

**Specification Details:**

Specification: MIL-PRF-21038  
 Title: Transformers, Pulse, Low Power  
 Federal Supply Class (FSC): 5950  
 Conventional: Yes  
 Specification contains quality assurance program: No  
 MIL-STD-790 Established Reliability & High Reliability: No  
 MIL-STD-690 Failure Rate Sampling Plans & Procedures: No  
 Weibull Graded: No  
 Specification contains space level reliability requirements: No  
 Specification allows test optimization: No

**Contact Information:**

DSCC Office of Primary Involvement: Passive Devices Team, DSCC-VQP  
 Primary DSCC-VQ Contact: 614-692-0609, e-mail: vqp.do@dla.mil  
 Secondary DSCC-VQ Contact: 614-692-0597, e-mail: vqp.jz@dla.mil

**Notes:**

PIN: This specification makes provision for three product levels: level C, for high reliability commercial/industrial type applications; level M, for general purpose military applications; and level T, for high reliability critical military applications. These product levels are coded into the part or identifying number (PIN).

**Part Configuration:**

M21038/27-01C - denotes the C level part with a C code on the end of the PIN.

M21038/27-01 - denotes the M level part.

M21038/27-01T - denotes the T level part with a T code on the end of the PIN.

**Part Listings:**

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
<b>Product Levels C, M, T</b>			
M21038/27-01 thru 09	B-2202 thru 2210	21038-181-89, 21038-654-87	Beta Transformer Technology Corp.
M21038/27-10 thru 15	B-2385 thru 2390	21038-181-89, 21038-654-87	Beta Transformer Technology Corp.
M21038/27-16 thru 19	B-2342 thru 2345	21038-181-89, 21038-654-87	Beta Transformer Technology Corp.
M21038/27-20	B-2391	21038-181-89, 21038-654-87	Beta Transformer Technology Corp.
M21038/27-21 thru 31	B-3221 thru 3231	21038-181-89, 21038-654-87	Beta Transformer Technology Corp.
<b>Product Levels C, M, T</b>			
M21038/27-01 thru 09	B-2202 thru 2210	21038-173-96, 21038-174-96	Beta/US/Mex
M21038/27-10 thru 15	B-2385 thru 2390	21038-173-96, 21038-174-96	Beta/US/Mex
M21038/27-16 thru 19	B-2342 thru 2345	21038-173-96, 21038-174-96	Beta/US/Mex
M21038/27-20	B-2391	21038-173-96, 21038-174-96	Beta/US/Mex
M21038/27-21 thru 31	B-3221 thru 3231	21038-173-96, 21038-174-96	Beta/US/Mex
M21038/27-01 thru 09	4260-1647-21 thru 29	21038-164-95, 21038-350-92, 21038-351-92	Datatronics, Inc.
M21038/27-11 thru 20	4260-1647-41 thru 50	21038-164-95, 21038-350-92, 21038-351-92	Datatronics, Inc.
M21038/27-21 thru 31	4260-1647-52 thru 62	21038-164-95, 21038-350-92, 21038-351-92	Datatronics, Inc.
M21038/27-01	4259-1647-21 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-01	4260-1647-21 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-01	4261-1647-21 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-02	4259-1647-22 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-02	4260-1647-22 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-02	4261-1647-22 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-03	4261-1647-23 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-03	4260-1647-23 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-03	4259-1647-23 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-04	4259-1647-24 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
M21038/27-04	4260-1647-24 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-04	4261-1647-24 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-05	4261-1647-25 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-05	4260-1647-25 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-05	4259-1647-25 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-06	4259-1647-26 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-06	4260-1647-26 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-06	4261-1647-26 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-07	4259-1647-27 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-07	4260-1647-27 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-07	4261-1647-27 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-08	4259-1647-28 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-08	4260-1647-28 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-08	4261-1647-28 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-09	4259-1647-29 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-09	4260-1647-29 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-09	4261-1647-29 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-10	4259-1647-40 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-10	4260-1647-40 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-10	4261-1647-40 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-11	4259-1647-41 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-11	4260-1647-41 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-11	4261-1647-41 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-12	4259-1647-42 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-12	4260-1647-42 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-12	4261-1647-42 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-13	4259-1647-43 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-13	4260-1647-43 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-13	4261-1647-43 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-14	4259-1647-44 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-14	4260-1647-44 HK	21038-1153-05, 21038-1154-0521038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-14	4261-1647-44 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-15	4261-1647-45 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-15	4260-1647-45 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-15	4259-1647-45 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-16	4259-1647-46 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-16	4260-1647-46 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-16	4261-1647-46 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-17	4259-1647-47 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-17	4260-1647-47 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-17	4261-1647-47 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-18	4259-1647-48 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-18	4260-1647-48 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-18	4261-1647-48 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-19	4259-1647-49 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-19	4260-1647-49 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-19	4261-1647-49 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-20	4260-1647-50 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.

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M21038/27-20	4261-1647-50 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-20	4259-1647-50 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-21	4259-1647-52 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-21	4260-1647-52 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-21	4261-1647-52 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-22	4259-1647-53 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-22	4260-1647-53 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-22	4261-1647-53 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-23	4259-1647-54 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-23	4260-1647-54 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-23	4261-1647-54 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-24	4259-1647-55 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-24	4260-1647-55 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-24	4261-1647-55 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-25	4261-1647-56 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-25	4259-1647-56 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-25	4260-1647-56 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-26	4260-1647-57 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-26	4261-1647-57 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-26	4259-1647-57 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-27	4261-1647-58 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-27	4259-1647-58 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-27	4260-1647-58 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-28	4259-1647-59 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-28	4260-1647-59 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-28	4261-1647-59 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-29	4259-1647-60 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-29	4260-1647-60 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-29	4261-1647-60 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-30	4261-1647-61 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-30	4259-1647-61 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-30	4260-1647-61 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
<b>Product Levels C, M, T</b>			
M21038/27-01 thru 04	HY1553-0101 thru 04	21038-774-04, 21038-775-04, 21038-776-04	Hitronics de Costa Rica S.A. Hytronics Corp. Raycom Electronics, Inc.
M21038/27-05 thru 09	HY1553-2020 thru 24	21038-774-04, 21038-775-04, 21038-776-04	Hitronics de Costa Rica S.A. Hytronics Corp. Raycom Electronics, Inc.
M21038/27-10	HY1553-5	21038-774-04, 21038-775-04, 21038-776-04	Hitronics de Costa Rica S.A. Hytronics Corp. Raycom Electronics, Inc.
M21038/27-11 thru 15	HYSM1553-0606 thru 10	21038-774-04, 21038-775-04, 21038-776-04	Hitronics de Costa Rica S.A. Hytronics Corp. Raycom Electronics, Inc.
M21038/27-16 thru 20	HYFP1553-0606 thru 10	21038-774-04, 21038-775-04, 21038-776-04	Hitronics de Costa Rica S.A. Hytronics Corp. Raycom Electronics, Inc.
M21038/27-21 thru 25	HY1553-0681 thru 85	21038-774-04, 21038-775-04, 21038-776-04	Hitronics de Costa Rica S.A. Hytronics Corp. Raycom Electronics, Inc.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
<b>Product Levels C, M, T</b>			
M21038/27-26	HY1553-45	21038-774-04, 21038-775-04, 21038-776-04	Hitronics de Costa Rica S.A. Hytronics Corp. Raycom Electronics, Inc.
M21038/27-27	HYSM1553-45	21038-774-04, 21038-775-04, 21038-776-04	Hitronics de Costa Rica S.A. Hytronics Corp. Raycom Electronics, Inc.
M21038/27-28	HY1553-25	21038-774-04, 21038-775-04, 21038-776-04	Hitronics de Costa Rica S.A. Hytronics Corp. Raycom Electronics, Inc.
M21038/27-29	HY1553-51	21038-774-04, 21038-775-04, 21038-776-04	Hitronics de Costa Rica S.A. Hytronics Corp. Raycom Electronics, Inc.
M21038/27-30	HY1553-52	21038-774-04, 21038-775-04, 21038-776-04	Hitronics de Costa Rica S.A. Hytronics Corp. Raycom Electronics, Inc.
M21038/27-31	HYFP1553-45	21038-774-04, 21038-775-04, 21038-776-04	Hitronics de Costa Rica S.A. Hytronics Corp. Raycom Electronics, Inc.
<b>Product Levels C, M, T</b>			
M21038/27-01	PICO 68201	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-02	PICO 68206	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-03	PICO 68211	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-04	PICO 68216	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-05	PICO 68221	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-06	PICO 68226	21038-025-95, 21038-182-02, 21038-556-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-07	PICO 68231	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-08	PICO 68236	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-09	PICO 68241	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-10	PICO 68246	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-11	PICO 68251	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-12	PICO 68256	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-13	PICO 68261	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-14	PICO 68266	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-15	PICO 68271	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-16	PICO 68276	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-17	PICO 68281	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-18	PICO 68286	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-19	PICO 68291	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-20	PICO 68296	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
<b>Product Levels C, M, T</b>			
M21038/27-21	PICO 68306	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-22	PICO 68311	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-23	PICO 68316	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-24	PICO 68321	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-25	PICO 68326	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-26	PICO 68331	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-27	PICO 68336	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-28	PICO 68341	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-29	PICO 68346	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-30	PICO 68351	21038-025-95, 21038-182-02, 21038-566-91, 21038-567-91	Pico Electronics, Inc.
M21038/27-31	PICO 68356	21038-025-95, 21038-182-02, 21038-566-95, 21038-567-91	Pico Electronics, Inc.
<b>Product Levels C, M, T</b>			
M21038/27-01 thru 04	Q1553-01 thru 04	21038-025-95, 21038-149-98, 21038-150-98, 21038-296-89, 21038-85-86	Technitrol, Inc. (Greensboro, MD)
M21038/27-05 thru 09	Q1553-20 thru 24	21038-025-95, 21038-149-98, 21038-150-98, 21038-296-89, 21038-85-86	Technitrol, Inc. (Greensboro, MD)
M21038/27-10	Q1553-5	21038-025-95, 21038-149-98, 21038-150-98, 21038-296-89, 21038-85-86	Technitrol, Inc. (Greensboro, MD)
M21038/27-11 thru 15	SMQ1553-06 thru 10	21038-025-95, 21038-149-98, 21038-150-98, 21038-296-89, 21038-85-86	Technitrol, Inc. (Greensboro, MD)
M21038/27-16 thru 20	FPQ1553-06 thru 10	21038-025-95, 21038-149-98, 21038-150-98, 21038-296-89, 21038-85-86	Technitrol, Inc. (Greensboro, MD)
M21038/27-21 thru 25	Q1553-81 thru 85	21038-025-95, 21038-149-98, 21038-150-98, 21038-296-89, 21038-85-86	Technitrol, Inc. (Greensboro, MD)
M21038/27-26	Q1553-45	21038-025-95, 21038-149-98, 21038-150-98, 21038-296-89, 21038-85-86	Technitrol, Inc. (Greensboro, MD)
M21038/27-27	SMQ1553-45	21038-025-95, 21038-149-98, 21038-150-98, 21038-296-89, 21038-85-86	Technitrol, Inc. (Greensboro, MD)
M21038/27-28	Q1553-25	21038-025-95, 21038-149-98, 21038-150-98, 21038-296-89, 21038-85-86	Technitrol, Inc. (Greensboro, MD)
M21038/27-29	Q1553-51	21038-025-95, 21038-149-98, 21038-150-98, 21038-296-89, 21038-85-86	Technitrol, Inc. (Greensboro, MD)
M21038/27-30	Q1553-52	21038-025-95, 21038-149-98, 21038-150-98, 21038-296-89, 21038-85-86	Technitrol, Inc. (Greensboro, MD)
M21038/27-31	FPQ1553-45	21038-025-95, 21038-149-98, 21038-150-98, 21038-296-89, 21038-85-86	Technitrol, Inc. (Greensboro, MD)
<b>Product Levels C, M, T</b>			
M21038/27-01	49206	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-02	49207	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-03	100658	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-04	100659	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
<b>Product Levels C, M, T</b>			
M21038/27-05	100660	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-06	49208	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-07	49209	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-08	49210	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-09	49211	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-10	49212	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-11	100661	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-12	49213	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-13	49214	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-14	100662	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-15	100663	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-16	49215	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-17	100664	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-18	100665	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-19	100666	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-20	100667	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-21	100668	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-22	100669	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-23	100670	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-24	100671	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-25	100672	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-26	49216	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-27	49217	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-28	100673	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-29	100674	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-30	100675	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.
M21038/27-31	100676	21038-1123-05	Vanguard Electronics Company, Inc. Electronica Vanguard S.A. de C.V.

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## Manufacturer and Supplier Location Information

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**Manufacturer: Beta Transformer Technology Corp. (CAGE Code: 64948)**

Location: 40 Orville Drive, Bohemia, NY 11716, US

Plant Locations:

1. Same Address as Manufacturer
2. Beta/US/Mex, Avenida 20 de Noviembre, #1959 Entre 9y10, Zona Centro, Ensenada BCU, Mexico 22800

**Manufacturer: Datatronics, Inc. (CAGE Code: 0F5M2)**

Location: 28151 Highway 74, Romoland, CA 92585-8916, US

Plant Locations:

1. Same Address as Manufacturer
2. Datatronics, Ltd., 499 King's Road, North Point, Hong Kong

**Manufacturer: Hytronics Corp. (CAGE Code: 29525)**

Location: 12449 Enterprise Boulevard, Largo, FL 33773-2710, US

Plant Locations:

1. Same Address as Manufacturer
2. Hitronicos de Costa Rica S.A., Zona Franca Bes Edificio #16, 4km Sobre La Pista Del, Aeropuerto Juan Santamaria, Alajuela, Costa Rica
3. Raycom Electronics, Inc., CAGE Code: 57812, 1 Raycom Road, Dover, PA 17315-0250, US

**Manufacturer: Pico Electronics, Inc. (CAGE Code: 31669)**

Location: 143 Sparks Avenue, Pelham, NY 10803-1837, US

Plant Location: Same Address as Manufacturer

**Manufacturer: Technitrol, Inc. (CAGE Code: 90095)**

Location: Two Pearl Buck Court, Bristol, PA 19007-6812, US

Plant Location: Technitrol, Inc. (Greensboro, MD), P.O. Box 114, Church Street & Cedar Lane, Greensboro, MD 21639, US

**Manufacturer: Vanguard Electronics Company, Inc. (CAGE Code: 03550)**

Location: 7412 Prince Drive, Huntington Beach, CA 92647-4553, US

Plant Locations:

1. Same Address as Manufacturer
2. Electronica Vanguard S.A. de C.V., Ave. Eucalipto #2398-A Parque Industrial Calafia, C.R. 21259 Mexicali, B.C., Mexico