

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	Added suggested sources of supply. Modified paragraphs 3.2.2, 3.2.4, 3.2.6, and 6.1. Editorial changes throughout.	16 Feb 94	D. Moore
B	Changes in accordance with NOR 5910-R011-96	23 May 96	A. Ernst
C	Revised sources of supply, made editorial changes, and converted references to MIL-PRF-49467.	5 April 99	J. Crum
D	Moved solderability testing from group A to group B. Updated suggested sources of supply.	10 April 00	Kendall A. Cottongim
E	Removed suggested source of supply. Added note 4 to figure 1. Added capacitor tolerance note to 3.2.9.	16 January 01	Kendall A. Cottongim
F	Added suggested source of supply. Changed Johanson Dielectrics CAGE code.	12 September 01	Kendall A. Cottongim
G	Updated name and address of vendor C.	4 November 02	Kendall A. Cottongim
H	Added Johanson Dielectrics as a suggested source of supply.	18 August 2004	Kendall A. Cottongim
J	Added CalRamic Technologies as a suggested source of supply.	19 April 2007	Michael A. Radecki

CURRENT DESIGN ACTIVITY CAGE CODE 037Z3
DEFENSE LOGISTICS AGENCY
DEFENSE SUPPLY CENTER COLUMBUS
COLUMBUS, OHIO 43218-3990

Prepared in accordance with [ASME Y14.100](#)

Selected item drawing

REV STATUS OF PAGES	REV	J	J	J	J	J	J	J	J	J	J						
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PMIC N/A	PREPARED BY ROBERT E. GRILLOT		DEFENSE ELECTRONIC SUPPLY CENTER DAYTON, OH														
Original date of drawing 11 APRIL 1989	CHECKED BY PATRICK G. KYNE		TITLE CAPACITORS, CERAMIC, MULTILAYER, HIGH VOLTAGE, X7R, 4,000 V DC														
	SIZE A	CODE IDENT. NO. 14933	DWG NO. 89044														
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1. SCOPE

1.1 Scope. This drawing and [MIL-PRF-49467](#) describe the complete requirements for high voltage multilayer ceramic capacitors.

1.2 Part or Identifying Number (PIN). The complete PIN shall be as follows:



2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3 and 4 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements of documents cited in sections 3 and 4 of this specification, whether or not they are listed.

2.2 Government documents.

2.2.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those cited in the solicitation or contract.

DEPARTMENT OF DEFENSE SPECIFICATIONS

[MIL-PRF-49467](#) - Capacitor, Fixed, Ceramic, Multilayer, High Voltage (General Purpose), Established Reliability, General Specification for.

DEPARTMENT OF DEFENSE STANDARDS

[MIL-STD-202](#) - Test Methods Standard Electronics and Electrical Component Parts.
[MIL-STD-1285](#) - Marking of Electrical and Electronic Parts.

(Copies of these documents are available online at <http://assist.daps.dla.mil/quicksearch/> or <http://www.assist.daps.dla.mil/> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

2.3 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 Interface and physical dimensions. The interface and physical dimensions shall be as specified in [MIL-PRF-49467](#) and herein (see [figure 1](#)).

3.1.1 Leads. Leads shall be solder coated. Tin-lead (Sn-Pb) finishes are acceptable provided that the minimum lead content is 3 percent.

3.1.2 Case. Epoxy, conformally coated.

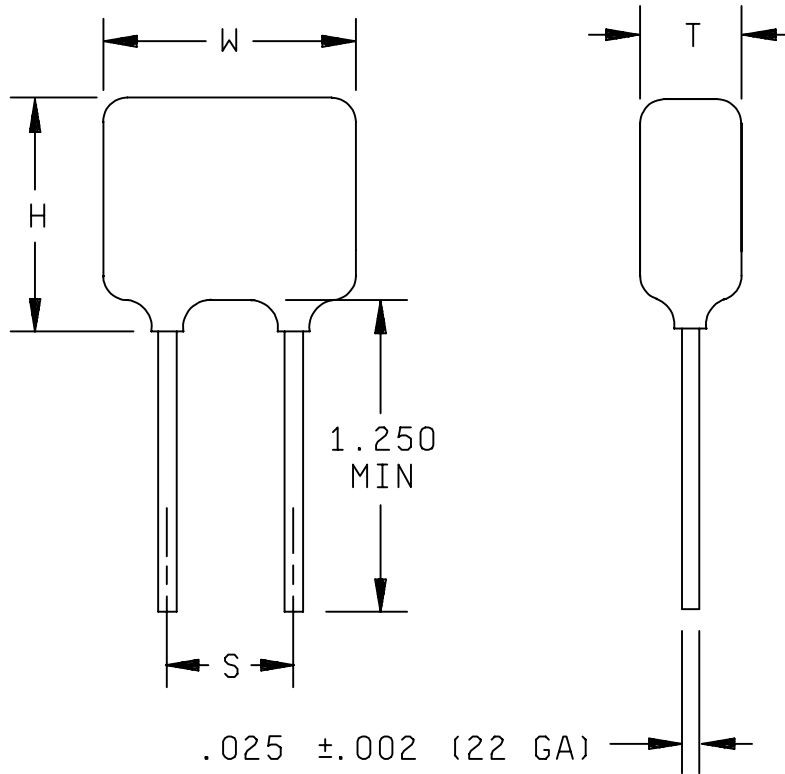
3.1.3 Operating temperature range. The operating temperature range shall be -55°C to +125°C.

3.2 Electrical characteristics.

3.2.1 Rated voltage. The rated voltage shall be 4,000 volts dc.

3.2.2 Dielectric type. X7R.

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Case code	Sizes (max.)			Lead spacing ± .030 (S)
	Width (W)	Height (H)	Thickness (T)	
A	.450	.220	.270	.300
B	.470	.400	.270	.375
C	.570	.500	.270	.470
D	.670	.600	.270	.575
E	.770	.720	.270	.670
F	1.250	.600	.270	1.100
G	1.450	.720	.270	1.300

Inches	mm	Inches	mm
.002	0.05	.570	14.48
.025	0.64	.575	14.61
.030	0.76	.600	15.24
.220	5.59	.670	17.02
.270	6.86	.675	17.15
.300	7.62	.720	18.29
.375	9.53	.770	19.56
.400	10.16	1.100	27.94
.450	11.43	1.250	31.75
.470	11.94	1.300	33.02
.500	12.70	1.450	36.83

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. H dimension includes meniscus.
4. S dimension shall be maintained from chip body to end of leads.

FIGURE 1. Case dimensions and configuration.

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- 3.2.3 Temperature coefficient. ± 15 percent. (For MIL-PRF-49467 group B voltage temperature limits, use step a through step d only.)
- 3.2.4 Capacitance. See table I. Measured in accordance with method 305 of MIL-STD-202, 1 kHz at 1.0 V rms at +25°C.
- 3.2.5 Dissipation factor (+25°C). 2.5 percent maximum (measured under the same conditions as capacitance).
- 3.2.6 Insulation resistance. Measured in accordance with method 302 of MIL-STD-202. At +25°C, 500 V dc: 100,000 megohms or 1,000 megohms microfarad, whichever is less. At +125°C, 500 V dc: 10,000 megohms or 100 megohms microfarad, whichever is less.
- 3.2.7 Dielectric withstanding voltage. 1.2 times rated voltage.
- 3.2.8 Aging rate. -2.0 percent maximum per decade-hour.
- 3.2.9 Capacitance tolerance. K = ± 10 percent, M = ± 20 percent. K tolerance parts may be substituted for M tolerance parts, with procuring activity approval.
- 3.3 Solderability of terminals. In accordance with MIL-PRF-49467.
- 3.4 Vibration. In accordance with MIL-PRF-49467.
- 3.5 Shock. In accordance with MIL-PRF-49467.
- 3.6 Immersion cycling. In accordance with MIL-PRF-49467.
- 3.7 Moisture resistance. In accordance with MIL-PRF-49467.
- 3.8 Life. One hundred percent of rated voltage applied at +125°C for 1,000 hours. Resistors with a high value such as 1 megohm may be used in series with each part under test in lieu of fuses.
- 3.9 Thermal shock. Method 107, MIL-STD-202, test condition B except low temperature is -55°C.
- 3.10 Voltage conditioning. In accordance with MIL-PRF-49467, 100 percent of rated voltage. Resistors with a high value such as 1 megohm may be used in series with each part under test in lieu of fuses.
- 3.11 Terminal strength. In accordance with MIL-PRF-49467.
- 3.12 Marking. Marking shall be in accordance with MIL-STD-1285 except the capacitors shall be marked with the PIN as specified in 1.2, the manufacturer's name or Commercial and Government Entity (CAGE) code, and date lot code as a minimum.
- 3.13 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.
- 3.14 Certificate of compliance. A certificate of compliance shall be required from manufacturers requesting to be a suggested source of supply.
- 3.15 Workmanship. Capacitors shall be uniform in quality and free from any defects that will affect life, serviceability, or appearance.

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TABLE I. Electrical characteristics

DSCC drawing 89044-	Capacitance	Capacitance tolerance	Case code	DSCC drawing 89044-	Capacitance	Capacitance tolerance	Case code
01	100 pF	K	A	35	2700 pF	K	B
02	100 pF	M	A	36	2700 pF	M	B
03	120 pF	K	A	37	3300 pF	K	B
04	120 pF	M	A	38	3300 pF	M	B
05	150 pF	K	A	39	3900 pF	K	B
06	150 pF	M	A	40	3900 pF	M	B
07	180 pF	K	A	41	4700 pF	K	B
08	180 pF	M	A	42	4700 pF	M	B
09	220 pF	K	A	43	5600 pF	K	B
10	220 pF	M	A	44	5600 pF	M	B
11	270 pF	K	A	45	6800 pF	K	B
12	270 pF	M	A	46	6800 pF	M	B
13	330 pF	K	A	47	8200 pF	K	C
14	330 pF	M	A	48	8200 pF	M	C
15	390 pF	K	A	49	.01 μ F	K	C
16	390 pF	M	A	50	.01 μ F	M	C
17	470 pF	K	A	51	.012 μ F	K	D
18	470 pF	M	A	52	.012 μ F	M	D
19	560 pF	K	A	53	.015 μ F	K	D
20	560 pF	M	A	54	.015 μ F	M	D
21	680 pF	K	A	55	.018 μ F	K	E
22	680 pF	M	A	56	.018 μ F	M	E
23	820 pF	K	A	57	.022 μ F	K	E
24	820 pF	M	A	58	.022 μ F	M	E
25	1000 pF	K	B	59	.027 μ F	K	E
26	1000 pF	M	B	60	.027 μ F	M	E
27	1200 pF	K	B	61	.033 μ F	K	F
28	1200 pF	M	B	62	.033 μ F	M	F
29	1500 pF	K	B	63	.039 μ F	K	G
30	1500 pF	M	B	64	.039 μ F	M	G
31	1800 pF	K	B	65	.047 μ F	K	G
32	1800 pF	M	B	66	.047 μ F	M	G
33	2200 pF	K	B	67	.056 μ F	K	G
34	2200 pF	M	B	68	.056 μ F	M	G

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4. VERIFICATION

4.1 Qualification inspection. Qualification inspection is not required.

4.2 Conformance inspection.

4.2.1 Inspection of product for delivery. Inspection of product for delivery shall consist of all tests specified in group A and group B inspections of MIL-PRF-49467, provided they are listed in this drawing. PPM testing and calculation is not applicable. Solderability testing shall be performed as a separate subgroup of group B inspection with a sample size of 3 units and 0 defectives permitted.

4.2.2 Certification. The acquiring activity, at its discretion, may accept a certificate of compliance with group B requirements in lieu of performing group B tests (see 6.2d).

5. PACKAGING

5.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When packaging of materiel is to be performed by DoD or in-house contractor personnel, these personnel need to contact the responsible packaging activity to ascertain packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activities within the Military Service or Defense Agency, or within the military service's system commands. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.

6. NOTES

(This section contains information of a general or explanatory nature which may be helpful, but is not mandatory.)

6.1 Intended use. Capacitors conforming to this drawing are intended for use when military specifications do not exist and qualified military devices that will perform the required function are not available for original equipment manufacturer application. This drawing is intended exclusively to prevent the proliferation of unnecessary duplicate specifications, drawings, and stock catalog listings. When a military specification exists and the product covered by this drawing has been qualified for listing, this drawing becomes obsolete and will not be used for new design.

6.2 Ordering data. The contract or purchase order should specify the following:

- a. Complete PIN (see 1.2).
- b. Requirements for delivery of one copy of the conformance inspection data or certificate of compliance that parts have passed conformance inspection with each shipment of parts by the manufacturer.
- c. Requirements for packaging and packing.
- d. Whether the manufacturer performs the group B tests or provides certification of compliance with group B requirements.
- e. Requirements for notification of change of product to procuring activity, if applicable.

6.3 Replaceability. Capacitors covered by this drawing will replace the same commercial device covered by contractor prepared specification or drawing.

6.4 Users of record. Coordination of this document for future revisions are coordinated only with the suggested sources of supply and the users of record of this document. Requests to be added as a recorded user of this drawing should be in writing to: Defense Supply Center, Columbus, ATTN: DSCC/VAT, Post Office Box 3990, Columbus, OH 43218-3990 or e-mailed to capacitorfilter@dscclia.mil also by telephone (614) 692-4709 or DSN 850-4709.

6.5 Suggested sources of supply. Suggested sources of supply are listed herein. Additional sources will be added as they become available. For assistance in the use of this drawing, contact Defense Supply Center, Columbus, ATTN: DSCC-VAT, Post Office Box 3990, Columbus, OH 43218-3990 or e-mailed to capacitorfilter@dscclia.mil also by telephone (614) 692-4709 or DSN 850-4709.

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1/ DSCC drawing PIN 89044-	Vendor A similar vendor type	Vendor B similar vendor type	Vendor C similar vendor type	Vendor D similar vendor type	Vendor E similar vendor type	Vendor F similar vendor type	Vendor G similar vendor type	Vendor H similar vendor type
01	SV04JC101KHA	2717CX101KA402	402H99W101KQ3H	UTC4127-01	128176-01	PCI1559-01	3015N101K402LEXH	40HV10B101KM
02	SV04JC101MHA	2717CX101MA402	402H99W101MQ3H	UTC4127-02	128176-02	PCI1559-02	3015N101M402LEXH	40HV10B101MM
03	SV04JC121KHA	2717CX121KA402	402H99W121KQ3H	UTC4127-03	128176-03	PCI1559-03	3015N121K402LEXH	40HV10B121KM
04	SV04JC121MHA	2717CX121MA402	402H99W121MQ3H	UTC4127-04	128176-04	PCI1559-04	3015N121M402LEXH	40HV10B121MM
05	SV04JC151KHA	2717CX151KA402	402H99W151KQ3H	UTC4127-05	128176-05	PCI1559-05	3015N151K402LEXH	40HV10B151KM
06	SV04JC151MHA	2717CX151MA402	402H99W151MQ3H	UTC4127-06	128176-06	PCI1559-06	3015N151M402LEXH	40HV10B151MM
07	SV04JC181KHA	2717CX181KA402	402H99W181KQ3H	UTC4127-07	128176-07	PCI1559-07	3015N181K402LEXH	40HV10B181KM
08	SV04JC181MHA	2717CX181MA402	402H99W181MQ3H	UTC4127-08	128176-08	PCI1559-08	3015N181M402LEXH	40HV10B181MM
09	SV04JC221KHA	2717CX221KA402	402H99W221KQ3H	UTC4127-09	128176-09	PCI1559-09	3015N221K402LEXH	40HV10B221KM
10	SV04JC221MHA	2717CX221MA402	402H99W221MQ3H	UTC4127-10	128176-10	PCI1559-10	3015N221M402LEXH	40HV10B221MM
11	SV04JC271KHA	2717CX271KA402	402H99W271KQ3H	UTC4127-11	128176-11	PCI1559-11	3015N271K402LEXH	40HV10B271KM
12	SV04JC271MHA	2717CX271MA402	402H99W271MQ3H	UTC4127-12	128176-12	PCI1559-12	3015N271M402LEXH	40HV10B271MM
13	SV04JC331KHA	2717CX331KA402	402H99W331KQ3H	UTC4127-13	128176-13	PCI1559-13	3015B331K402LEXH	40HV10B331KM
14	SV04JC331MHA	2717CX331MA402	402H99W331MQ3H	UTC4127-14	128176-14	PCI1559-14	3015B331M402LEXH	40HV10B331MM
15	SV04JC391KHA	2717CX391KA402	402H99W391KQ3H	UTC4127-15	128176-15	PCI1559-15	3015B391K402LEXH	40HV10B391KM
16	SV04JC391MHA	2717CX391MA402	402H99W391MQ3H	UTC4127-16	128176-16	PCI1559-16	3015B391M402LEXH	40HV10B391MM
17	SV04JC471KHA	2717CX471KA402	402H99W471KQ3H	UTC4127-17	128176-17	PCI1559-17	3015B471K402LEXH	40HV10B471KM
18	SV04JC471MHA	2717CX471MA402	402H99W471MQ3H	UTC4127-18	128176-18	PCI1559-18	3015B471M402LEXH	40HV10B471MM
19	SV04JC561KHA	2717CX561KA402	402H99W561KQ3H	UTC4127-19	128176-19	PCI1559-19	3015B561K402LEXH	40HV10B561KM
20	SV04JC561MHA	2717CX561MA402	402H99W561MQ3H	UTC4127-20	128176-20	PCI1559-20	3015B561M402LEXH	40HV10B561MM
21	SV04JC681KHA	2717CX681KA402	402H99W681KQ3H	UTC4127-21	128176-21	PCI1559-21	3015B681K402LEXH	40HV10B681KM
22	SV04JC681MHA	2717CX681MA402	402H99W681MQ3H	UTC4127-22	128176-22	PCI1559-22	3015B681M402LEXH	40HV10B681MM
23	SV04JC821KHA	2717CX821KA402	402H99W821KQ3H	UTC4127-23	128176-23	PCI1559-23	3015B821K402LEXH	40HV10B821KM
24	SV04JC821MHA	2717CX821MA402	402H99W821MQ3H	UTC4127-24	128176-24	PCI1559-24	3015B821M402LEXH	40HV10B821MM
25	SV05JC102KHA	3530CX102KA402	402H51W102KQ3H	UTC4127-25	128176-25	PCI1559-25	3530B102K402LEXH	40HV04B102KM
26	SV05JC102MHA	3530CX102MA402	402H51W102MQ3H	UTC4127-26	128176-26	PCI1559-26	3530B102M402LEXH	40HV04B102MM
27	SV05JC122KHA	3530CX122KA402	402H51W122KQ3H	UTC4127-27	128176-27	PCI1559-27	3530B122K402LEXH	40HV04B122KM
28	SV05JC122MHA	3530CX122MA402	402H51W122MQ3H	UTC4127-28	128176-28	PCI1559-28	3530B122M402LEXH	40HV04B122MM
29	SV05JC152KHA	3530CX152KA402	402H51W152KQ3H	UTC4127-29	128176-29	PCI1559-29	3530B152K402LEXH	40HV04B152KM
30	SV05JC152MHA	3530CX152MA402	402H51W152MQ3H	UTC4127-30	128176-30	PCI1559-30	3530B152M402LEXH	40HV04B152MM
31	SV05JC182KHA	3530CX182KA402	402H51W182KQ3H	UTC4127-31	128176-31	PCI1559-31	3530B182K402LEXH	40HV04B182KM
32	SV05JC182MHA	3530CX182MA402	402H51W182MQ3H	UTC4127-32	128176-32	PCI1559-32	3530B182M402LEXH	40HV04B182MM
33	SV05JC222KHA	3530CX222KA402	402H51W222KQ3H	UTC4127-33	128176-33	PCI1559-33	3530B222K402LEXH	40HV04B222KM
34	SV05JC222MHA	3530CX222MA402	402H51W222MQ3H	UTC4127-34	128176-34	PCI1559-34	3530B222M402LEXH	40HV04B222MM
35	SV05JC272KHA	3530CX272KA402	402H51W272KQ3H	UTC4127-35	128176-35	PCI1559-35	3530B272K402LEXH	40HV04B272KM
36	SV05JC272MHA	3530CX272MA402	402H51W272MQ3H	UTC4127-36	128176-36	PCI1559-36	3530B272M402LEXH	40HV04B272MM
37	SV05JC332KHA	3530CX332KA402	402H51W332KQ3H	UTC4127-37	128176-37	PCI1559-37	3530B332K402LEXH	40HV04B332KM
38	SV05JC332MHA	3530CX332MA402	402H51W332MQ3H	UTC4127-38	128176-38	PCI1559-38	3530B332M402LEXH	40HV04B332MM
39	SV05JC392KHA	3530CX392KA402	402H51W392KQ3H	UTC4127-39	128176-39	PCI1559-39	3530B392K402LEXH	40HV04B392KM
40	SV05JC392MHA	3530CX392MA402	402H51W392MQ3H	UTC4127-40	128176-40	PCI1559-40	3530B392M402LEXH	40HV04B392MM
41	SV05JC472KHA	3530CX472KA402	402H51W472KQ3H	UTC4127-41	128176-41	PCI1559-41	3530B472K402LEXH	40HV04B472KM
42	SV05JC472MHA	3530CX472MA402	402H51W472MQ3H	UTC4127-42	128176-42	PCI1559-42	3530B472M402LEXH	40HV04B472MM
43	SV05JC562KHA	3530CX562KA402	402H51W562KQ3H	UTC4127-43	128176-43	PCI1559-43	3530B562K402LEXH	40HV04B562KM
44	SV05JC562MHA	3530CX562MA402	402H51W562MQ3H	UTC4127-44	128176-44	PCI1559-44	3530B562M402LEXH	40HV04B562MM
45	N/A	3530CX682KA402	402H51W682KQ3H	UTC4127-45	128176-45	PCI1559-45	3530B682K402LEXH	40HV04B682KM
46	N/A	3530CX682MA402	402H51W682MQ3H	UTC4127-46	128176-46	PCI1559-46	3530B682M402LEXH	40HV04B682MM
47	SV07JC822KHA	4540CX822KA402	402H62W822KQ3H	UTC4127-47	128176-47	PCI1559-47	4540B822K402LEXH	40HV05B822KM
48	SV07JC822MHA	4540CX822MA402	402H62W822MQ3H	UTC4127-48	128176-48	PCI1559-48	4540B822M402LEXH	40HV05B822MM

See footnote at end of table.

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1/ DSCC drawing PIN 89044-	Vendor A similar vendor type	Vendor B similar vendor type	Vendor C similar vendor type	Vendor D similar vendor type	Vendor E similar vendor type	Vendor F similar vendor type	Vendor G similar vendor type	Vendor H similar vendor type
49	SV07JC103KHA	4540CX103KA402	402H62W103KQ3H	UTC4127-49	128176-49	PCI1559-49	4540B103K402LEXH	40HV05B103KM
50	SV07JC103MHA	4540CX103MA402	402H62W103MQ3H	UTC4127-50	128176-50	PCI1559-50	4540B103M402LEXH	40HV05B103MM
51	SV08JC123KHA	5550CX123KA402	402H66W123KQ3H	UTC4127-51	128176-51	PCI1559-51	5550B123K402LEXH	40HV06B123KM
52	SV08JC123MHA	5550CX123MA402	402H66W123MQ3H	UTC4127-52	128176-52	PCI1559-52	5550B123M402LEXH	40HV06B123MM
53	SV08JC153KHA	5550CX153KA402	402H66W153KQ3H	UTC4127-53	128176-53	PCI1559-53	5550B153K402LEXH	40HV06B153KM
54	SV08JC153MHA	5550CX153MA402	402H66W153MQ3H	UTC4127-54	128176-54	PCI1559-54	5550B153M402LEXH	40HV06B153MM
55	SV09JC183KHA	6560CX183KA402	402H70W183KQ3H	UTC4127-55	128176-55	PCI1559-55	6560B183K402LEXH	40HV07B183KM
56	SV09JC183MHA	6560CX183MA402	402H70W183MQ3H	UTC4127-56	128176-56	PCI1559-56	6560B183M402LEXH	40HV07B183MM
57	SV09JC223KHA	6560CX223KA402	402H70W223KQ3H	UTC4127-57	128176-57	PCI1559-57	6560B223K402LEXH	40HV07B223KM
58	SV09JC223MHA	6560CX223MA402	402H70W223MQ3H	UTC4127-58	128176-58	PCI1559-58	6560B223M402LEXH	40HV07B223MM
59	SV09JC273KHA	6560CX273KA402	402H70W273KQ3H	UTC4127-59	128176-59	PCI1559-59	6560B273K402LEXH	40HV07B273KM
60	SV09JC273MHA	6560CX273MA402	402H70W273MQ3H	UTC4127-60	128176-60	PCI1559-60	6560B273M402LEXH	40HV07B273MM
61	SV11JC333KHA	11050CX333KA402	402H99W333KQ3H	UTC4127-61	128176-61	PCI1559-61	11050B333K402LEXH	40HV15B333KM
62	SV11JC333MHA	11050CX333MA402	402H99W333MQ3H	UTC4127-62	128176-62	PCI1559-62	11050B333M402LEXH	40HV15B333MM
63	SV12JC393KHA	13060CX393KA402	402H80W393KQ3H	UTC4127-63	128176-63	PCI1559-63	13060B393K402LEXH	40HV16B393KM
64	SV12JC393MHA	13060CX393MA402	402H80W393MQ3H	UTC4127-64	128176-64	PCI1559-64	13060B393M402LEXH	40HV16B393MM
65	SV12JC473KHA	13060CX473KA402	402H80W473KQ3H	UTC4127-65	128176-65	PCI1559-65	13060B473K402LEXH	40HV16B473KM
66	SV12JC473MHA	13060CX473MA402	402H80W473MQ3H	UTC4127-66	128176-66	PCI1559-66	13060B473M402LEXH	40HV16B473MM
67	SV12JC563KHA	13060CX563KA402	402H80W563KQ3H	UTC4127-67	128176-67	PCI1559-67	13060B563K402LEXH	40HV16B563KM
68	SV12JC563MHA	13060CX563MA402	402H80W563MQ3H	UTC4127-68	128176-68	PCI1559-68	13060B563M402LEXH	40HV16B563MM

1/ Parts must be purchased to this DSCC PIN to assure that all performance requirements and tests are met.

DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO		
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