



DEFENSE LOGISTICS AGENCY
DEFENSE SUPPLY CENTER, COLUMBUS
POST OFFICE BOX 3990
COLUMBUS, OH 43216-5000

IN REPLY
REFER TO

DSCC-VAC

June 10, 2004

MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

SUBJECT: Initial Draft of DSCC Drawings 84006D, 84101E, and 85067C; Project Numbers 5998-E050, -E051 and -E052

The initial drafts for the subject documents, dated June 8, 2004, are now available for viewing and downloading from the DSCC-VA Web site:

<http://www.dsc.dla.mil/Programs/MilSpec/DocSearch.asp>

These proposals were created to add an additional suggested source of supply, update the vendor contact information, and add a paragraph addressing environmentally preferable material.

Concurrence or comments are required at this Center no later than 45 days from the date of this letter. Essential comments must be justified with supporting data. If you wish to be listed or remain listed as a source of supply, please complete the attached Certificate of Compliance form and return to this office.

Please forward your comments or concurrence electronically to the project engineer listed below. This can be in the form of a return e-mail, with or without a text file. If an electronic response is not possible, we will accept comments via letter, facsimile, or by telephone. Any further coordination concerning this document will be circulated only to firms and organizations that furnish comments or reply that they have an interest.

The point of contact for these documents is Mr. David Corbett, Defense Supply Center, Columbus, DSCC-VAC, P.O. Box 3990, Columbus, OH 43216-5000. The preferred method of contact is via e-mail: 5998.documents@dsc.dla.mil. Mr. Corbett can also be reached at (614) 692-0526/DSN 850-0526, or by facsimile (614) 692-6939/DSN 850-6939.

/ signed /

THOMAS M. HESS
Chief
Active Devices Team

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	Addition of marking requirement and source of supply.	22 OCT 1984	Randy Larson
B	Changed marking requirements and changed dimensional tolerance on snap retainer. Editorial changes.	14 JAN 1988	Randy Larson
C	Change FSC from 5999 to 5998. Editorial changes throughout.	12 JUL 2000	Monica L. Poelking
D	Added additional suggested source of supply. Editorial changes throughout.	DRAFT	

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

THE ORIGINAL FIRST PAGE OF THIS DRAWING HAS BEEN REPLACED.

Prepared in accordance with ASME Y14.100

Selected item drawing

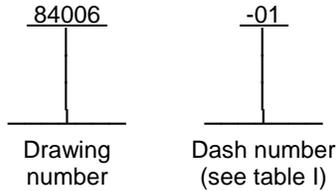
REV																				
PAGE																				
REV STATUS OF PAGES	REV	D	D	D	D	D	D	D	D	D										
	PAGES	1	2	3	4	5	6	7	8											

PMIC N/A	PREPARED BY Dan McGrath	DESIGN ACTIVITY DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OH 45444-5000 http://www.dsc.dla.mil	
Original date of drawing 18 Jun 1984	CHECKED BY Randy Larson	TITLE HOLDER, ELECTRICAL CARD, CARD GUIDE, SHALLOW CHANNEL, PLASTIC	
	APPROVED BY Ivan Jones		
	SIZE A	CODE IDENT. NO. 14933	DWG NO. 84006
	REV D		PAGE 1 OF 8

1. SCOPE

1.1 Scope. This drawing describes the requirements for a family of card guides intended for use with printed circuit boards and circuit card assemblies.

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



2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 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 (see 6.2).

DEPARTMENT OF DEFENSE STANDARDS

MIL-STD-1285 – Marking of Electrical and Electronic Parts.

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

2.2 Non-Government publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents are those cited in the solicitation or contract (see 6.2).

ASTM INTERNATIONAL (ASTM)

ASTM D4066 - Nylon Injection and Extrusion Materials (PA).

(Application for copies should be addressed to the ASTM International, PO Box C700, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 or at URL <http://www.astm.org>.)

(Non-Government Standards and other publications are normally available from the organizations which prepare or which distribute the documents. These documents also may be available in or through libraries or other informational services.)

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.

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3. REQUIREMENTS

3.1 Interface and physical dimensions. For dash number 01 through 12, see figure 1 and table I. For dash number 13 through 24, see figure 2 and table II.

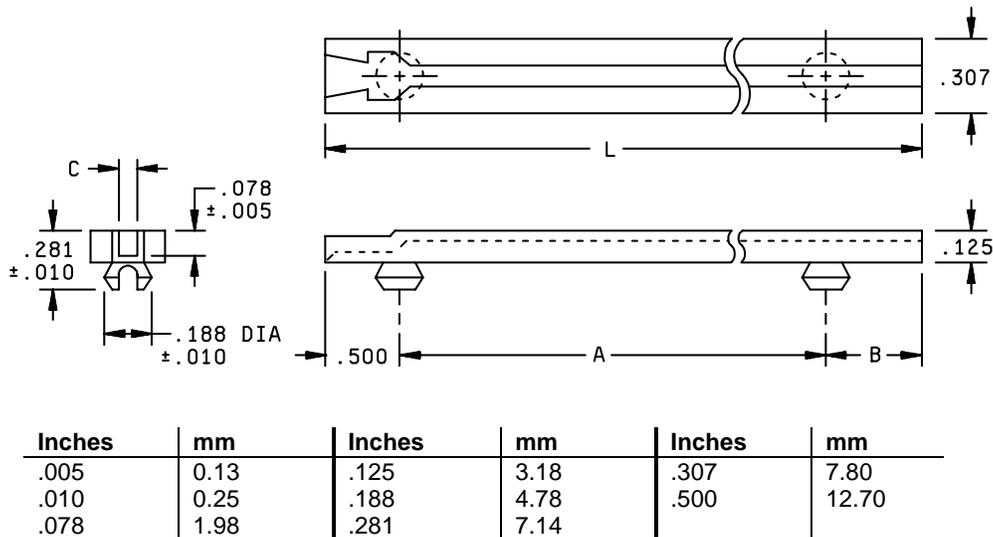
3.2 Material. Material shall be nylon in accordance with ASTM D4066, D4066PA211R13A999F24.

3.3 Certificate of compliance. A certificate of compliance shall be required from manufacturers requesting to be a suggested source of supply.

3.4 Marking. Marking of the card guide is not required; however, each unit package shall be marked in accordance with MIL-STD-1285 and include the PIN as specified herein (see 1.2), the manufacturer's name or Commercial and Government Entity (CAGE) code, and date lot codes.

3.5 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.

3.6 Workmanship. Card guides shall be free of flash, pits, voids, and excessive mold marks. Visible parting line is acceptable.



NOTES:

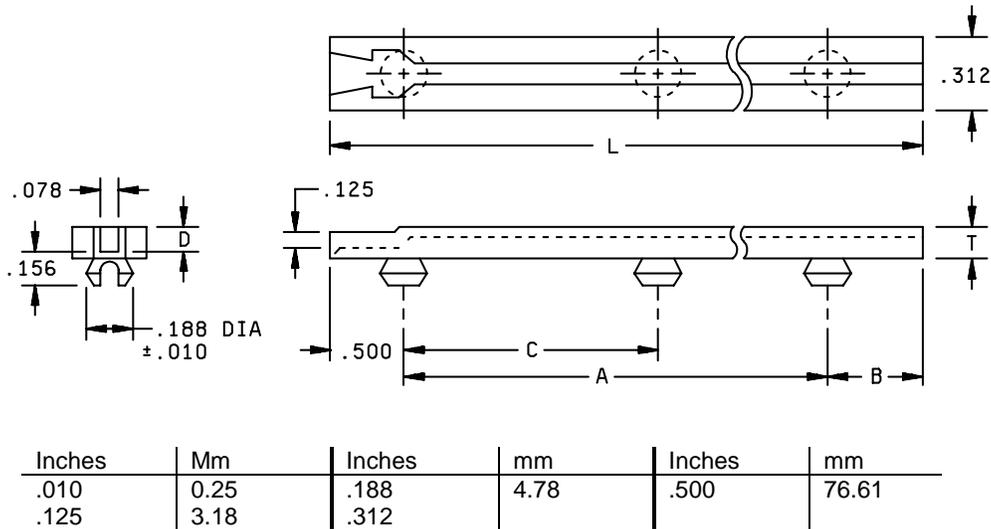
1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is ± .010 inch for two place decimals and ± .005 for three place decimals.
4. Slotting or elongating of second mounting hole is recommended to allow for length variations in molding and to facilitate assembly.

FIGURE 1. Dimensions of two—snap card guides.

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TABLE I. Physical characteristics of two snap card holders.

DSCC PIN 84006	Dimension L ± .062 (1.57)	Dimension A +.016, —.032 (0.41) (0.81)	Dimension B ± .047 (1.19)	Dimension C
—01	2.500 (63.50)	1.516 (38.51)	.500 (12.70)	.078 (1.98)
—02	3.000 (76.20)	1.516 (38.51)	1.000 (25.40)	.078 (1.98)
—03	3.500 (88.90)	1.516 (38.51)	1.500 (38.10)	.078 (1.98)
—04	4.000 (101.60)	3.016 (76.61)	.500 (12.70)	.078 (1.98)
—05	4.500 (114.30)	3.016 (76.61)	1.00 (25.40)	.078 (1.98)
—06	5.000 (127.00)	3.016 (76.61)	1.500 (38.10)	.078 (1.98)
—07	5.500 (139.70)	5.016 (127.41)	2.000 (50.80)	.078 (1.98)
—08	6.000 (152.40)	5.016 (127.41)	.500 (12.70)	.078 (1.98)
—09	6.500 (165.10)	5.016 (127.41)	1.000 (25.40)	.078 (1.98)
—10	7.000 (177.80)	6.031 (153.19)	.500 (12.70)	.078 (1.98)
—11	7.500 (190.50)	6.031 (153.19)	1.000 (25.40)	.078 (1.98)
—12	8.000 (203.20)	6.031 (153.19)	1.500 (38.10)	.078 (1.98)



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is ± .010 inch for two place decimals and ± .005 for three place decimals.
4. Slotting or elongating of second mounting hole is recommended to allow for length variations in molding and to facilitate assembly.

FIGURE 2. Dimensions of three—snap card guides.

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TABLE II. Physical characteristics of three snap card holders.

DSCC PIN 84006	Dimension L ±.062 (1.57)	A +.016, —.047 (0.41), (1.19)	B ±.047 (1.19)	C +.016, —.032 (0.41), (0.81)	D ±.005 (0.127)	T ±.007 (0.178)
—13	8.500 (215.9)	7.531 (191.29)	.500 (12.7)	3.766 (95.66)	.078 (1.98)	.141 (35.81)
—14	9.000 (228.6)	7.531 (191.29)	1.000 (25.4)	3.766 (95.66)	.078 (1.98)	.141 (35.81)
—15	9.500 (241.3)	7.531 (191.29)	1.500 (38.1)	3.766 (95.66)	.078 (1.98)	.141 (35.81)
—16	10.000 (254.0)	9.031 (229.39)	.500 (12.7)	4.516 (114.71)	.078 (1.98)	.141 (35.81)
—17	10.500 (266.7)	9.031 (229.39)	1.00 (25.4)	4.516 (114.71)	.078 (1.98)	.141 (35.81)
—18	11.000 (279.4)	9.031 (229.39)	1.500 (38.1)	4.516 (114.71)	.078 (1.98)	.141 (35.81)
—19	11.500 (292.1)	10.547 (267.89)	2.000 (50.8)	5.266 (133.76)	.093 (2.36)	.156 (39.62)
—20	12.000 (304.8)	10.547 (267.89)	.500 (12.7)	5.266 (133.76)	.093 (2.36)	.156 (39.62)
—21	12.500 (317.5)	10.547 (267.89)	1.000 (25.4)	5.266 (133.76)	.093 (2.36)	.156 (39.62)
—22	13.000 (330.2)	12.047 (305.99)	.500 (12.7)	6.016 (152.81)	.093 (2.36)	.156 (39.62)
—23	13.500 (342.9)	12.047 (305.99)	1.000 (25.4)	6.016 (152.81)	.093 (2.36)	.156 (39.62)
—24	14.000 (355.6)	12.047 (305.99)	1.500 (38.1)	6.016 (152.81)	.093 (2.36)	.156 (39.62)

4. VERIFICATION

4.1 Conformance inspections.

4.1.1 Inspection of product for delivery. Inspection of product for delivery shall consist of visual and mechanical inspections of interface and physical dimensions (see 3.1), materials (see 3.2), and workmanship (see 3.6). Criteria for defects are listed in 4.1.5.

4.1.2 Optional statement of compliance. The acquiring activity, at its discretion, may accept a statement of compliance in lieu of the manufacturer performing the inspection of product for delivery (see 6.2.b).

4.1.3 Sampling plan. A sample of parts shall be randomly selected in accordance with table III, normal sampling. If one or more defects are found, the lot shall be rejected. Criteria for defects are listed in 4.1.5.

4.1.4 Rejected lots. If an inspection lot is rejected after normal sampling inspection, the manufacturer may rework it to correct the defects, or screen out the defective parts and resubmit for inspection. Resubmitted lots shall be inspected by selecting a random sample of parts in accordance with table III, tightened sampling. If one or more defects are found in this sample, the lot shall be rejected and shall not be supplied to this specification. Resubmitted lots which are acceptable shall be clearly identified as reinspected lots.

TABLE III. Sampling plan.

Lot size	Normal	Tightened
2 to 25	3	5
26 to 50	5	6
51 to 90	6	7
91 to 150	7	11
151 to 280	10	13
281 to 500	11	16
501 to 1,200	15	19
1,201 to 3,200	18	23
3,201 to 10,000	22	29
10,001 to 35,001	29	35
35,001 and over	29	40

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4.1.5 Defective characteristics and properties. Dimensional characteristics are considered defective when out of tolerance. Physical and functional properties are considered defective when outside the specified minimum, maximum, or range as applicable. Workmanship characteristics are considered defective when they would be detrimental to the intended use, performance requirements, or environmental survival of the part.

5. PACKAGING

5.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When actual 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 activity within the Military Department or Defense Agency, or within the Military Department's system command. 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. Card holders 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 OEM application.

6.1.1 Environmentally preferable material. Environmentally preferable materials should be used to the maximum extent possible that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs. Table IV lists the Environmental Protection Agency (EPA) top seventeen hazardous materials targeted for major usage reduction. If any of these hazardous materials are required, it is recommended that it be used only when other materials cannot meet performance requirements.

TABLE IV. EPA top seventeen hazardous materials.

Benzene	Dichloromethane	Tetrachloroethylene
Cadmium and Compounds	Lead and Compounds	Toluene
Carbon Tetrachloride	Mercury and Compounds	1,1,1 - Trichloroethane
Chloroform	Methyl Ethyle Ketone	Trichloroethylene
Chromium and Compounds	Methyl Isobutyl Ketone	Xylenes
Cyanide and Compounds	Nickel and Compounds	

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.

6.3 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-VAC, Post Office Box 3990, Columbus, OH 43218-3990 or by electronic mail at "5998_Documents@dsc.dla.mil" or by facsimile (614) 693-1642 or DSN 850-6939.

6.4 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-VAC, Post Office Box 3990, Columbus, OH 43216-5000 or by electronic mail "5998_Documents@dsc.dla.mil" or by facsimile (614) 693-1642 or DSN 850-6939.

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DSCC drawing PIN	Vendor similar designation or type number <u>1/</u>	DSCC drawing PIN	Vendor similar designation or type number <u>1/</u>	Vendor CAGE	Vendor name and address
84006—01	CG31—25	84006—13	CG31—85	53507	Airquip Robleyco (A division of Micro Dimensional Products, Inc.) 199 West Spruce Street Norristown, PA 19401-3863 Phone: (610) 239-7990 Facsimile: (610) 239-7980 e-mail: sales@robleyco.com URL: www.robleyco.com
84006—02	CG31—30	84006—14	CG31—90		
84006—03	CG31—35	84006—15	CG31—95		
84006—04	CG31—40	84006—16	CG31—100		
84006—05	CG31—45	84006—17	CG31—105		
84006—06	CG31—50	84006—18	CG31—110		
84006—07	CG31—55	84006—19	CG31—115		
84006—08	CG31—60	84006—20	CG31—120		
84006—09	CG31—65	84006—21	CG31—125		
84006—10	CG31—70	84006—22	CG31—130		
84006—11	CG31—75	84006—23	CG31—135		
84006—12	CG31—80	84006—24	CG31—140		

1/ CAUTION: Do not use this number for item acquisition. Items acquired to this number may not satisfy the performance requirements of this drawing.

DSCC drawing PIN	Vendor similar designation or type number <u>1/</u>	DSCC drawing PIN	Vendor similar designation or type number <u>1/</u>	Vendor CAGE	Vendor name and address
84006—01	E—250	84006—13	E—850	32559	Bivar, Incorporated 4 Thomas Street Irvine, CA 92718-2512 Phone: (949) 951-8808 Facsimile: (949) 951-3974 e-mail: info@bivar.com URL: www.bivar.com
84006—02	E—300	84006—14	E—900		
84006—03	E—350	84006—15	E—950		
84006—04	E—400	84006—16	E—1000		
84006—05	E—450	84006—17	E—1050		
84006—06	E—500	84006—18	E—1100		
84006—07	E—550	84006—19	E—1150		
84006—08	E—600	84006—20	E—1200		
84006—09	E—650	84006—21	E—1250		
84006—10	E—700	84006—22	E—1300		
84006—11	E—750	84006—23	E—1350		
84006—12	E—800	84006—24	E—1400		

1/ CAUTION: Do not use this number for item acquisition. Items acquired to this number may not satisfy the performance requirements of this drawing.

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DSCC drawing PIN	Vendor similar designation or type number <u>1/</u>	Vendor CAGE	Vendor name and address
84006—01	9300—25	24227	Teknational Industries, Incorporated P. O. Box 926 Ft. Meyers, FL 33902--0926 Phone: (585) 473-6310 Facsimile: (585) 473-6324 e-mail: sales@teknational.com URL: www.teknational.com
84006—02	9300—30		
84006—03	9300—35		
84006—04	9300—40		
84006—05	9300—45		
84006—06	9300—50		
84006—07	9300—55		
84006—08	9300—60		
84006—09	9300—65		
84006—10	9300—70		
84006—11	9300—75		
84006—12	9300—80		

1/ CAUTION: Do not use this number for item acquisition. Items acquired to this number may not satisfy the performance requirements of this drawing.

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