

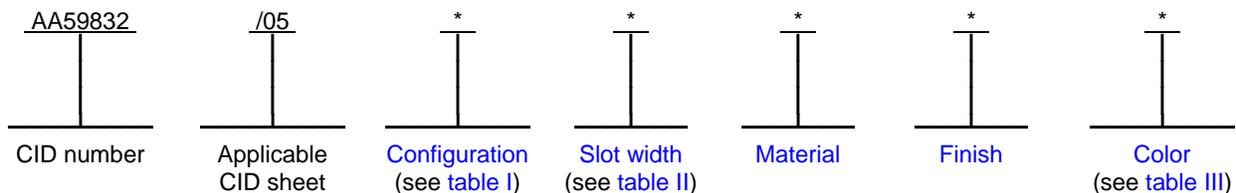
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

EXTRACTOR, ELECTRICAL CARD, METAL, NON-LOCKING,
SINGLE-SIDED ACTUATION, NARROW PROFILE, ANGLED ACTUATING HANDLE,
FOR .032, .063, .094, .125, AND .156 INCH THICK CIRCUIT CARD ASSEMBLIES

The General Services Administration has authorized the use of this
commercial item description for all federal agencies.

The complete requirements for procuring extractors described herein shall consist of this document and the latest
issue in effect of [A-A-59832](#).

CLASSIFICATION/PART IDENTIFICATION NUMBER (PIN). This commercial item description (CID) specification
sheet uses a classification system which is included in the Part Identification Number (PIN) as shown in the following
example (see [NOTES](#) herein).



Example: AA59832/05K42LC is the PIN for a left handed, angle handle, aluminum extractor designed for mounting
on a circuit card assembly with a printed board thickness of .125 inch (3.20 mm) in width. The corrosion protection
finish applied to the extractor is clear low resistance chemical film.

SALIENT CHARACTERISTICS.

Performance. Extractors shall be capable of initiating the removal of a circuit card assembly from its installed
position. The mechanical advantage of all extractor configurations on this CID specification sheet shall be a minimum
of 4:1.

Interface and physical dimensions. The extractors supplied to this CID specification sheet shall be as specified
herein and meet the general requirements specified in CID [A-A-59832](#).

Configuration. The configuration of an extractor shall be as specified in [table I](#) and on figures 1 through 6.

TABLE I. Configurations.

Configuration	Applicable figures	Extractor description
K	1 and 2	Left hand with SED symbol on the angled handle
L	1	Left hand with angled handle
M	3	Left hand with bent leg and angled handle
N	3 and 4	Left hand with bent leg and SED symbol on the angled handle
P	4 and 5	Right hand with bent leg and SED symbol on the angled handle
Q	5	Right hand with bent leg and angled handle
R	6	Right hand with angled handle
S	6 and 2	Right hand with SED symbol on the angled handle

Slot width. The available slot widths needed to accommodate various printed board thicknesses for the extractors covered by this CID specification sheet are specified in table II. The slot width designator shall be included in the PIN.

TABLE II. Slot width configurations and dimensions. 1/

Slot width designator	Slot width dimension "A" 2/	Accommodates printed board thickness	Roll pin width	Handle width dimension "B"
	Inch (mm)		Inch (mm)	
1	.040 (1.02)	.032 (0.8)	.187 (4.75)	.25 (6.4)
2	.075 (2.03)	.063 (1.6)	.187 (4.75)	
3	.105 (2.79)	.094 (2.4)	.250 (6.35)	
4	.142 (3.56)	.125 (3.2)	.250 (6.35)	.29 (7.4)
5	.165 (4.19)	.156 (4.0)	.312 (7.94)	

1/ Dimensions are in inches. Millimeters, in parenthesis, are given for general information only.

2/ Tolerance is +.005, -.005 inch (+0.127, -0.127 mm).

Material. The material used in the extractor body shall be as specified in [A-A-59832](#). The applicable material type designators for this CID specification sheet are "1" (aluminum alloy 6061, temper T6), "2" (aluminum alloy 5052, temper H32), or "7" (Stainless steel, types 301, 302 or 304). The material designator shall be included in the PIN.

Material thickness. The aluminum thickness shall be .063 ±.003 inch (1.60 ±.077 mm). The stainless steel thickness shall be .060 ±.003 inch (1.60 ±0.077 mm).

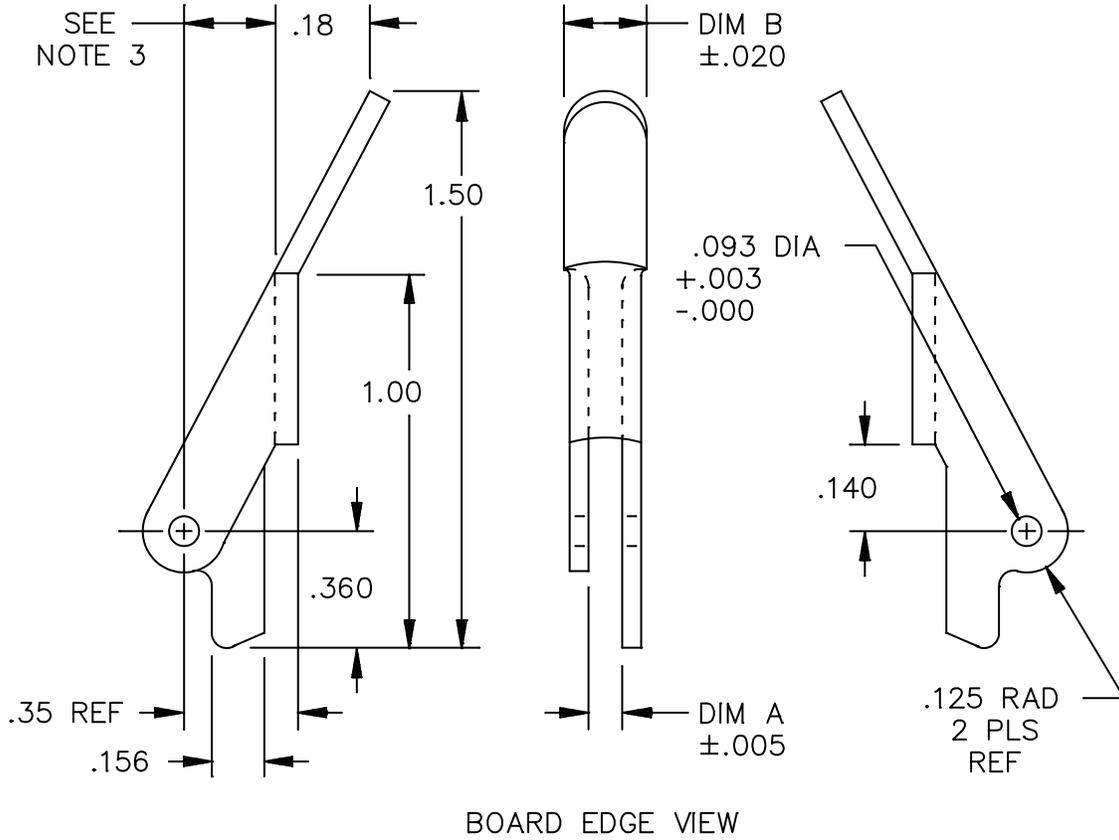
Roll pin. A stainless steel roll pin is furnished with each extractor. The roll pin is .09375 inch (2.38 mm) diameter by the widths specified in table II.

Finish. The finish designator shall be as specified in [A-A-59832](#). The finishes available for this CID specification sheet are as follows: "A" (anodize) or "L" (low resistance chemical film) for extractors fabricated of aluminum alloys and "P" (passivation treatment) extractors fabricated of stainless steel.

Color. The color designator shall be as specified in [A-A-59832](#). The colors available for this CID specification sheet shall be "C" (clear) or "G" (gold) for low resistance chemical film and "C" (clear) for passivation treatment. The color of anodized extractors shall be specified in table III. The color designator shall be included in the PIN.

TABLE III. Colors of anodized extractors.

Designator	Color	Designator	Color
B	Black	R	Red
C	Clear	U	Blue
D	Green	V	Violet (purple)
E	Gray	W	Brown
F	Orange	Y	Yellow

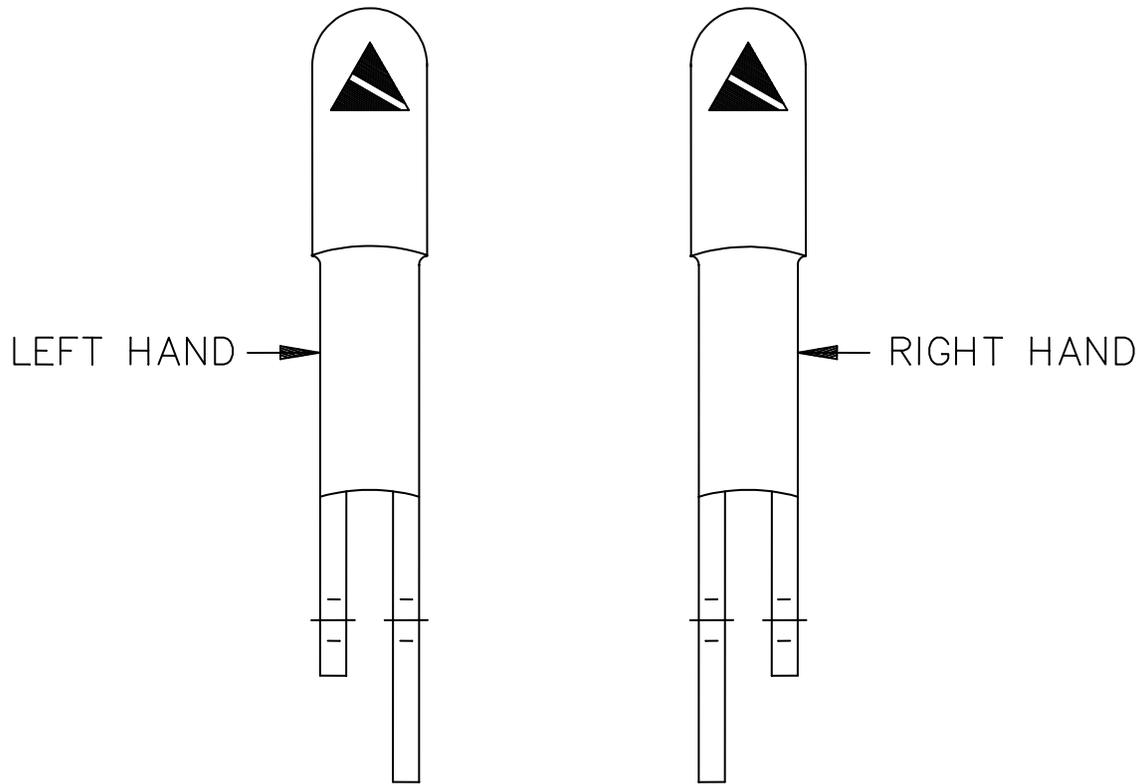


Inches	mm								
.003	0.08	.020	0.51	.125	3.18	.156	3.96	.360	9.14
.005	0.13	.093	2.36	.140	3.56	.18	4.57	1.00	25.4
						.35	8.89	1.50	38.1

NOTES:

1. Dimensions are in inches. Millimeter equivalents are given for general information only.
2. Unless otherwise specified, tolerances are ± 0.02 inch (0.51 mm) for two place decimals and ± 0.010 inch (0.25 mm) for three place decimals.
3. Depth dimension is .29 inch (7.4 mm) for extractors from CAGE 5GB68 and CAGE 61081.

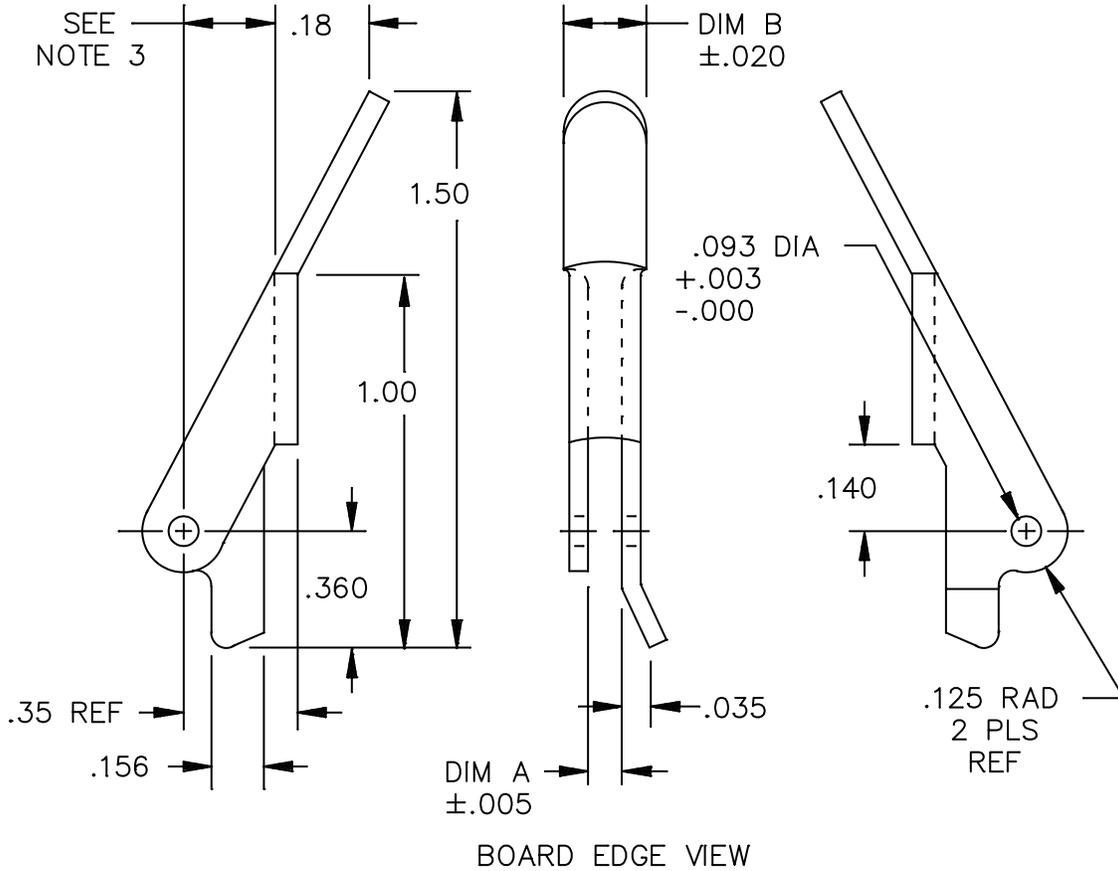
FIGURE 1. Configuration L dimensions (left hand).



NOTES:

1. The SED symbol displayed on the extractor handles shall be in accordance with [A-A-59832](#).
2. Unless otherwise specified, a monochromatic reproduction of the symbol displayed in [A-A-59832](#) using any color that contrasts with the color of the extractor handle may be used.

FIGURE 2. Configurations K and S with SED symbol on extractor handle (board edge view).

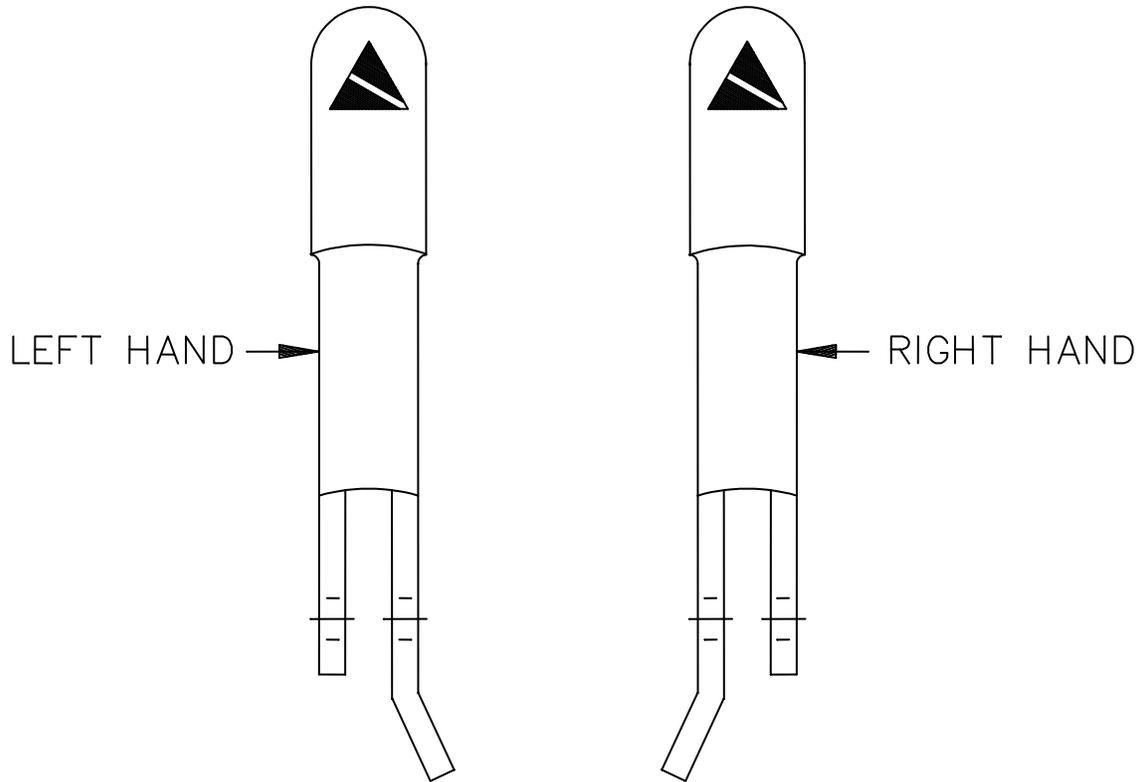


Inches	mm								
.003	0.08	.020	0.51	.093	2.36	.156	3.96	.360	9.14
.005	0.13	.035	0.89	.125	3.18	.18	4.57	1.00	25.4
				.140	3.56	.35	8.89	1.50	38.1

NOTES:

1. Dimensions are in inches. Millimeter equivalents are given for general information only.
2. Unless otherwise specified, tolerances are ± 0.02 inch (0.51 mm) for two place decimals and ± 0.010 inch (0.25 mm) for three place decimals.
3. Depth dimension is .29 inch (7.4 mm) for extractors from CAGE 5GB68 and CAGE 61081.

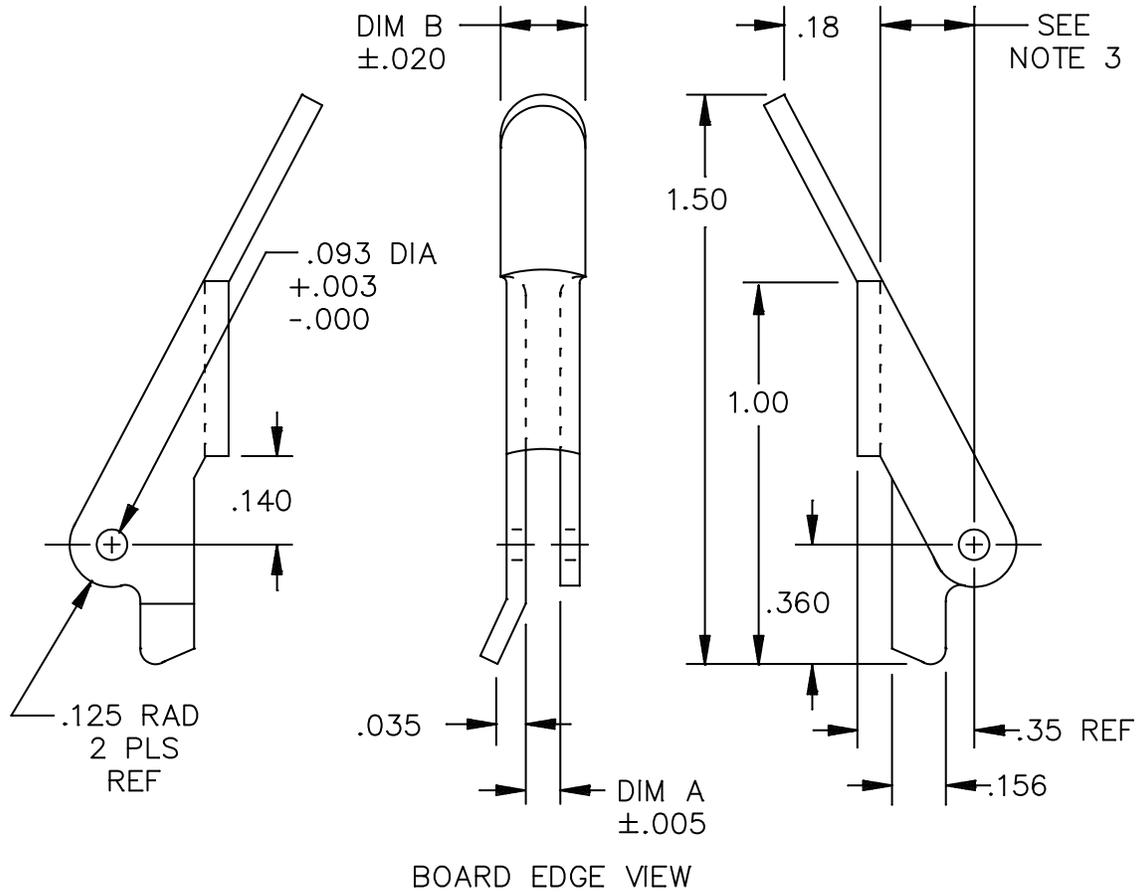
FIGURE 3. Configuration M dimensions (left hand with bent leg).



NOTES:

1. The SED symbol displayed on the extractor handles shall be in accordance with [A-A-59832](#).
2. Unless otherwise specified, a monochromatic reproduction of the symbol displayed in [A-A-59832](#) using any color that contrasts with the color of the extractor handle may be used.

FIGURE 4. Configurations N and P with SED symbol on extractor handle (board edge view).

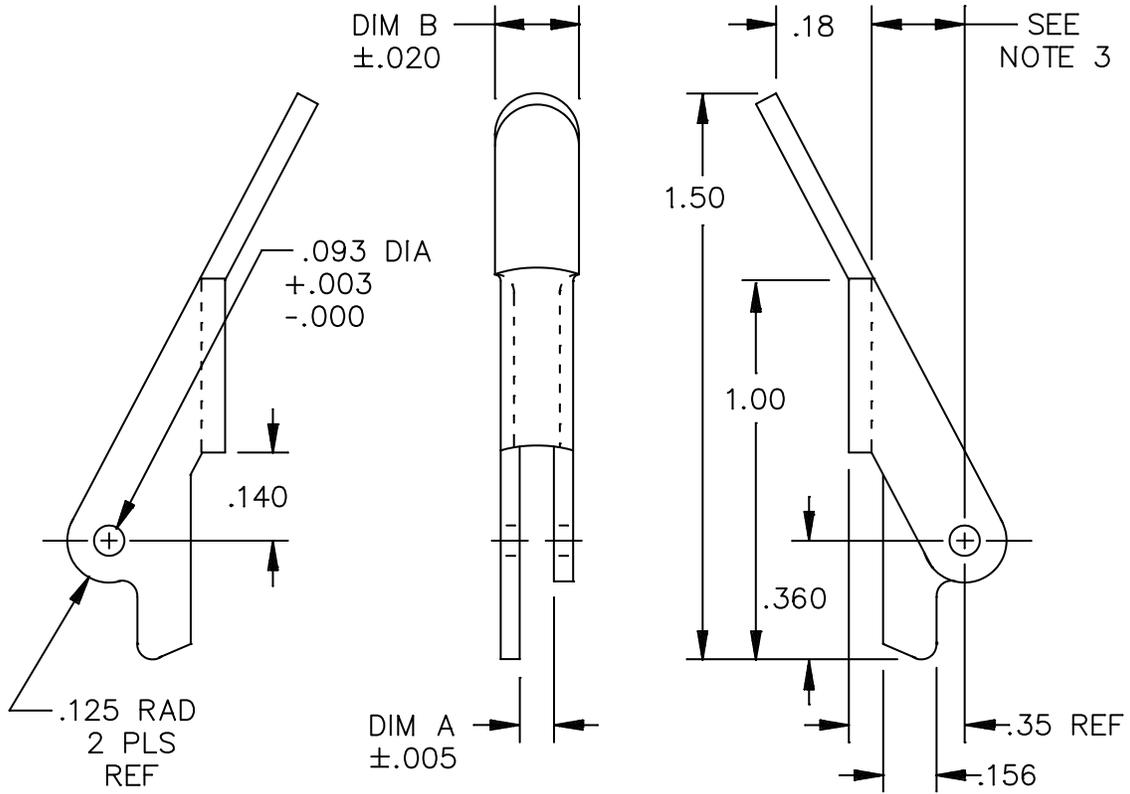


Inches	mm								
.003	0.08	.020	0.51	.093	2.36	.156	3.96	.360	9.14
.005	0.13	.035	0.89	.125	3.18	.18	4.57	1.00	25.4
				.140	3.56	.35	8.89	1.50	38.1

NOTES:

1. Dimensions are in inches. Millimeter equivalents are given for general information only.
2. Unless otherwise specified, tolerances are ± 0.02 inch (0.51 mm) for two place decimals and ± 0.010 inch (0.25 mm) for three place decimals.
3. Depth dimension is .29 inch (7.4 mm) for extractors from CAGE 5GB68 and CAGE 61081.

FIGURE 5. Configuration Q dimensions (right hand with bent leg).



BOARD EDGE VIEW

Inches	mm								
.003	0.08	.020	0.51	.125	3.18	.156	3.96	.360	9.14
.005	0.13	.093	2.36	.140	3.56	.18	4.57	1.00	25.4
						.35	8.89	1.50	38.1

NOTES:

1. Dimensions are in inches. Millimeter equivalents are given for general information only.
2. Unless otherwise specified, tolerances are ±.02 inch (0.51 mm) for two place decimals and ±.010 inch (0.25 mm) for three place decimals.
3. Depth dimension is .29 inch (7.4 mm) for extractors from CAGE 5GB68 and CAGE 61081.

FIGURE 6. Configuration R dimensions (right hand).

APPLICATION DATA.

Extractor orientation with circuit card assembly printed board. Figures 7 and 8 show the extractor mounted to a circuit card assembly and installed into a locking card guide from different views. Figure 7 depicts one straight on and two angled views of a right hand extractor fastened to the printed board of a circuit card assembly. Figure 8 depicts a right side view of a circuit card assembly with a right hand extractor fastened to the printed board.

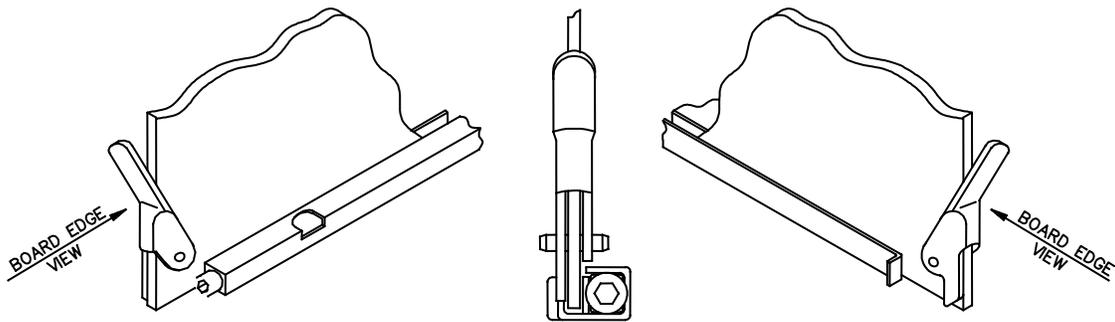


FIGURE 7. Extractor fastened to circuit card assembly (right hand extractor shown).

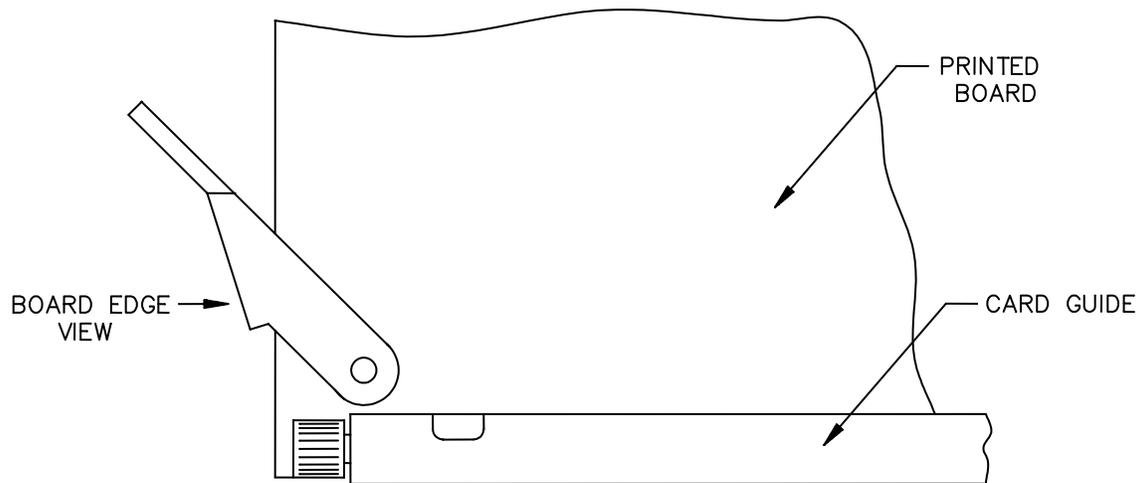
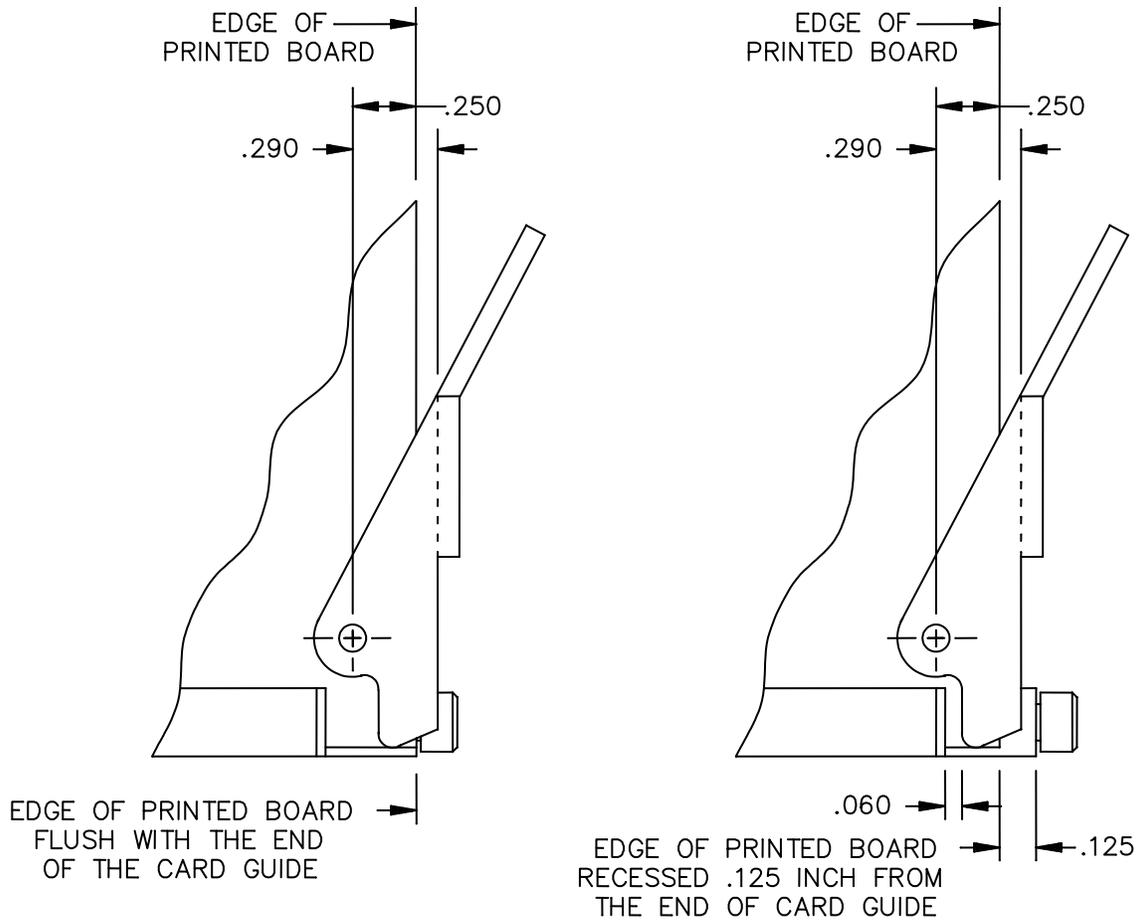


FIGURE 8. Circuit card assembly to card guide view (right hand extractor shown).

Circuit card positioning in relation to actuating surface. Two positions of a circuit card assembly edge to a locking card guide when seated in the connector are shown on figure 9. The circuit card assembly is ejected from its installed position by lever action of the extractor against the tab on a locking card guide (shown) or actuating surface of a card cage. The extractor will allow .030 inch (0.8 mm) over travel for tolerance take-up. Two extractors mounted on each circuit card assembly is recommended.



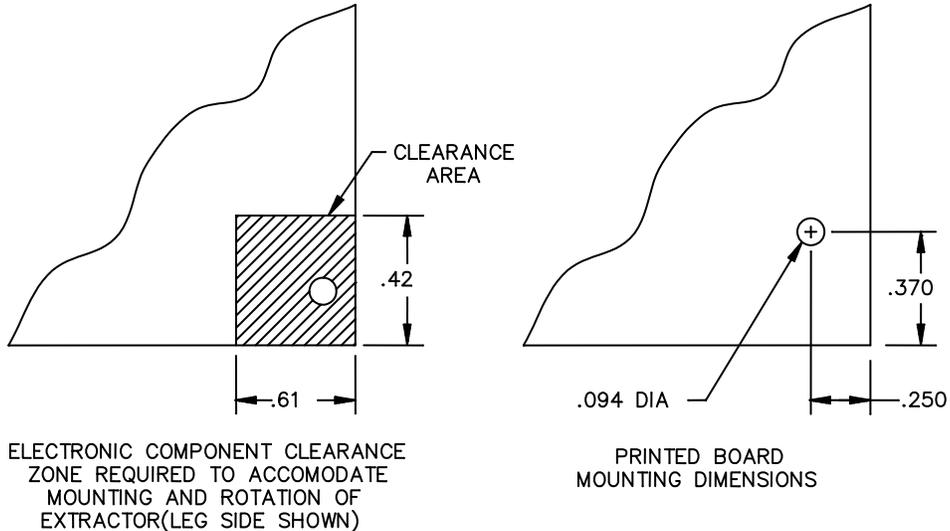
Inches	mm	Inches	mm	Inches	mm	Inches	mm
.060	1.52	.125	3.18	.250	6.35	.290	7.37

NOTES:

1. Dimensions are in inches. Millimeter equivalents are given for general information only.
2. Unless otherwise specified, tolerances are $\pm .02$ inch (0.51 mm) for two place decimals and $\pm .010$ inch (0.25 mm) for three place decimals.

FIGURE 9. Circuit card assembly to locking card guide dimensions (right hand extractor shown).

Circuit card assembly printed board. The circuit card assembly should be designed so that electronic components on the printed board in the area around the extractor mounting hole have sufficient clearance for extractor rotation as shown on figure 10.



Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
.094	2.39	.250	6.35	.370	9.40	.42	10.67	.61	15.49

NOTES:

1. Dimensions are in inches. Millimeter equivalents are given for general information only.
2. Unless otherwise specified, tolerances are ± 0.02 inch (0.51 mm) for two place decimals and ± 0.010 inch (0.25 mm) for three place decimals.

FIGURE 10. Printed board clearance zone and mounting hole dimensions.

NOTES.

PIN. The PIN should be used for Government purposes to buy commercial products to this CID specification sheet. See the classification section for PIN format example.

Source of documents.

Commercial Item Description

[A-A-59832](#) – Extractor, Electrical Card, Metal, General Requirements For.

(Copies of these documents are available online at <http://quicksearch.dla.mil>.)

Ordering data. Ordering data is as specified in [A-A-59832](#).

Commercial products. As part of the market analysis and research effort, this CID specification sheet was coordinated with the following manufacturers of commercial products. At the time of CID specification sheet preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID specification sheet. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown.)

<u>Manufacturer CAGE</u>	<u>Manufacturer name and address</u>	<u>Manufacturer contact information</u>	
5BG68	American Circuit Card Retainers, Inc. 2310 E. Orangethorpe Avenue Anaheim, CA 92806-1231	Telephone: (714) 738-6194 Facsimile: (714) 446-0119 E-mail: sales@accrmfg.com URL: www.accrmfg.com	
61081	Schroff – A Division of Pentair Equipment and Electronics Protection 7328 Trade Street San Diego, CA 92121-3410	Telephone: (800) 854-7086 Facsimile: (858) 740-2430 E-mail: schroff.us@pentair.com URL: http://www.pentairprotect.com	

Part number (P/N) supersession data. This CID specification sheet PINs supersedes the following manufacturer's P/Ns as shown in tables IV, V, and VI. This CID specification sheet PINs also supersedes those DESC Drawing 84191 PINs as shown in table VII. This information is being provided to assist in reducing proliferation in the Government inventory system.

TABLE IV. Commercial part number supersession data for aluminum alloy 6061 extractors.

PIN designator AA59832/05	Vendor similar designator or type part number <u>1/ 2/</u>			
	CAGE 5BG68	CAGE 61081	CAGE	CAGE
K11AR	1119A-1LRAE	71T6-1-L-1-E		
K21AR	1119A-2LRAE	71T6-2-L-1-E		
K31AR	1119A-3LRAE	71T6-3-L-1-E		
K41AR	1119A-4LRAE	71T6-4-L-1-E		
K51AR	1119A-5LRAE	71T6-5-L-1-E		
K11LG	1119A-1LCGE	71T6-1-L-E		
K21LG	1119A-2LCGE	71T6-2-L-E		
K31LG	1119A-3LCGE	71T6-3-L-E		
K41LG	1119A-4LCGE	71T6-4-L-E		
K51LG	1119A-5LCGE	71T6-5-L-E		
L11AR	1119A-1LRA	71T6-1-L-1		
L21AR	1119A-2LRA	71T6-2-L-1		
L31AR	1119A-3LRA	71T6-3-L-1		
L41AR	1119A-4LRA	71T6-4-L-1		
L51AR	1119A-5LRA	71T6-5-L-1		
L11LG	1119A-1LCG	71T6-1-L		
L21LG	1119A-2LCG	71T6-2-L		
L31LG	1119A-3LCG	71T6-3-L		
L41LG	1119A-4LCG	71T6-4-L		
L51LG	1119A-5LCG	71T6-5-L		

See footnotes at end of table.

TABLE IV. Commercial part number supersession data for aluminum alloy 6061 extractors – Continued.

PIN designator AA59832/05	Vendor similar designator or type part number 1/ 2/			
	CAGE 5BG68	CAGE 61081	CAGE	CAGE
M11AR	1119A-1LRAD	71T6-1-L-1-BL		
M21AR	1119A-2LRAD	71T6-2-L-1-BL		
M31AR	1119A-3LRAD	71T6-3-L-1-BL		
M41AR	1119A-4LRAD	71T6-4-L-1-BL		
M51AR	1119A-5LRAD	71T6-5-L-1-BL		
M11LG	1119A-1LCGD	71T6-1-L-BL		
M21LG	1119A-2LCGD	71T6-2-L-BL		
M31LG	1119A-3LCGD	71T6-3-L-BL		
M41LG	1119A-4LCGD	71T6-4-L-BL		
M51LG	1119A-5LCGD	71T6-5-L-BL		
N11AR	1119A-1LRADE	71T6-1-L-1-BL-E		
N21AR	1119A-2LRADE	71T6-2-L-1-BL-E		
N31AR	1119A-3LRADE	71T6-3-L-1-BL-E		
N41AR	1119A-4LRADE	71T6-4-L-1-BL-E		
N51AR	1119A-5LRADE	71T6-5-L-1-BL-E		
N11LG	1119A-1LCGDE	71T6-1-L-BL-E		
N21LG	1119A-2LCGDE	71T6-2-L-BL-E		
N31LG	1119A-3LCGDE	71T6-3-L-BL-E		
N41LG	1119A-4LCGDE	71T6-4-L-BL-E		
N51LG	1119A-5LCGDE	71T6-5-L-BL-E		
P11AR	1119A-1RRADE	71T6-1-R-1-BL-E		
P21AR	1119A-2RRADE	71T6-2-R-1-BL-E		
P31AR	1119A-3RRADE	71T6-3-R-1-BL-E		
P41AR	1119A-4RRADE	71T6-4-R-1-BL-E		
P51AR	1119A-5RRADE	71T6-5-R-1-BL-E		
P11LG	1119A-1RCGDE	71T6-1-R-BL-E		
P21LG	1119A-2RCGDE	71T6-2-R-BL-E		
P31LG	1119A-3RCGDE	71T6-3-R-BL-E		
P41LG	1119A-4RCGDE	71T6-4-R-BL-E		
P51LG	1119A-5RCGDE	71T6-5-R-BL-E		
Q11AR	1119A-1RRAD	71T6-1-R-1-BL		
Q21AR	1119A-2RRAD	71T6-2-R-1-BL		
Q31AR	1119A-3RRAD	71T6-3-R-1-BL		
Q41AR	1119A-4RRAD	71T6-4-R-1-BL		
Q51AR	1119A-5RRAD	71T6-5-R-1-BL		

See footnotes at end of table.

TABLE IV. Commercial part number supersession data for aluminum alloy 6061 extractors – Continued.

PIN designator AA59832/05	Vendor similar designator or type part number <u>1/</u> <u>2/</u>			
	CAGE 5BG68	CAGE 61081	CAGE	CAGE
Q11LG	1119A-1RCGD	71T6-1-R-BL		
Q21LG	1119A-2RCGD	71T6-2-R-BL		
Q31LG	1119A-3RCGD	71T6-3-R-BL		
Q41LG	1119A-4RCGD	71T6-4-R-BL		
Q51LG	1119A-5RCGD	71T6-5-R-BL		
R11AR	1119A-1RRA	71T6-1-R-1		
R21AR	1119A-2RRA	71T6-2-R-1		
R31AR	1119A-3RRA	71T6-3-R-1		
R41AR	1119A-4RRA	71T6-4-R-1		
R51AR	1119A-5RRA	71T6-5-R-1		
R11LG	1119A-1RCG	71T6-1-R		
R21LG	1119A-2RCG	71T6-2-R		
R31LG	1119A-3RCG	71T6-3-R		
R41LG	1119A-4RCG	71T6-4-R		
R51LG	1119A-5RCG	71T6-5-R		
S11AR	1119A-1RRAE	71T6-1-R-1-E		
S21AR	1119A-2RRAE	71T6-2-R-1-E		
S31AR	1119A-3RRAE	71T6-3-R-1-E		
S41AR	1119A-4RRAE	71T6-4-R-1-E		
S51AR	1119A-5RRAE	71T6-5-R-1-E		
S11LG	1119A-1RCGE	71T6-1-R-E		
S21LG	1119A-2RCGE	71T6-2-R-E		
S31LG	1119A-3RCGE	71T6-3-R-E		
S41LG	1119A-4RCGE	71T6-4-R-E		
S51LG	1119A-5RCGE	71T6-5-R-E		

- 1/ The manufacturer's P/N shall not be used for procurement to the requirements of this CID specification sheet. At the time of preparation of this CID specification sheet, the aforementioned commercial products were reviewed and could be replaced by the CID PIN shown. For actual part marking requirements, see the marking paragraph in [A-A-59832](#).
- 2/ The PINs listed are for gold low resistance chemical film (CID finish and color codes LG) or red anodize (CID finish and color codes AR). Low resistance chemical film is also available in clear (CID finish and color codes LC). See [table III](#) for the finish codes for the other 9 anodize colors available.

TABLE V. Commercial part number supersession data for aluminum alloy 5032 extractors.

PIN designator AA59832/05	Vendor similar designator or type part number 1/ 2/			
	CAGE 5BG68	CAGE 61081	CAGE	CAGE
K12AB	1109A-1LBAE	71-1-L-5-E		
K22AB	1109A-2LBAE	71-2-L-5-E		
K32AB	1109A-3LBAE	71-3-L-5-E		
K42AB	1109A-4LBAE	71-4-L-5-E		
K52AB	1109A-5LBAE	71-5-L-5-E		
K12LC	1109A-1LCCE	71-1-L-CC-E		
K22LC	1109A-2LCCE	71-2-L-CC-E		
K32LC	1109A-3LCCE	71-3-L-CC-E		
K42LC	1109A-4LCCE	71-4-L-CC-E		
K52LC	1109A-5LCCE	71-5-L-CC-E		
L12AB	1109A-1LBA	71-1-L-5		
L22AB	1109A-2LBA	71-2-L-5		
L32AB	1109A-3LBA	71-3-L-5		
L42AB	1109A-4LBA	71-4-L-5		
L52AB	1109A-5LBA	71-5-L-5		
L12LC	1109A-1LCC	71-1-L-CC		
L22LC	1109A-2LCC	71-2-L-CC		
L32LC	1109A-3LCC	71-3-L-CC		
L42LC	1109A-4LCC	71-4-L-CC		
L52LC	1109A-5LCC	71-5-L-CC		
M12AB	1109A-1LBAD	71-1-L-5-BL		
M22AB	1109A-2LBAD	71-2-L-5-BL		
M32AB	1109A-3LBAD	71-3-L-5-BL		
M42AB	1109A-4LBAD	71-4-L-5-BL		
M52AB	1109A-5LBAD	71-5-L-5-BL		
M12LC	1109A-1LCCD	71-1-L-CC-BL		
M22LC	1109A-2LCCD	71-2-L-CC-BL		
M32LC	1109A-3LCCD	71-3-L-CC-BL		
M42LC	1109A-4LCCD	71-4-L-CC-BL		
M52LC	1109A-5LCCD	71-5-L-CC-BL		
N12AB	1109A-1LBADE	71-1-L-5-BL-E		
N22AB	1109A-2LBADE	71-2-L-5-BL-E		
N32AB	1109A-3LBADE	71-3-L-5-BL-E		
N42AB	1109A-4LBADE	71-4-L-5-BL-E		
N52AB	1109A-5LBADE	71-5-L-5-BL-E		

See footnotes at end of table.

TABLE V. Commercial part number supersession data for aluminum alloy 5032 extractors – Continued.

PIN designator AA59832/05	Vendor similar designator or type part number 1/ 2/			
	CAGE 5BG68	CAGE 61081	CAGE	CAGE
N12LC	1109A-1LCCDE	71-1-L-CC-BL-E		
N22LC	1109A-2LCCDE	71-2-L-CC-BL-E		
N32LC	1109A-3LCCDE	71-3-L-CC-BL-E		
N42LC	1109A-4LCCDE	71-4-L-CC-BL-E		
N52LC	1109A-5LCCDE	71-5-L-CC-BL-E		
P12AB	1109A-1RBADE	71-1-R-5-BL-E		
P22AB	1109A-2RBADE	71-2-R-5-BL-E		
P32AB	1109A-3RBADE	71-3-R-5-BL-E		
P42AB	1109A-4RBADE	71-4-R-5-BL-E		
P52AB	1109A-5RBADE	71-5-R-5-BL-E		
P12LC	1109A-1RCCDE	71-1-R-CC-BL-E		
P22LC	1109A-2RCCDE	71-2-R-CC-BL-E		
P32LC	1109A-3RCCDE	71-3-R-CC-BL-E		
P42LC	1109A-4RCCDE	71-4-R-CC-BL-E		
P52LC	1109A-5RCCDE	71-5-R-CC-BL-E		
Q12AB	1109A-1RBAD	71-1-R-5-BL		
Q22AB	1109A-2RBAD	71-2-R-5-BL		
Q32AB	1109A-3RBAD	71-3-R-5-BL		
Q42AB	1109A-4RBAD	71-4-R-5-BL		
Q52AB	1109A-5RBAD	71-5-R-5-BL		
Q12LC	1109A-1RCCD	71-1-R-CC-BL		
Q22LC	1109A-2RCCD	71-2-R-CC-BL		
Q32LC	1109A-3RCCD	71-3-R-CC-BL		
Q42LC	1109A-4RCCD	71-4-R-CC-BL		
Q52LC	1109A-5RCCD	71-5-R-CC-BL		
R12AB	1109A-1RBA	71-1-R-5		
R22AB	1109A-2RBA	71-2-R-5		
R32AB	1109A-3RBA	71-3-R-5		
R42AB	1109A-4RBA	71-4-R-5		
R52AB	1109A-5RBA	71-5-R-5		
R12LC	1109A-1RCC	71-1-R-CC		
R22LC	1109A-2RCC	71-2-R-CC		
R32LC	1109A-3RCC	71-3-R-CC		
R42LC	1109A-4RCC	71-4-R-CC		
R52LC	1109A-5RCC	71-5-R-CC		

See footnotes at end of table.

TABLE V. Commercial part number supersession data for aluminum alloy 5032 extractors – Continued.

PIN designator AA59832/05	Vendor similar designator or type part number <u>1/</u> <u>2/</u>			
	CAGE 5BG68	CAGE 61081	CAGE	CAGE
S12AB	1109A-1RBAE	71-1-R-5-E		
S22AB	1109A-2RBAE	71-2-R-5-E		
S32AB	1109A-3RBAE	71-3-R-5-E		
S42AB	1109A-4RBAE	71-4-R-5-E		
S52AB	1109A-5RBAE	71-5-R-5-E		
S12LC	1109A-1RCCE	71-1-R-CC-E		
S22LC	1109A-2RCCE	71-2-R-CC-E		
S32LC	1109A-3RCCE	71-3-R-CC-E		
S42LC	1109A-4RCCE	71-4-R-CC-E		
S52LC	1109A-5RCCE	71-5-R-CC-E		

1/ The manufacturer's P/N shall not be used for procurement to the requirements of this CID specification sheet. At the time of preparation of this CID specification sheet, the aforementioned commercial products were reviewed and could be replaced by the CID PIN shown. For actual part marking requirements, see the marking paragraph in [A-A-59832](#).

2/ The PINs listed are for clear low resistance chemical film (CID finish and color codes LC) or black anodize (CID finish and color codes AB). Low resistance chemical film is also available in gold (CID finish codes LG). See [table III](#) for the finish codes for the other 9 anodize colors available.

TABLE VI. Commercial part number supersession data for stainless steel extractors.

PIN designator AA59832/05	Vendor similar designator or type part number <u>1/</u> <u>2/</u>			
	CAGE 5BG68	CAGE 61081	CAGE	CAGE
K27PC	1129A-2LE	71CR-2-L-E		
K37PC	1129A-3LE	71CR-3-L-E		
K47PC	1129A-4LE			
K57PC	1129A-5LE			
L27PC	1129A-2L	71CR-2-L		
L37PC	1129A-3L	71CR-3-L		
L47PC	1129A-4L			
L57PC	1129A-5L			
M27PC	1129A-2LD	71CR-2-L-BL		
M37PC	1129A-3LD	71CR-3-L-BL		
M47PC	1129A-4LD			
M57PC	1129A-5LD			

See footnotes at end of table.

TABLE VI. Commercial part number supersession data for stainless steel extractors – Continued.

PIN designator AA59832/05	Vendor similar designator or type part number <u>1/</u> <u>2/</u>			
	CAGE 5BG68	CAGE 61081	CAGE	CAGE
N27PC	1129A-2LDE	71CR-2-L-BL-E		
N37PC	1129A-3LDE	71CR-3-L-BL-E		
N47PC	1129A-4LDE			
N57PC	1129A-5LDE			
P27PC	1129A-2RDE	71CR-2-R-BL-E		
P37PC	1129A-3RDE	71CR-3-R-BL-E		
P47PC	1129A-4RDE			
P57PC	1129A-5RDE			
Q27PC	1129A-2RD	71CR-2-R-BL		
Q37PC	1129A-3RD	71CR-3-R-BL		
Q47PC	1129A-4RD			
Q57PC	1129A-5RD			
R27PC	1129A-2R	71CR-2-R		
R37PC	1129A-3R	71CR-3-R		
R47PC	1129A-4R			
R57PC	1129A-5R			
S27PC	1129A-2RE	71CR-2-R-E		
S37PC	1129A-3RE	71CR-3-R-E		
S47PC	1129A-4RE			
S57PC	1129A-5RE			

1/ The manufacturer's P/N shall not be used for procurement to the requirements of this CID specification sheet. At the time of preparation of this CID specification sheet, the aforementioned commercial products were reviewed and could be replaced by the CID PIN shown. For actual part marking requirements, see the marking paragraph in [A-A-59832](#).

2/ The PINs listed are for passivation treatment (CID finish and color codes PC).

TABLE VII. Supersession information.

Superseded (old) PIN in accordance with DESC Drawing 84191	Superseding (new) CID PIN	Superseded (old) PIN in accordance with DESC Drawing 84191	Superseding (new) CID PIN
84191-01ET	AA59832/05K11LG	84191-02ET	AA59832/05S11LG
84191-01EA	AA59832/05K12LG	84191-02EA	AA59832/05S12LG
84191-01PS	AA59832/05L17PC	84191-02PS	AA59832/05R17PC
84191-01CT	AA59832/05L11LG	84191-02CT	AA59832/05R11LG
84191-01CA	AA59832/05L12LG	84191-02CA	AA59832/05R12LG
84191-01*T 1/	AA59832/05L11A# 2/	84191-02*T 1/	AA59832/05R11A# 2/
84191-01*A 1/	AA59832/05L12A# 2/	84191-02*A 1/	AA59832/05R12A# 2/
84191-01CTBL	AA59832/05M11LG	84191-02CTBL	AA59832/05Q11LG
84191-01CABL	AA59832/05M12LG	84191-02CABL	AA59832/05Q12LG
84191-01*TBL 1/	AA59832/05M11A# 2/	84191-02*TBL 1/	AA59832/05Q11A# 2/
84191-01*ABL 1/	AA59832/05M12A# 2/	84191-02*ABL 1/	AA59832/05Q12A# 2/
84191-01PSBL	AA59832/05M17PC	84191-02PSBL	AA59832/05Q17PC
84191-01ETBL	AA59832/05N11LG	84191-02ETBL	AA59832/05P11LG
84191-01EABL	AA59832/05N12LG	84191-02EABL	AA59832/05P12LG
84191-03ET	AA59832/05K21LG	84191-04ET	AA59832/05S21LG
84191-03EA	AA59832/05K22LG	84191-04EA	AA59832/05S22LG
84191-03PS	AA59832/05L27PC	84191-04PS	AA59832/05R27PC
84191-03CT	AA59832/05L21LG	84191-04CT	AA59832/05R21LG
84191-03CA	AA59832/05L22LG	84191-04CA	AA59832/05R22LG
84191-03*T 1/	AA59832/05L21A# 2/	84191-04*T 1/	AA59832/05R21A# 2/
84191-03*A 1/	AA59832/05L22A# 2/	84191-04*A 1/	AA59832/05R22A# 2/
84191-03CTBL	AA59832/05M21LG	84191-04CTBL	AA59832/05Q21LG
84191-03CABL	AA59832/05M22LG	84191-04CABL	AA59832/05Q22LG
84191-03*TBL 1/	AA59832/05M21A# 2/	84191-04*TBL 1/	AA59832/05Q21A# 2/
84191-03*ABL 1/	AA59832/05M22A# 2/	84191-04*ABL 1/	AA59832/05Q22A# 2/
84191-03PSBL	AA59832/05M27PC	84191-04PSBL	AA59832/05Q27PC
84191-03ETBL	AA59832/05N21LG	84191-04ETBL	AA59832/05P21LG
84191-03EABL	AA59832/05N22LG	84191-04EABL	AA59832/05P22LG

See footnotes at end of table.

TABLE VII. Supersession information – Continued.

Superseded (old) PIN in accordance with DESC Drawing 84191	Superseding (new) CID PIN	Superseded (old) PIN in accordance with DESC Drawing 84191	Superseding (new) CID PIN
84191-05ET	AA59832/05K31LG	84191-06ET	AA59832/05S31LG
84191-05EA	AA59832/05K32LG	84191-06EA	AA59832/05S32LG
84191-05PS	AA59832/05L37PC	84191-06PS	AA59832/05R37PC
84191-05CT	AA59832/05L31LG	84191-06CT	AA59832/05R31LG
84191-05CA	AA59832/05L32LG	84191-06CA	AA59832/05R32LG
84191-05*T 1/	AA59832/05L31A# 2/	84191-06*T 1/	AA59832/05R31A# 2/
84191-05*A 1/	AA59832/05L32A# 2/	84191-06*A 1/	AA59832/05R32A# 2/
84191-05CTBL	AA59832/05M31LG	84191-06CTBL	AA59832/05Q31LG
84191-05CABL	AA59832/05M32LG	84191-06CABL	AA59832/05Q32LG
84191-05*TBL 1/	AA59832/05M31A# 2/	84191-06*TBL 1/	AA59832/05Q31A# 2/
84191-05*ABL 1/	AA59832/05M32A# 2/	84191-06*ABL 1/	AA59832/05Q32A# 2/
84191-05PSBL	AA59832/05M37PC	84191-06PSBL	AA59832/05Q37PC
84191-05ETBL	AA59832/05N31LG	84191-06ETBL	AA59832/05P31LG
84191-05EABL	AA59832/05N32LG	84191-06EABL	AA59832/05P32LG
84191-07ET	AA59832/05K41LG	84191-08ET	AA59832/05S41LG
84191-07EA	AA59832/05K42LG	84191-08EA	AA59832/05S42LG
84191-07PS	AA59832/05L47PC	84191-08PS	AA59832/05R47PC
84191-07CT	AA59832/05L41LG	84191-08CT	AA59832/05R41LG
84191-07CA	AA59832/05L42LG	84191-08CA	AA59832/05R42LG
84191-07*T 1/	AA59832/05L41A# 2/	84191-08*T 1/	AA59832/05R41A# 2/
84191-07*A 1/	AA59832/05L42A# 2/	84191-08*A 1/	AA59832/05R42A# 2/
84191-07CTBL	AA59832/05M41LG	84191-08TBL	AA59832/05Q41LG
84191-07CABL	AA59832/05M42LG	84191-08CABL	AA59832/05Q42LG
84191-07*TBL 1/	AA59832/05M41A# 2/	84191-08*TBL 1/	AA59832/05Q41A# 2/
84191-07*ABL 1/	AA59832/05M42A# 2/	84191-08*ABL 1/	AA59832/05Q42A# 2/
84191-07PSBL	AA59832/05M47PC	84191-08PSBL	AA59832/05Q47PC
84191-07ETBL	AA59832/05N41LG	84191-08ETBL	AA59832/05P41LG
84191-07EABL	AA59832/05N42LG	84191-08EABL	AA59832/05P42LG

See footnotes at end of table.

TABLE VII. Supersession information – Continued.

Superseded (old) PIN in accordance with DESC Drawing 84191	Superseding (new) CID PIN	Superseded (old) PIN in accordance with DESC Drawing 84191	Superseding (new) CID PIN
84191-33ET	AA59832/05K51LG	84191-34ET	AA59832/05S51LG
84191-33EA	AA59832/05K52LG	84191-34EA	AA59832/05S52LG
84191-33PS	AA59832/05L57PC	84191-34PS	AA59832/05R57PC
84191-33CT	AA59832/05L51LG	84191-34CT	AA59832/05R51LG
84191-33CA	AA59832/05L52LG	84191-34CA	AA59832/05R52LG
84191-33*T <u>1/</u>	AA59832/05L51A# <u>2/</u>	84191-34*T <u>1/</u>	AA59832/05R51A# <u>2/</u>
84191-33*A <u>1/</u>	AA59832/05L52A# <u>2/</u>	84191-34*A <u>1/</u>	AA59832/05R52A# <u>2/</u>
84191-33CTBL	AA59832/05M51LG	84191-34CTBL	AA59832/05Q51LG
84191-33CABL	AA59832/05M52LG	84191-34CABL	AA59832/05Q52LG
84191-33*TBL <u>1/</u>	AA59832/05M51A# <u>2/</u>	84191-34*TBL <u>1/</u>	AA59832/05Q51A# <u>2/</u>
84191-33*ABL <u>1/</u>	AA59832/05M52A# <u>2/</u>	84191-34*ABL <u>1/</u>	AA59832/05Q52A# <u>2/</u>
84191-33PSBL	AA59832/05M57PC	84191-34PSBL	AA59832/05Q57PC
84191-33ETBL	AA59832/05N51LG	84191-34ETBL	AA59832/05P51LG
84191-33EABL	AA59832/05N52LG	84191-34EABL	AA59832/05P52LG

1/ The asterisk "*" denotes the anodize aluminum finish colors for DESC Drawing 84191.

2/ The pound-sign "#" denotes the anodize aluminum finish colors of [table III](#) herein.

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

MILITARY INTERESTS:

Custodians:

Army – CR
Navy – EC
Air Force – 85
DLA – CC

Review Activity:

Air Force – 99

CIVIL AGENCY COORDINATING ACTIVITY:

GSA – FAS

Preparing Activity:
DLA – CC

Project: 5998-2014-013

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.