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LOC

DIST

REV

PER

ECO

15-006633

DATE

5-11-15

DWN

CT

APVD

DM

1. THIS CONNECTOR ASSEMBLY IS SUPPLIED WITH METAL CONTACT RETENTION CLIPS INSTALLED IN THE INSERT ASSEMBLY.

2. THIS CONNECTOR ASSEMBLY MEETS THE REQUIREMENTS OF LORAL SPEC 010772 AND MATES WITH ANY RECEPTACLE CONNECTOR WITH SAME INSERT ARRANGEMENT.

3. MARK WITH .047 [1.19]–.062 [1.57] HIGH CHARACTERS. FAR SIDE REFERS TO THE WIDE SIDE OF THE KEYSTONE. NEAR SIDE REFERS TO THE NARROW SIDE OF THE KEYSTONE. IF THE REAR SHELL IS TOO SMALL FOR THE ENTIRE CUSTOMER PART NUMBER, MARKING SHALL BE LOCATED AS FOLLOWS:

A. "B010772" ON FRONT SHELL, FAR SIDE.

B. CUSTOMER BASE NUMBER ON FRONT SHELL, NEAR SIDE.

C. "AMP" AND DATE CODE ON FRONT SHELL, NEAR SIDE.

D. AMP PART NUMBER ON REAR SHELL, NEAR SIDE.

4. DIMENSIONS ARE .155 [3.94] MINIMUM FULL PIN DIAMETER EXTENSION (SIZES 3 THRU 6) AND .164 [4.17] MINIMUM FULL PIN DIAMETER EXTENTION (SIZES 1 AND 2).

5. MAXIMUM WIRE INSULATION TO BE USED WITH THIS CONNECTOR ASSEMBLY IS .072 [1.83] DIAMETER.

6. FOR CONTACT CRIMPING INSTRUCTION SHEET REFER TO AMP IS 7516. FOR CONTACT INSTALLATION AND REMOVAL INSTRUCTION SHEET REFER TO AMP IS 7508.

7. DIMENSIONS AND TOLERANCES PER ANSI Y14.5M-1982.

8. THIS DRAWING SHALL BE INTERPRETED IN ACCORDANCE WITH APPLICABLE STANDARDS LISTED IN MIL-STD-100.

|                                           |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                         |             |              |
|-------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------|--------------|
| PRELIMINARY — NOT RELEASED FOR PRODUCTION | .040<br>.020 [ 1.02<br>0.51 ]     | .432<br>.412 [ 10.97<br>10.46 ]   | 1.093<br>1.073 [ 27.76<br>27.25 ] | .241<br>.229 [ 6.12<br>5.82 ]     | .432<br>.412 [ 10.97<br>10.46 ]   | .509<br>.479 [ 12.93<br>12.17 ]   | .334<br>.324 [ 8.48<br>8.23 ]     | 1.317<br>1.307 [ 33.45<br>33.20 ] | .999<br>.989 [ 25.37<br>25.12 ]   | 1.556<br>1.526 [ 39.52<br>38.76 ] | MS18274-1                         | 15                                | 2                                 | B010772-0044            | 3-448815-2  | 3-448815-2   |
| PRELIMINARY — NOT RELEASED FOR PRODUCTION | .049<br>.029 [ 1.24<br>0.74 ]     | .544<br>.524 [ 13.82<br>13.31 ]   | 2.188<br>2.168 [ 55.58<br>55.07 ] | .236<br>.224 [ 5.99<br>5.69 ]     | .436<br>.416 [ 11.07<br>10.57 ]   | .620<br>.590 [ 15.75<br>14.99 ]   | .441<br>.431 [ 11.20<br>10.95 ]   | 2.411<br>2.401 [ 61.24<br>60.99 ] | 2.084<br>2.074 [ 52.93<br>52.68 ] | 2.650<br>2.620 [ 67.31<br>66.55 ] | MS18277-1                         | 50                                | 5                                 | B010772-0031            | 1-448815-5  | 1-448815-5   |
|                                           |                                   | .432<br>.412 [ 10.97<br>10.46 ]   | 1.635<br>2.262 [ 41.53<br>57.45 ] |                                   |                                   |                                   |                                   | .509<br>.479 [ 12.93<br>12.17 ]   | .334<br>.324 [ 8.48<br>8.23 ]     | 2.505<br>2.495 [ 63.63<br>63.37 ] | 2.187<br>2.177 [ 55.55<br>55.30 ] | 2.744<br>2.714 [ 69.70<br>68.94 ] | MS18276-1                         | 37                      | 4           | B010772-0029 |
|                                           | 1.093<br>1.615 [ 27.76<br>41.02 ] |                                   | 1.857<br>1.847 [ 47.17<br>46.91 ] | 1.539<br>1.529 [ 39.09<br>38.84 ] | 2.103<br>2.073 [ 53.42<br>52.65 ] | MS18275-1                         | 25                                |                                   |                                   | 3                                 | B010772-0027                      | 1-448815-3                        | 1-448815-3                        |                         |             |              |
|                                           | 1.073<br>.769 [ 27.25<br>19.53 ]  |                                   | 1.317<br>1.307 [ 33.45<br>33.20 ] | .999<br>.989 [ 25.37<br>25.12 ]   | 1.556<br>1.526 [ 39.52<br>38.76 ] | MS18274-1                         | 15                                |                                   |                                   | 2                                 | B010772-0025                      | 1-448815-2                        | 1-448815-2                        |                         |             |              |
|                                           | .040<br>.020 [ 1.02<br>0.51 ]     | .749 [ 19.02 ]                    | .241<br>.229 [ 6.12<br>5.82 ]     | .432<br>.412 [ 10.97<br>10.46 ]   | .620<br>.590 [ 15.75<br>14.99 ]   | .441<br>.431 [ 11.20<br>10.95 ]   | 2.411<br>2.401 [ 61.24<br>60.99 ] | 2.084<br>2.074 [ 52.93<br>52.68 ] | 2.650<br>2.620 [ 67.31<br>66.55 ] | MS18273-1                         | 9                                 | 1                                 | B010772-0023                      | 1-448815-1              | 1-448815-1  |              |
|                                           |                                   | .049<br>.029 [ 1.24<br>0.74 ]     |                                   |                                   |                                   |                                   | .544<br>.524 [ 13.82<br>13.31 ]   | 2.188<br>2.168 [ 55.58<br>55.07 ] | .236<br>.224 [ 5.99<br>5.69 ]     | .436<br>.416 [ 11.07<br>10.57 ]   | 2.505<br>2.495 [ 63.63<br>63.37 ] | 2.187<br>2.177 [ 55.55<br>55.30 ] | 2.744<br>2.714 [ 69.70<br>68.94 ] | MS18277-1               | 50          | 5            |
|                                           | .432<br>.412 [ 10.97<br>10.46 ]   |                                   | 1.635<br>2.262 [ 41.53<br>57.45 ] | .509<br>.479 [ 12.93<br>12.17 ]   | .334<br>.324 [ 8.48<br>8.23 ]     | 1.857<br>1.847 [ 47.17<br>46.91 ] | 1.539<br>1.529 [ 39.09<br>38.84 ] | 2.103<br>2.073 [ 53.42<br>52.65 ] |                                   |                                   | MS18276-1                         | 37                                | 4                                 | A010772-0007            | 448815-9    | 448815-9     |
|                                           |                                   | 1.093<br>.769 [ 27.76<br>19.53 ]  | 1.317<br>1.307 [ 33.45<br>33.20 ] |                                   |                                   | .999<br>.989 [ 25.37<br>25.12 ]   | 1.556<br>1.526 [ 39.52<br>38.76 ] | MS18275-1                         | 25                                | 3                                 | A010772-0005                      | 448815-8                          | 448815-8                          |                         |             |              |
|                                           | .040<br>.020 [ 1.02<br>0.51 ]     | .749 [ 19.02 ]                    | .241<br>.229 [ 6.12<br>5.82 ]     | .432<br>.412 [ 10.97<br>10.46 ]   | .620<br>.590 [ 15.75<br>14.99 ]   | .441<br>.431 [ 11.20<br>10.95 ]   | 2.411<br>2.401 [ 61.24<br>60.99 ] | 2.084<br>2.074 [ 52.93<br>52.68 ] | 2.650<br>2.620 [ 67.31<br>66.55 ] | MS18274-1                         | 15                                | 2                                 | A010772-0003                      | 448815-7                | 448815-7    |              |
|                                           |                                   | .049<br>.029 [ 1.24<br>0.74 ]     |                                   |                                   |                                   |                                   | .544<br>.524 [ 13.82<br>13.31 ]   | 2.188<br>2.168 [ 55.58<br>55.07 ] | .236<br>.224 [ 5.99<br>5.69 ]     | .436<br>.416 [ 11.07<br>10.57 ]   | 2.505<br>2.495 [ 63.63<br>63.37 ] | 2.187<br>2.177 [ 55.55<br>55.30 ] | 2.744<br>2.714 [ 69.70<br>68.94 ] | MS18273-1               | 9           | 1            |
| .432<br>.412 [ 10.97<br>10.46 ]           | 1.635<br>2.262 [ 41.53<br>57.45 ] |                                   | .509<br>.479 [ 12.93<br>12.17 ]   | .334<br>.324 [ 8.48<br>8.23 ]     | 1.857<br>1.847 [ 47.17<br>46.91 ] | 1.539<br>1.529 [ 39.09<br>38.84 ] | 2.103<br>2.073 [ 53.42<br>52.65 ] | MS18277-1                         |                                   |                                   | 50                                | 5                                 | B010772-0009                      | 448815-5                | 448815-5    |              |
|                                           | 1.093<br>.769 [ 27.76<br>19.53 ]  | 1.317<br>1.307 [ 33.45<br>33.20 ] |                                   |                                   | .999<br>.989 [ 25.37<br>25.12 ]   | 1.556<br>1.526 [ 39.52<br>38.76 ] | MS18276-1                         | 37                                | 4                                 | B010772-0007                      | 448815-4                          | 448815-4                          |                                   |                         |             |              |
| .040<br>.020 [ 1.02<br>0.51 ]             | .749 [ 19.02 ]                    | .241<br>.229 [ 6.12<br>5.82 ]     | .432<br>.412 [ 10.97<br>10.46 ]   | .620<br>.590 [ 15.75<br>14.99 ]   | .441<br>.431 [ 11.20<br>10.95 ]   | 2.411<br>2.401 [ 61.24<br>60.99 ] | 2.084<br>2.074 [ 52.93<br>52.68 ] | 2.650<br>2.620 [ 67.31<br>66.55 ] | MS18275-1                         | 25                                | 3                                 | B010772-0005                      | 448815-3                          | 448815-3                |             |              |
|                                           | .049<br>.029 [ 1.24<br>0.74 ]     |                                   |                                   |                                   |                                   | .544<br>.524 [ 13.82<br>13.31 ]   | 2.188<br>2.168 [ 55.58<br>55.07 ] | .236<br>.224 [ 5.99<br>5.69 ]     | .436<br>.416 [ 11.07<br>10.57 ]   | 2.505<br>2.495 [ 63.63<br>63.37 ] | 2.187<br>2.177 [ 55.55<br>55.30 ] | 2.744<br>2.714 [ 69.70<br>68.94 ] | MS18274-1                         | 15                      | 2           | A010772-0003 |
| .432<br>.412 [ 10.97<br>10.46 ]           |                                   | 1.635<br>2.262 [ 41.53<br>57.45 ] | .509<br>.479 [ 12.93<br>12.17 ]   | .334<br>.324 [ 8.48<br>8.23 ]     | 1.857<br>1.847 [ 47.17<br>46.91 ] | 1.539<br>1.529 [ 39.09<br>38.84 ] | 2.103<br>2.073 [ 53.42<br>52.65 ] |                                   |                                   | MS18273-1                         | 9                                 | 1                                 | B010772-0001                      | 448815-1                | 448815-1    |              |
|                                           | 1.093<br>.769 [ 27.76<br>19.53 ]  | 1.317<br>1.307 [ 33.45<br>33.20 ] |                                   |                                   | .999<br>.989 [ 25.37<br>25.12 ]   | 1.556<br>1.526 [ 39.52<br>38.76 ] | MS18277-1                         | 50                                | 5                                 | B010772-0009                      | 448815-5                          | 448815-5                          |                                   |                         |             |              |
| .040<br>.020 [ 1.02<br>0.51 ]             | .749 [ 19.02 ]                    | .241<br>.229 [ 6.12<br>5.82 ]     | .432<br>.412 [ 10.97<br>10.46 ]   | .620<br>.590 [ 15.75<br>14.99 ]   | .441<br>.431 [ 11.20<br>10.95 ]   | 2.411<br>2.401 [ 61.24<br>60.99 ] | 2.084<br>2.074 [ 52.93<br>52.68 ] | 2.650<br>2.620 [ 67.31<br>66.55 ] | MS18276-1                         | 37                                | 4                                 | B010772-0007                      | 448815-4                          | 448815-4                |             |              |
|                                           | .049<br>.029 [ 1.24<br>0.74 ]     |                                   |                                   |                                   |                                   | .544<br>.524 [ 13.82<br>13.31 ]   | 2.188<br>2.168 [ 55.58<br>55.07 ] | .236<br>.224 [ 5.99<br>5.69 ]     | .436<br>.416 [ 11.07<br>10.57 ]   | 2.505<br>2.495 [ 63.63<br>63.37 ] | 2.187<br>2.177 [ 55.55<br>55.30 ] | 2.744<br>2.714 [ 69.70<br>68.94 ] | MS18275-1                         | 25                      | 3           | B010772-0005 |
| .432<br>.412 [ 10.97<br>10.46 ]           |                                   | 1.635<br>2.262 [ 41.53<br>57.45 ] | .509<br>.479 [ 12.93<br>12.17 ]   | .334<br>.324 [ 8.48<br>8.23 ]     | 1.857<br>1.847 [ 47.17<br>46.91 ] | 1.539<br>1.529 [ 39.09<br>38.84 ] | 2.103<br>2.073 [ 53.42<br>52.65 ] |                                   |                                   | MS18274-1                         | 15                                | 2                                 | B010772-0003                      | 448815-2                | 448815-2    |              |
|                                           | 1.093<br>.769 [ 27.76<br>19.53 ]  | 1.317<br>1.307 [ 33.45<br>33.20 ] |                                   |                                   | .999<br>.989 [ 25.37<br>25.12 ]   | 1.556<br>1.526 [ 39.52<br>38.76 ] | MS18273-1                         | 9                                 | 1                                 | B010772-0001                      | 448815-1                          | 448815-1                          |                                   |                         |             |              |
| L                                         | J                                 | H                                 | G                                 | F                                 | E                                 | D                                 | C                                 | B                                 | A                                 | INSERT<br>ARRANGEMENT             | NO OF<br>POS                      | SHELL<br>SIZE                     | CUSTOMER P/N<br>ON CONNECTOR      | AMP P/N<br>ON CONNECTOR | PART NUMBER |              |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
INCHES

MATERIAL  
SEE CALLOUTS

TOLERANCES UNLESS  
OTHERWISE SPECIFIED:

0 PLC ± .005  
1 PLC ± .005  
2 PLC ± .005  
3 PLC ± .005  
4 PLC ± .005

ANGLES  
SEE CALLOUTS

DWN  
AJ GRAFF  
2-11-93

CHK  
F. KINSEY  
2-17-93

APVD  
F. KINSEY  
2-17-93

PRODUCT SPEC

APPLICATION SPEC

WEIGHT —

CUSTOMER DRAWING

NAME

AMPLIMITE NONMAGNETIC PLUG ASSY  
WITH SIZE 20 CRIMP TYPE PIN CONTACTS  
SERIES 109, SHELL SIZES 1 THRU 5

SIZE  
A1

DATE CODE  
00779

DRAWING NO  
448815

RESTRICTED TO

SCALE  
4:1

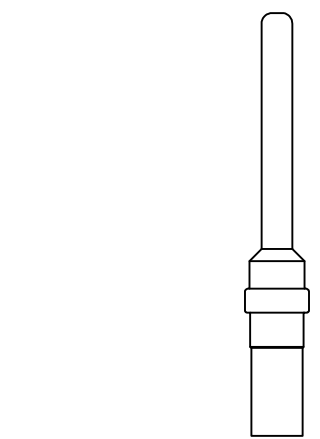
SHEET  
1

OF  
2

REV  
E

TE Connectivity

4805 (3/11)



Technical drawing of a connector assembly, showing front and rear views with dimensions and material specifications.

**MARK AMP PART NO AND DATE CODE, FAR SIDE.**

**MARK CUSTOMER PART NO, FAR SIDE.**

**SHELL, FRONT**  
 MATL: BRASS ALLOY PER ASTM B 36  
 FINISH: GOLD PLATED IN ACCORDANCE WITH MIL-G-45204, TYPE II, GRADE C, CLASS 1  
 OVER COPPER IN ACCORDANCE WITH MIL-C-14550.

**SHELL, REAR**  
 MATL: BRASS ALLOY PER ASTM B 36  
 FINISH: GOLD PLATED IN ACCORDANCE WITH MIL-G-45204, TYPE II, GRADE C, CLASS 1  
 OVER COPPER IN ACCORDANCE WITH MIL-C-14550.

**GROMMET, REAR**  
 MATL: SILICONE RUBBER PER IAW ZZ-R-765, CLASS 3a, GRADE 50  
 COLOR: RED  
 FOR 448815-1 THRU -10 AND -32 ONLY

**INSERT ASSY**  
 MATERIAL PER MIL-DTL-24308

**Dimensions:**

- $L$  (Overall Length)
- $G$  (Shell Thickness)
- $F$  (Overall Width)
- $.375 \text{ MAX}$  [9.53] (Dimension across the shell)
- $.125 \text{ REF}$  [3.18] (Dimension across the shell)
- $.220$  (Dimension across the shell)
- $5.59 \text{ MAX}$  (Dimension across the shell)
- $.070$  [1.78] TYP (Dimension across the shell)
- $.040$  [1.02] (Dimension across the shell)
- $.4$  (Dimension across the shell)

**Orientation:**

- $Z$  (Upward arrow)
- $Z$  (Upward arrow)

4805 (3/11)

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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