

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)
Product Levels C, M, T			
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.
Product Levels C, M, T			
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	4260-1647-23 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	4259-1647-23 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-04	4260-1647-24 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	4261-1647-24 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-04	4259-1647-24 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-05	4259-1647-25 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-05	4260-1647-25 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-05	4261-1647-25 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-06	4261-1647-26 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.
M21038/27-07	4261-1647-27 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	4259-1647-27 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	4261-1647-43 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	4259-1647-43 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.
M21038/27-14	4259-1647-44 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-15	4259-1647-45 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-15	4260-1647-45 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-15	4261-1647-45 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-16	4261-1647-46 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.
M21038/27-17	4261-1647-47 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.
M21038/27-18	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.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
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	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.
M21038/27-25	4261-1647-56 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-26	4259-1647-57 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-26	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.
M21038/27-27	4260-1647-58 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.
M21038/27-28	4261-1647-59 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	4259-1647-59 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	4259-1647-60 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	4260-1647-61 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.
M21038/27-30	4259-1647-61 HK	21038-1153-05, 21038-1154-05	Datatronics, Ltd.

Product Levels C, M, T

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)
Product Levels C, M, T			
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.
Product Levels C, M, T			
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.

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Product Levels C, M, T			
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.
Product Levels C, M, T			
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) Pulse Components, Ltd.
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) Pulse Components, Ltd.
M21038/27-10	Q1553-5	21038-025-95, 21038-149-98, 21038-150-98, 21038-296-89, 21038-85-86	Technitrol, Inc. (Greensboro, MD) Pulse Components, Ltd.
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) Pulse Components, Ltd.
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) Pulse Components, Ltd.
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) Pulse Components, Ltd.
M21038/27-26	Q1553-45	21038-025-95, 21038-149-98, 21038-150-98, 21038-296-89, 21038-85-86	Technitrol, Inc. (Greensboro, MD) Pulse Components, Ltd.
M21038/27-27	SMQ1553-45	21038-025-95, 21038-149-98, 21038-150-98, 21038-296-89, 21038-85-86	Technitrol, Inc. (Greensboro, MD) Pulse Components, Ltd.
M21038/27-28	Q1553-25	21038-025-95, 21038-149-98, 21038-150-98, 21038-296-89, 21038-85-86	Technitrol, Inc. (Greensboro, MD) Pulse Components, Ltd.
M21038/27-29	Q1553-51	21038-025-95, 21038-149-98, 21038-150-98, 21038-296-89, 21038-85-86	Technitrol, Inc. (Greensboro, MD) Pulse Components, Ltd.
M21038/27-30	Q1553-52	21038-025-95, 21038-149-98, 21038-150-98, 21038-296-89, 21038-85-86	Technitrol, Inc. (Greensboro, MD) Pulse Components, Ltd.
M21038/27-31	FPQ1553-45	21038-025-95, 21038-149-98, 21038-150-98, 21038-296-89, 21038-85-86	Technitrol, Inc. (Greensboro, MD) Pulse Components, Ltd.
Product Levels C, M, T			
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)
Product Levels C, M, T			
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.

Manufacturer and Supplier Location Information

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 Locations:

1. Pulse Components, Ltd., (PMC 3/F), No. 1 Industrial District, Chang An, Dong Guan, China
2. 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