



QUALIFICATIONS VALIDATED  
EVERY TWO YEARS

QPL-1-151  
05-Oct-04  
SUPERSEDING  
QPL-1-150  
26-May-04

QUALIFIED PRODUCTS LIST  
OF  
PRODUCTS QUALIFIED UNDER PERFORMANCE SPECIFICATION  
MIL-PRF-1  
ELECTRON TUBES  
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-1. 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.

1/ Company has issued an end of life buy notice for these devices; contact manufacturer for further information.

The activity responsible for this QPL is the Defense Supply Center Columbus (DSCC-VQ), Columbus, OH 43218-3990.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFICATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
<b>Part I</b>				
DOD-004	BTR-141	1-950-75	/1701	CPI Beverly Microwave Division
DOD-018		GE/DOD-018, 19 Jan 73	/1727 (Navy)	MPD, Inc.
DOD-031		Varian Test Rpt, Dec 73	/1753 (Navy)	CPI Beverly Microwave Division
DOD-032		Varian Test Rpt, Dec 73	/1754 (Navy)	CPI Beverly Microwave Division
DOD-033		Varian Test Rpt, Dec 73	/1755 (Navy)	CPI Beverly Microwave Division
DOD-041		1-764-79	/1771	MPD, Inc.
DOD-042		1-509-89	/1773	CPI Beverly Microwave Division
DOD-042		1-533-90	/1773	L-3 Communications Electron Devices
1B23		N-3546	/21	CPI Beverly Microwave Division
1B24A		1-950-75	/609	CPI Beverly Microwave Division
1B27		N-3432	/208	CPI Beverly Microwave Division
1B35A		1-1203-69	/22	CPI Beverly Microwave Division
1B37A		1-1203-69	/22	CPI Beverly Microwave Division
1B58A		1-651-77	/970	CPI Beverly Microwave Division
1B63A		1-685-74	/26	CPI Beverly Microwave Division
2AP1A		1-138-60	/588	Lexel Imaging Systems, Inc.
2BP1		1-115-60	/272	Lexel Imaging Systems, Inc.
2BP11		1-115-60	/272	Lexel Imaging Systems, Inc.
2C40A 1/		1-495-78	/868	MPD, Inc.
2C53 1/		1-944-74	/334	M. U. Inc.
2J50		1-481-93	/945	L-3 Communications Electron Devices
2J51A		1-482-93	/846	L-3 Communications Electron Devices
2J55		1-480-93	/297	L-3 Communications Electron Devices
3ACP1A		ASESA-21073	/311	Lexel Imaging Systems, Inc.
3ACP2A		ASESA-21073	/311	Lexel Imaging Systems, Inc.
3ACP7A		ASESA-21073	/311	Lexel Imaging Systems, Inc.
3ADP1		1-209-60	/974	Lexel Imaging Systems, Inc.
3ADP2		1-209-60	/974	Lexel Imaging Systems, Inc.
3ADP7		1-209-60	/974	Lexel Imaging Systems, Inc.
3ADP11		1-209-60	/974	Lexel Imaging Systems, Inc.
3BP1A		NYNSML 5032 A-A1-513	/594	Lexel Imaging Systems, Inc.
3D21WB 1/		1-376-77	/1336	M. U. Inc.
3DP1A		1-64-79	/385	Lexel Imaging Systems, Inc.
3DP1A+S2		1-64-79	/385	Lexel Imaging Systems, Inc.

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<b>Part I</b>				
3FP7A		1-867-62, 1-158-61 NYNSML-5032-B-15.97	/590	Thomas Electronics, Inc.
3JP11		1-21-59	/36	Lexel Imaging Systems, Inc.
3JP12		ASESA Rpt 1-8-58	/36	Lexel Imaging Systems, Inc.
3JP1		ASESA Rpt 1-8-58	/36	Lexel Imaging Systems, Inc.
3JP2		ASESA Rpt 1-5-58	/36	Lexel Imaging Systems, Inc.
3JP7		ASESA Rpt 1-8-58	/36	Lexel Imaging Systems, Inc.
3KP1		ASESA Rpt 1-1-58	/501	Lexel Imaging Systems, Inc.
3RP1		NYNSML 5032-A-A1.05	/390	Lexel Imaging Systems, Inc.
3RP1A		ASESA-20001A	/390	Lexel Imaging Systems, Inc.
3WP1		N3989	/267	Lexel Imaging Systems, Inc.
3WP1		1-867-62	/267	Thomas Electronics, Inc.
3WP2		1-536-65	/267	Lexel Imaging Systems, Inc.
4DP7		1-1392-77	/1006	Lexel Imaging Systems, Inc.
4J57		1-483-93	/40	L-3 Communications Electron Devices
4J58		1-484-93	/40	L-3 Communications Electron Devices
4MP1		Rpt 62ABDF1	/1296	Lexel Imaging Systems, Inc.
4MP1		Rpt Nr 9, 10/8/62	/1296	Thomas Electronics, Inc.
4QP2		Rpt 62ABDF4, 22 May 62	/1386 (Navy)	Lexel Imaging Systems, Inc.
5ADP1		1-139-60	/689	Lexel Imaging Systems, Inc.
5ADP1		1-158-61	/689	Thomas Electronics, Inc.
5ADP2		1-140-60	/689	Lexel Imaging Systems, Inc.
5ADP2		1-158-61	/689	Thomas Electronics, Inc.
5ADP7		1-141-60	/689	Lexel Imaging Systems, Inc.
5ADP7		1-158-61	/689	Thomas Electronics, Inc.
5ADP14		1-140-60	/689	Lexel Imaging Systems, Inc.
5ADP14		1-158-61	/689	Thomas Electronics, Inc.
5AFP1		ASESA-21199	/1048	Lexel Imaging Systems, Inc.
5AFP7		ASESA-21199	/1048	Lexel Imaging Systems, Inc.
5AMP1A		BD-2, 25 Oct 60	/1339 (Navy)	Lexel Imaging Systems, Inc.
5AMP1A		1-018-00	/1339 (Navy)	Thomas Electronics, Inc.
5AMP2A		BD-2, 25 Oct 60	/1339 (Navy)	Lexel Imaging Systems, Inc.
5AMP7A		Nr ABD-2, 25 Oct 60	/1339 (Navy)	Lexel Imaging Systems, Inc.
5AMP11A		Nr ABD-2, 25 Oct 60	/1339 (Navy)	Lexel Imaging Systems, Inc.
5AWP2		ASESA-21091A	/810	Lexel Imaging Systems, Inc.
5BCP7		1-82-78, 1-3-61	/1065	Lexel Imaging Systems, Inc.
5BCP7		1-8-62	/1065	Thomas Electronics, Inc.
5BP1A		NYNSML 5032-A-A1.525	/592	Lexel Imaging Systems, Inc.
5CP1A		NYNSML 5032-A-A1.140	/273	Lexel Imaging Systems, Inc.
5CP1B		5922 (USASESA)	/273	Lexel Imaging Systems, Inc.
5CP7A		NYNSML 5032-A-A1.456	/273	Lexel Imaging Systems, Inc.
5CP11A		NYNSML 5032-A-A1.457	/273	Lexel Imaging Systems, Inc.
5CP11B		1-4-61	/273	Lexel Imaging Systems, Inc.
5CP12		1-5-61	/273	Lexel Imaging Systems, Inc.
5FP7A		N-3764, 1-1199-70	/1392	Lexel Imaging Systems, Inc.
5FP7A		1-390-63	/1392	Thomas Electronics, Inc.
5FP14A		1-277-59	/1392	Lexel Imaging Systems, Inc.
5FP25		1-523-63	/1392	Lexel Imaging Systems, Inc.
5HP1A		N-3735	/592	Lexel Imaging Systems, Inc.
5LP1A		A-1765	/275	Lexel Imaging Systems, Inc.
5LP5A		1-130-61	/275	Lexel Imaging Systems, Inc.
5LP7A		A-1513	/275	Lexel Imaging Systems, Inc.
5LP11A		A-1695	/275	Lexel Imaging Systems, Inc.
5SP1A		1-818-93	/480	Lexel Imaging Systems, Inc.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI- CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
<b>Part I</b>				
5SP7A		NYNSML 5032-1.70	/480	Lexel Imaging Systems, Inc.
5SP11A		NYNSML 5032-1.70	/480	Lexel Imaging Systems, Inc.
7ABP7A		1-CDU-60	/866	Lexel Imaging Systems, Inc.
7ABP7A		1-287-61	/866	Thomas Electronics, Inc.
7AGP19		1-817-93	/1178 (Navy)	Lexel Imaging Systems, Inc.
7AKP25		6046-A-1-6.17, 26 Feb 63	/1219 (Navy)	Lexel Imaging Systems, Inc.
7AQP7		62 ABDF-9	/1373 (Navy)	Lexel Imaging Systems, Inc.
7BP7A		2CDU-60	/66	Lexel Imaging Systems, Inc.
7YP1		1-422-73	/422	Lexel Imaging Systems, Inc.
7YP1		1-370-95	/422	Thomas Electronics, Inc.
7YP2		1-422-73	/422	Lexel Imaging Systems, Inc.
7YP2		1-370-95	/422	Thomas Electronics, Inc.
7YP7		1-422-73	/422	Lexel Imaging Systems, Inc.
7YP7		1-370-95	/422	Thomas Electronics, Inc.
10AKP7		NY 6046-A-1.6-16	/1297 (Navy)	Lexel Imaging Systems, Inc.
10ANP7		63FD2, 27 Nov 63	/1389 (Navy)	Lexel Imaging Systems, Inc.
10ANP7		770-066, 8 Jul 71	/1389 (Navy)	Thomas Electronics, Inc.
10KP7A		1-987-66	/1162	Lexel Imaging Systems, Inc.
10KP7A		1-191-62	/1162	Thomas Electronics, Inc.
10WP7A		1-988-66	/1005	Lexel Imaging Systems, Inc.
10WP7A		1-22-62	/1005	Thomas Electronics, Inc.
12ABP1A		ML Rpt 5032-B-15.84	/1261	Lexel Imaging Systems, Inc.
12ABP1A	12ABP1M	1-349-83	/1261	Thomas Electronics, Inc.
12ABP7A		ML Rpt 5032-B-15.84	/1261	Lexel Imaging Systems, Inc.
12ABP7A		1-32-62	/1261	Thomas Electronics, Inc.
12ABP19A		1-349-83	/1261	Thomas Electronics, Inc.
12AMP19		62ABDF6, 18 Feb 63	/1399 (Navy)	Lexel Imaging Systems, Inc.
12ARP19		63FD3, 2 Dec 63	/1423 (Navy)	Lexel Imaging Systems, Inc.
12ATP28		70FD3, 28 Aug 70	/1400 (Navy)	Lexel Imaging Systems, Inc.
12DP7C		WCLK-TM-60-19, 19 Jan 60	/1222	Lexel Imaging Systems, Inc.
12SN7GT 1/		1-247-59	/63	MPD, Inc.
12SP7D		NYNSML 5032-A-A1.775	/1056	Lexel Imaging Systems, Inc.
12SP7D		1-22-74	/1056	Thomas Electronics, Inc.
22CP7A		62ABDF3, 24 Apr 62 64FD1, 10 Jan 64	/1072 (Navy)	Lexel Imaging Systems, Inc.
22CP25A		1-816-93	/1072 (Navy)	Lexel Imaging Systems, Inc.
719A 1/		1-332-67	/911	M. U. Inc.
5586		1-203-96	/770	CPI Beverly Microwave Division
5586	L-4916A	1-057-00	/770	L-3 Communications Electron Devices
5657		1-250-96	/770	CPI Beverly Microwave Division
5657	L-4957	1-057-00	/770	L-3 Communications Electron Devices
5780		1-334-63	/851	L-3 Communications Electron Devices
5864		1-1203-69	/22	CPI Beverly Microwave Division
5865		ASESA-21189	/368	CPI Beverly Microwave Division
5921		ASESA-21226	/607	CPI Beverly Microwave Division
5922		ASESA-21226	/607	CPI Beverly Microwave Division
5927		A4087	/299	CPI Beverly Microwave Division
5948B		1-249-95	/1099	L-3 Communications Electron Devices
5949A-1	L-4871	1-249-95	/1100	L-3 Communications Electron Devices
5949A		EEV Test Rpt 9/71-3	/1100	Marconi Applied Technology, Ltd.
5979		1-447-84	/906	Canberra Dover, Inc.
5979		1-314-68	/906	LND, Inc.

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5980		1-448-84	/973	Canberra Dover, Inc.
5980		1-902-68	/973	LND, Inc.
6002		1-485-93	/373	L-3 Communications Electron Devices
6024		1-1255-77	/796	CPI Beverly Microwave Division
6040		ASESA-20135A	/296	CPI Beverly Microwave Division
6041		ASESA-20135A	/296	CPI Beverly Microwave Division
6081		ASESA-20908	/384	CPI Beverly Microwave Division
6162		1-1203-69	/22	CPI Beverly Microwave Division
6299 1/		1-1047-66	/484	MPD, Inc.
6303 1/		1-4-85	/1174	M. U. Inc.
6344A		563-71-1	/383 (Navy)	L-3 Communications Electron Devices
6378		1-219-60	/964	CPI Beverly Microwave Division
6410A		1-057-95	/665	L-3 Communications Electron Devices
6442 1/		1-26-62	/1055	MPD, Inc.
6543		1-178-61	/849	L-3 Communications Electron Devices
6884		1-1001-74	/1239	Burle Industries, Inc.
6897 1/		1-856-73	/1037	MPD, Inc.
7077 1/		1-1065-76	/1203	MPD, Inc.
7156A		NAD, Crane Ltr QECW1-RLC, 13 Oct 69; CFD-11-69-1, 1 Dec 69	/1570 (Navy)	L-3 Communications Electron Devices
7203	7203/4CX250B	1-101-81	/889	CPI Eimac Division
7203A	4CX250BM	1-101-81	/889	CPI Eimac Division
7211		1-228-97	/1633	CPI Eimac Division
7211		1-891-75	/1633	MPD, Inc.
7256		1-486-93	/1618	L-3 Communications Electron Devices
7289		1-416-71	/1120	CPI Eimac Division
7289		1-294-60	/1120	MPD, Inc.
7301		1-902-68	/1698 (Navy)	LND, Inc.
7315		64FD5, 21 Dec 64	/1274 (Navy)	Lexel Imaging Systems, Inc.
7322		1-192-62	/1371	PerkinElmer Optoelectronics
7381		WCLK-TM-60-13, 11 Jan 60	/1254	CPI Beverly Microwave Division
7390		1-083A-94	/1361	L-3 Communications Electron Devices
7403 1/		MMGES Ltr 7 May 76	/1396 (USAF)	M. U. Inc.
7448		64FD5, 21 Dec 64	/1274 (Navy)	Lexel Imaging Systems, Inc.
7460		1-487-93	/1600 (Navy)	L-3 Communications Electron Devices
7462 1/		Rpt 27 Feb 61	/1335	MPD, Inc.
7486 1/		1-1066-76	/1330	MPD, Inc.
7554 1/		1-1101-76	/1325	MPD, Inc.
7580W		691A1C1-507, 25 Jun 61	/1385	CPI Eimac Division
7609		1-491-78	/1331	CPI Eimac Division
7616		1-449-84	/986	Canberra Dover, Inc.
7616		1-746-70	/986	LND, Inc.
7621		1-081C-94	/1428	L-3 Communications Electron Devices
7621		B2579, 7 May 63	/1428	PerkinElmer Optoelectronics
7651		Rpt 133, Mar 68; Rpt 160, May 75	/1553	Burle Industries, Inc.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI- CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
<b>Part I</b>				
7665		1-081B-94	/1485	L-3 Communications Electron Devices
7665A		1-081B-94	/1485	L-3 Communications Electron Devices
7665A		B-3157, 29 Sep 65	/1485	PerkinElmer Optoelectronics
7698		1-230-97	/1470 (Navy)	CPI Eimac Division
7698 1/		Rpt 9 May 75	/1470 (Navy)	MPD, Inc.
7782		1-081D-94	/1636 (Navy)	L-3 Communications Electron Devices
7782		B-3157, 29 Sep 65	/1636 (Navy)	PerkinElmer Optoelectronics
7815		1-231-97	/1429 (Navy)	CPI Eimac Division
7815		Rpt 26 Mar 64	/1429 (Navy)	MPD, Inc.
7840		190-05143A, 30 Jul 68	/1388 (Navy)	LND, Inc.
7843		157	/1457	Burle Industries, Inc.
8161		1-64-61	/1619	CPI Eimac Division
8167		1-1102-76	/1313	CPI Eimac Division
8168		1-48-78	/1569	CPI Eimac Division
8169	4CX3000A	1-394-73	/1725	CPI Eimac Division
8170W		1-610-75	/1427	CPI Eimac Division
8171	4CX10,000D	1-554-75	/1716	CPI Eimac Division
8251		1-671-66	/1619	CPI Eimac Division
8252W	4PR60C	1-265-74	/1679	CPI Eimac Division
8281		Rpt 24 Nov 76	/1767 (EC)	CPI Eimac Division
8321		1-125-94	/1634	CPI Eimac Division
8321A		1-125-94	/1634	CPI Eimac Division
8322		1-125-94	/1634	CPI Eimac Division
8354		EG and G Test Rpt	/1426 (Navy)	PerkinElmer Optoelectronics
8403	EIMAC 8403	1-367-71	/1660	CPI Eimac Division
8533W		1707T	/1726	MPD, Inc.
8538B		1-239-97	/1729	CPI Eimac Division
8561		SEPSE-TM-66-16, 13 Jul 66	/1541 (USAF)	CPI Eimac Division
8590		1-975-70	/1670 (USAF)	CPI Eimac Division
8613		1-081-94	/1590	L-3 Communications Electron Devices
8613		B-2972, 25 Feb 65	/1590	PerkinElmer Optoelectronics
8621		1-940-76	/1580	CPI Eimac Division
8660		CBXT-A (4)-69-1, 5 Feb 69	/1648 (Navy)	CPI Eimac Division
8682		Nr Q-280-35, Jan 67	/1624 (Navy)	CPI Beverly Microwave Division
8745 1/		Rpts 24 Mar 64, 24 Jun 71	/1702 (Navy)	MPD, Inc.
8765		1-081A-94	/1661	L-3 Communications Electron Devices
8765		1-589-72	/1661	PerkinElmer Optoelectronics
8767		1-056-94	/1647	Canberra Dover, Inc.
8767		306-05143A3, 21 Aug 68	/1647 (Navy)	LND, Inc.
8789		1-083-94	/1658 (USAF)	L-3 Communications Electron Devices
8798	L-4965	1-057-00	/1688	L-3 Communications Electron Devices
8855		USNAS Proj. 9200-209 Tech Memo Nr 1	/1640	CPI Beverly Microwave Division
8855		563-702, 22 Apr 70	/1640	L-3 Communications Electron Devices
8906 1/		GE/8906, 6 Jun 73	/1717	MPD, Inc.
8930		1-59-77	/1385	CPI Eimac Division
8939		1-877-74	/1738	CPI Beverly Microwave Division

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8939	L-4593	1-705-78	/1738	L-3 Communications Electron Devices
8943	SFD-342	1-513-83	/1734	CPI Beverly Microwave Division
8943		1-212-81	/1734	L-3 Communications Electron Devices
8951		EG and G Test Rpts 8 Mar 62 & 20 Mar 73	/1735 (Navy)	PerkinElmer Optoelectronics
8965		1-237-97	/1757 (Navy)	CPI Eimac Division
8982		In-Plant Rpt, 7 Jun 76	/1769 (Navy)	CPI Beverly Microwave Division

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## Manufacturer and Supplier Location Information

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**Manufacturer: Burle Industries, Inc. (CAGE Code: 0BMR4)**

Location: 1000 New Holland Pike, Lancaster, PA 17601-2672, US

Plant Location: Same Address as Manufacturer

**Manufacturer: Canberra Dover, Inc. (CAGE Code: 06442)**

Location: 58 Richboynton Road, Dover, NJ 07801-2650, US

Plant Location: Same Address as Manufacturer

**Manufacturer: CPI (Communications & Power Industries) (CAGE Code: 99313)**

Location: 811 Hansen Way, Palo Alto, CA 94304-1031, US

Plant Locations:

1. CPI Beverly Microwave Division, CAGE Code: 88236, 150 Sohier Road, Beverly, MA 01915-5595, US
2. CPI Eimac Division, CAGE Code: 06980, 301 Industrial Way, San Carlos, CA 94070-2063, US

**Manufacturer: L-3 Communications Electron Devices (CAGE Code: 89146)**

Location: 1035 Westminister Drive, Williamsport, PA 17701-3947, US

Plant Location: Same Address as Manufacturer

**Manufacturer: Loxel Imaging Systems, Inc. (CAGE Code: 0HBH2)**

Location: 1501 Newtown Pike, Lexington, KY 40511-1257, US

Plant Location: Same Address as Manufacturer

**Manufacturer: LND, Inc. (CAGE Code: 26237)**

Location: 3230 Lawson Boulevard, Oceanside, L.I., NY 11572-3796, US

Plant Location: Same Address as Manufacturer

**Manufacturer: M. U. Inc. (CAGE Code: 24289)**

Location: P.O. Box 1007, 2941 San Luis Rey Road, Oceanside, CA 92051, US

Plant Location: Same Address as Manufacturer

**Manufacturer: Marconi Applied Technology, Ltd. (CAGE Code: 6P860)**

Location: Waterhouse Lane, Chelmsford, Essex, England

Plant Location: Same Address as Manufacturer

Distributor Location: EEV, Inc., 4 Wechester Plaza, Elmsford, NY 10523, US

**Manufacturer: MPD, Inc. (CAGE Code: 33173)**

Location: 316 East Ninth Street, Owensboro, KY 42303-1008, US

Plant Location: Same Address as Manufacturer

**Manufacturer: New Japan Radio Co. (CAGE Code: S4497)**

Location: No. 23-1500 Fukuoka, Kamufukuoka-Shi, Kawagoe, Saitama-Prefecture, Japan

Plant Location: Same Address as Manufacturer

Distributor Location: Litton Systems, Inc., Electron Devices Division, 1035 Westminister Drive, Williamsport, PA 17701-3947, US

**Manufacturer: PerkinElmer Optoelectronics (CAGE Code: 25506)**

Location: Electro-Optics Division, 35 Congress Street, Salem, MA 01970-7304, US

Plant Location: Same Address as Manufacturer

**Manufacturer: Thomas Electronics, Inc. (CAGE Code: 01852)**

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**Manufacturer and Supplier Location Information**

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Location: 100 Riverview Road, Wayne, NJ 07470, US

Plant Location: Same Address as Manufacturer