis Electronics, Inc.
*M55310/34-B01A thru -44A (500KHz - 70MHz)	*M55310/34-B01A thru -44A (500KHz - 70MHz)	55310-2061-07	Q-Tech Corporation
*M55310/34-B01A thru -44A (500KHz - 70MHz)	*M55310/34-B01A thru -44A (500KHz - 70MHz)	55310-3591-12	Xsis Electronics, Inc.

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<b>PART I</b>			
*M55310/35-B01A thru -44A (1MHz - 133MHz)	M55310/35 + Frequency	55310-3707-13	Q-Tech Corporation
*M55310/35-B01A thru -41A (1MHz - 100MHz)	XM 35	55310-4057-14	Xsis Electronics, Inc.
*M55310/36-B01A thru -44A (1MHz - 100MHz)	M55310/36 + Frequency	55310-3707-13	Q-Tech Corporation
*M55310/36-B01A thru -41A (1MHz - 100MHz)	XM 36	55310-4057-14	Xsis Electronics, Inc.
*M55310/37-B01A thru -44A (500KHz - 85MHz)	*M55310/37-B01A thru -44A (500KHz - 85MHz)	55310-2061-07	Q-Tech Corporation
*M55310/37-B01A thru -44A (500KHz - 85MHz)	*M55310/37-B01A thru -44A (500KHz - 85MHz)	55310-3591-12	Xsis Electronics, Inc.
*M55310/38-B01A thru -44A (500KHz - 70MHz)	*M55310/38-B01A thru -44A (500KHz - 70MHz)	55310-2061-07	Q-Tech Corporation
*M55310/38-B01A thru -44A (500KHz - 70MHz)	*M55310/38-B01A thru -44A (500KHz - 70MHz)	55310-3591-12	Xsis Electronics, Inc.
*M55310/39-B01A thru -44A (1MHz - 133MHz)	M55310/39 + Frequency	55310-3707-13	Q-Tech Corporation
*M55310/39-B01A thru -41A (1MHz - 100MHz)	XM 39	55310-4057-14	Xsis Electronics, Inc.
*M55310/40-B01A thru -44A (1MHz - 100MHz)	M55310/40 + Frequency	55310-3707-13	Q-Tech Corporation
*M55310/40-B01A thru -41A (1MHz - 100MHz)	XM 40	55310-4057-14	Xsis Electronics, Inc.

**PART II**

The following products listed herein are reciprocal listings based on the NATO Standardization agreement (STANAG) 4093 or International Standardization Agreements.

These devices are listed in the QPL of the concerned nation and, according to the qualifying authority of that nation, the devices meet the requirements for such listing. The products were completely manufactured, assembled, and tested in the concerned nation in accordance with the requirements of that nation. No review has been made by our qualifying activity of the manufacturing or test facilities or test report. Furthermore, no determination of equivalency has been conducted.

NOTE: No devices listed are to be JAN branded or marked with the failure rate level but should be marked with the appropriate national part numbers and identifiers, as applicable.

NATIONAL PART NUMBER	NATIONAL DEVICE SPECIFICATION NUMBER	NATIONAL QPL	TEST REPORT	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
BS 9625 F0017	SQ0 2100	Def Stan 59-59 Sect 11A, Page 2	8289-2, Dtd 4-12-89	C-MAC Quartz Crystals
BS 9625 F0017	SQ0 2200	Def Stan 59-59 Sect 11A, Page 2	8289-2, Dtd 4-12-89	C-MAC Quartz Crystals
BS 9625 F0017	SQ0 2300	Def Stan 59-59 Sect 11A, Page 2	8289-2, Dtd 4-12-89	C-MAC Quartz Crystals
BS 9625 F0017	SQ0 2500	Def Stan 59-59 Sect 11A, Page 2	8289-2, Dtd 4-12-89	C-MAC Quartz Crystals
BS 9625 F0017	SQ0 2600	Def Stan 59-59 Sect 11A, Page 2	8289-2, Dtd 4-12-89	C-MAC Quartz Crystals
BS 9625 F0017	SQ0 2700	Def Stan 59-59 Sect 11A, Page 2	8289-2, Dtd 4-12-89	C-MAC Quartz Crystals

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**Manufacturer and Supplier Location Information**

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**Manufacturer: C-MAC Quartz Crystals (CAGE Code: K3809)**

Location: (Class 2 tech mfr), 20-22 Edinburgh Way, Harlow, Essex CM20 2DE, United Kingdom

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: M-tron Industries, Inc. (CAGE Code: 23875)**

Location: (Class 2 tech mfr), 100 Douglas Avenue, Yankton, SD 57078, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: NDK America, Inc. (CAGE Code: 5W664)**

Location: (Class 2 tech mfr), 701 Crystal Parkway, Belvidere, IL 61008, US

Plants:

1. Micropac Industries, Inc., 905 East Walnut Street, Garland, TX 75040, US

**Manufacturer: Precision Devices, Inc. (CAGE Code: 0S4G1)**

Location: (Class 1 tech mfr w/ enhanced testing), P.O. Box 620155, 8840 N. Greenview Drive, Middleton, WI 53562-0155, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Q-Tech Corporation (CAGE Code: 51774)**

Location: (Class 2 tech mfr), 10150 W. Jefferson Boulevard, Culver City, CA 90232-3502, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Vectron International (CAGE Code: 00136)**

Location: (Class 2 tech mfr), P.O. Box B, 100 Watts Street, Mt. Holly Springs, PA 17065-1821, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Xsis Electronics, Inc. (CAGE Code: 57051)**

Location: (Class 2 tech mfr), 12620 West 63rd Street, Shawnee, KS 66216-1845, US

Plants:

1. Plant: Same Address as Manufacturer