

Distributed by:

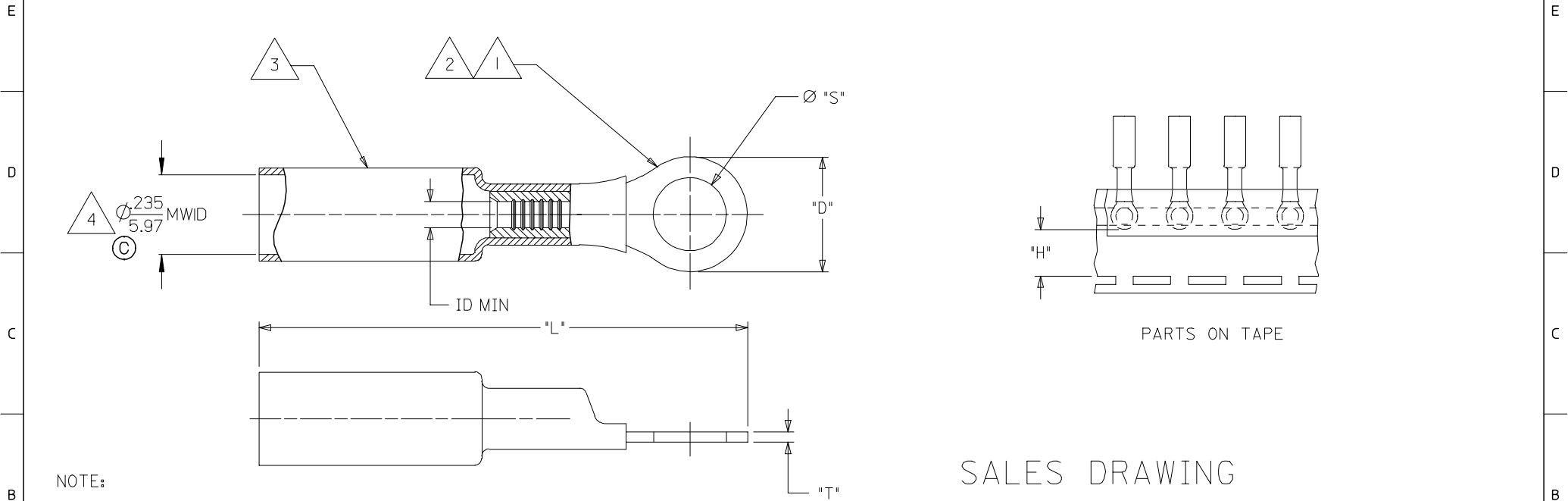
**JAMECO**<sup>®</sup>  
ELECTRONICS

**[www.Jameco.com](http://www.Jameco.com) ♦ 1-800-831-4242**

The content and copyrights of the attached  
material are the property of its owner.

Jameco Part Number 455161

| 10                 |           | 9                     |  | 8                             |  | 7                                |  | 6            |  | 5                                    |  | 4                      |  | 3                            |  | 2          |  | 1          |  |           |  |
|--------------------|-----------|-----------------------|--|-------------------------------|--|----------------------------------|--|--------------|--|--------------------------------------|--|------------------------|--|------------------------------|--|------------|--|------------|--|-----------|--|
| MATERIAL<br>NUMBER |           | ENGINEERING<br>NUMBER |  | MATERIAL<br>NUMBER<br>ON TAPE |  | ENGINEERING<br>NUMBER<br>ON TAPE |  | STUD<br>SIZE |  | HOLE<br>"S" $\pm .005$<br>$\pm 0.03$ |  | "D"<br>MAX             |  | "H" $\pm .010$<br>$\pm 0.25$ |  | "L"<br>MAX |  | "T"<br>REF |  | ID<br>MIN |  |
| F                  | I91640085 | SA-221-06             |  | ---                           |  | ---                              |  | #6           |  | $\varnothing .146/3.71$              |  | $\varnothing .32/8.1$  |  | ---                          |  | 1.46/37.1  |  | .028/0.71  |  | .064/1.63 |  |
|                    | I91640086 | SA-221-08             |  | I91640419                     |  | SA-221-08T                       |  | #8           |  | $\varnothing .173/4.39$              |  | $\varnothing .32/8.1$  |  | .534/13.56                   |  | 1.46/37.1  |  | .028/0.71  |  | .064/1.63 |  |
|                    | I91640003 | SA-221-10             |  | I91640306                     |  | SA-221-10T                       |  | #10          |  | $\varnothing .198/5.03$              |  | $\varnothing .32/8.1$  |  | .534/13.56                   |  | 1.46/37.1  |  | .028/0.71  |  | .064/1.63 |  |
|                    | I91640004 | SA-222-14             |  | I91640844                     |  | SA-222-14T                       |  | 1/4          |  | $\varnothing .265/6.73$              |  | $\varnothing .48/12.2$ |  | .340/8.65                    |  | 1.66/42.2  |  | .028/0.71  |  | .055/1.40 |  |
|                    | I91640005 | SA-226-38             |  | I91640845                     |  | SA-226-38T                       |  | 3/8          |  | $\varnothing .390/9.91$              |  | $\varnothing .54/13.7$ |  | .328/8.33                    |  | 1.95/49.5  |  | .032/0.81  |  | .055/1.40 |  |



- NOTE:
- 1. TERMINAL MATERIAL: COPPER ALLOY
  - 2. FINISH: ELECTRO TIN PLATE.
  - 3. INSULATION MATERIAL: HEAT SHRINKABLE TUBING WITH HOTMELT ADHESIVE INNER LINER. COLOR: RED.
  - 4. MWID = MAXIMUM WIRE INSULATION DIAMETER.

|                                                                                                                                      |             |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                  |        |                           |      |                              |                      |                                                                                                                 |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------------|------|------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------|----------|--------|--------|----------|--------|--------|---------|-------|-------|----------------|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|----------|-----------|------------|------|----------|-----------|-------------|------|---------|-----------|---------------------------------------------------------------|--|--|--|--|
| CHANGED MWID<br>EC NO: ETC2006-0154<br>DRAWN: ASAYDEH 2005/12/21<br>CHKD: JLOMASTRO 2005/12/21<br>APPR: JPANLICK 2005/12/21<br><br>C | DESCRIPTION | QUALITY SYMBOLS                                                                                                                                                                    | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                                                                                                                                                                                                            |        | DIMENSION STYLE<br>IN/MM  |      | SCALE<br>---                 | DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION<br> |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |
|                                                                                                                                      |             |  =0<br> =0 | <table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± 0.13</td><td>± .005</td></tr><tr><td>2 PLACES</td><td>± 0.25</td><td>± .010</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td></tr><tr><td colspan="3">ANGULAR ± ---°</td></tr></table> |        | mm                        | INCH | 4 PLACES                     | ± ---                | ± ---                                                                                                           | 3 PLACES | ± 0.13 | ± .005 | 2 PLACES | ± 0.25 | ± .010 | 1 PLACE | ± --- | ± --- | ANGULAR ± ---° |  |  | <table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>BENDERLE</td><td>2005/5/14</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>HBEITZEL</td><td>2005/5/14</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>RDEROSS</td><td>2005/5/14</td></tr></table> | DRAWN BY | DATE | BENDERLE | 2005/5/14 | CHECKED BY | DATE | HBEITZEL | 2005/5/14 | APPROVED BY | DATE | RDEROSS | 2005/5/14 | TITLE<br>RING TONGUE TERMINAL<br>PERMA-SEAL NIAC<br>22-18 AWG |  |  |  |  |
|                                                                                                                                      |             |                                                                                                                                                                                    | mm                                                                                                                                                                                                                                                                                                                               | INCH   |                           |      |                              |                      |                                                                                                                 |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |
|                                                                                                                                      |             | 4 PLACES                                                                                                                                                                           | ± ---                                                                                                                                                                                                                                                                                                                            | ± ---  |                           |      |                              |                      |                                                                                                                 |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |
|                                                                                                                                      |             | 3 PLACES                                                                                                                                                                           | ± 0.13                                                                                                                                                                                                                                                                                                                           | ± .005 |                           |      |                              |                      |                                                                                                                 |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |
|                                                                                                                                      |             | 2 PLACES                                                                                                                                                                           | ± 0.25                                                                                                                                                                                                                                                                                                                           | ± .010 |                           |      |                              |                      |                                                                                                                 |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |
|                                                                                                                                      |             | 1 PLACE                                                                                                                                                                            | ± ---                                                                                                                                                                                                                                                                                                                            | ± ---  |                           |      |                              |                      |                                                                                                                 |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |
|                                                                                                                                      |             | ANGULAR ± ---°                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                  |        |                           |      |                              |                      |                                                                                                                 |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |
|                                                                                                                                      |             | DRAWN BY                                                                                                                                                                           | DATE                                                                                                                                                                                                                                                                                                                             |        |                           |      |                              |                      |                                                                                                                 |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |
|                                                                                                                                      |             | BENDERLE                                                                                                                                                                           | 2005/5/14                                                                                                                                                                                                                                                                                                                        |        |                           |      |                              |                      |                                                                                                                 |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |
| CHECKED BY                                                                                                                           | DATE        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                  |        |                           |      |                              |                      |                                                                                                                 |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |
| HBEITZEL                                                                                                                             | 2005/5/14   |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                  |        |                           |      |                              |                      |                                                                                                                 |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |
| APPROVED BY                                                                                                                          | DATE        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                  |        |                           |      |                              |                      |                                                                                                                 |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |
| RDEROSS                                                                                                                              | 2005/5/14   |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                  |        |                           |      |                              |                      |                                                                                                                 |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                           |             |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                  |        | MATERIAL NO.<br>SEE CHART |      | DOCUMENT NO.<br>SD-19164-006 |                      | SHEET NO.<br>1 OF 1                                                                                             |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |
| SIZE B THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |             |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                  |        |                           |      |                              |                      |                                                                                                                 |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |
| molex MOLEX INCORPORATED                                                                                                             |             |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                  |        |                           |      |                              |                      |                                                                                                                 |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |
|                                                                                                                                      |             |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                  |        |                           |      |                              |                      |                                                                                                                 |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |
|                                                                                                                                      |             |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                  |        |                           |      |                              |                      |                                                                                                                 |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |
|                                                                                                                                      |             |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                  |        |                           |      |                              |                      |                                                                                                                 |          |        |        |          |        |        |         |       |       |                |  |  |                                                                                                                                                                                                                                                                              |          |      |          |           |            |      |          |           |             |      |         |           |                                                               |  |  |  |  |