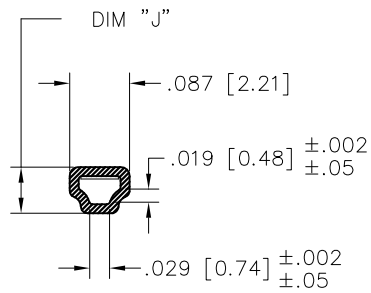
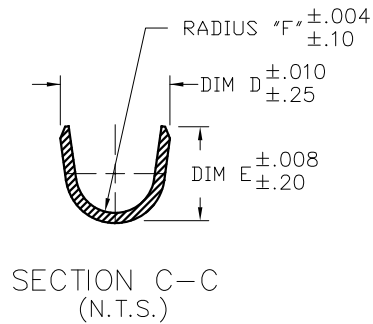
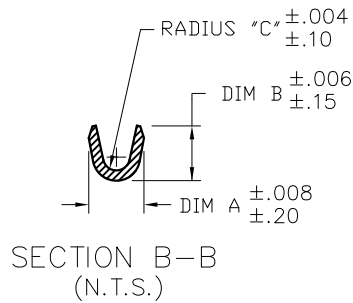


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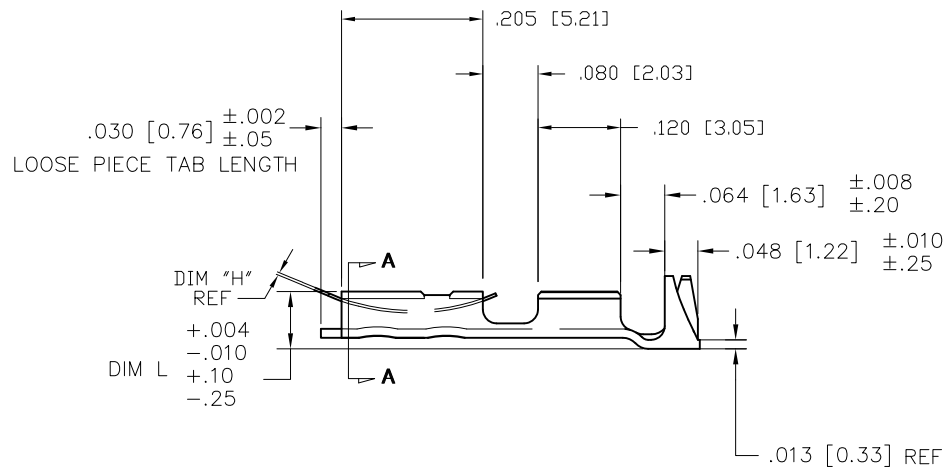
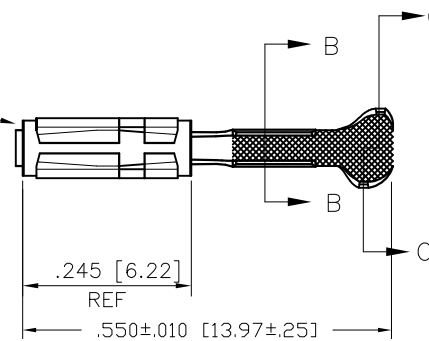
PRODUCT NUMBER  
SEE TABLE



SECTION A-A



SIDES OF SPRING MAY NOT  
EXTEND BEYOND SIDE OF  
TERMINAL MORE THAN .004/.10



|             |          |     |            |                                             |               |                                                                                       |  |                                                                                                  |  |                                               |  |              |      |
|-------------|----------|-----|------------|---------------------------------------------|---------------|---------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------|--|-----------------------------------------------|--|--------------|------|
| mat'l. code |          |     |            | surface <input checked="" type="checkbox"/> |               | tolerance                                                                             |  | projection  |  | product family                                |  |              |      |
| SEE TABLE   |          |     |            |                                             |               |                                                                                       |  |                                                                                                  |  | PV TERMINALS                                  |  |              |      |
| ltr         | ec'n no  | dr  | date       | tolerances unless otherwise specified       |               |  |  | INCH/MM                                                                                          |  | title<br>MAXI PV™ RECEPTACLE<br>CRIMP TO WIRE |  |              |      |
| AA          | v08-0113 | HTB | 2008-03-28 | angles                                      | .XX±.01/.X±.3 |                                                                                       |  |                                                                                                  |  |                                               |  |              |      |
| AB          | v08-0510 | HTB | 2008-12-02 |                                             | linear        |                                                                                       |  |                                                                                                  |  |                                               |  |              |      |
| AC          | v11-0038 | HTB | 2011-10-11 |                                             |               |                                                                                       |  |                                                                                                  |  |                                               |  |              |      |
|             |          |     |            |                                             |               |                                                                                       |  |                                                                                                  |  |                                               |  |              |      |
| -           | -        | -   | -          | dr                                          | T. BREWBAKER  | 2006-04-18                                                                            |  |             |  | dwg no                                        |  | sheet 1 of 3 | size |
| W           | v06-0218 | HTB | 2006-03-07 | engr                                        | T. BREWBAKER  | 2006-04-18                                                                            |  |                                                                                                  |  | 46220                                         |  | A3           |      |
| X           | v06-0303 | HTB | 2006-04-18 | chr                                         | T. BREWBAKER  | 2006-04-18                                                                            |  |                                                                                                  |  |                                               |  |              |      |
| Y           | v07-0218 | HTB | 2007-03-16 | appd                                        | T. BREWBAKER  | 2006-04-18                                                                            |  |                                                                                                  |  |                                               |  |              |      |
| sheet index | revision | AC  | AC         | AC                                          |               |                                                                                       |  |                                                                                                  |  | type Product Customer Drawing                 |  |              |      |
|             | sheet    | 1   | 2          | 3                                           |               |                                                                                       |  |                                                                                                  |  |                                               |  |              |      |



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| PRODUCT NUMBER |             | AWG RANGE | MATERIAL AND PLATING       |  | SPRING THICKNESS            |          | BODY    |        |         |        |         |        |
|----------------|-------------|-----------|----------------------------|--|-----------------------------|----------|---------|--------|---------|--------|---------|--------|
| REELED         | LOOSE PC.   |           |                            |  | DIM H                       |          | DIM J   |        | DIM L   |        |         |        |
|                |             |           | BODY : 1/4 HD BRASS        |  | SPRING : BE-CU HEAT TREATED |          | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC |
| 46220-000      | 46224-000   |           | OBSOLETE                   |  |                             |          |         |        |         |        |         |        |
| 46230-000      | 46234-000   |           |                            |  |                             |          |         |        |         |        |         |        |
| 46240-000      | 46244-000   |           |                            |  |                             |          |         |        |         |        |         |        |
| 46221-000LF    | 46225-000LF | 18-20     | 40μ"/1.02μm MIN GOLD OVER  |  | GOLD FLASH                  | 0.0058   | 0.147   | 0.067  | 1.70    | 0.083  | 2.11    |        |
| 46231-000LF    | 46235-000LF | 22-26     | 50μ"/1.27μm MIN NICKLE IN  |  |                             | 0.0058   | 0.147   | 0.067  | 1.70    | 0.083  | 2.11    |        |
| 46241-000      | 46245-000   | 28-32     | OBS. CONTACT AREA (NOTE 4) |  |                             | OBSOLETE |         |        |         |        |         |        |
| 46222-000LF    | 47418-000LF |           | OBSOLETE                   |  |                             |          |         |        |         |        |         |        |
| 46232-000LF    | 47419-000LF |           |                            |  |                             |          |         |        |         |        |         |        |
| 46242-000      | 47420-000   |           |                            |  |                             |          |         |        |         |        |         |        |
| 46223-000LF    | 47387-000LF |           | OBSOLETE                   |  |                             |          |         |        |         |        |         |        |
| 46233-000LF    | 47384-000LF |           |                            |  |                             |          |         |        |         |        |         |        |
| 46243-000      | 47403-000   |           |                            |  |                             |          |         |        |         |        |         |        |
| 46226-000LF    | 46227-000LF | 18-20     | 40μ"/1.02μm MIN GOLD OVER  |  | GOLD FLASH                  | 0.0048   | 0.122   | 0.067  | 1.70    | 0.083  | 2.11    |        |
| 46236-000LF    | 46237-000LF | 22-26     | 50μ"/1.27μm MIN NICKLE IN  |  |                             | 0.0048   | 0.122   | 0.067  | 1.70    | 0.083  | 2.11    |        |
| 46246-000      | 46247-000   | 28-32     | OBS. CONTACT AREA (NOTE 4) |  |                             | OBSOLETE |         |        |         |        |         |        |
| 46228-000      | 46229-000   |           | OBSOLETE                   |  |                             |          |         |        |         |        |         |        |
| 46238-000      | 46239-000   |           |                            |  |                             |          |         |        |         |        |         |        |
| 46248-000      | 46249-000   |           |                            |  |                             |          |         |        |         |        |         |        |
| 46580-000      | 46581-000   |           |                            |  |                             |          |         |        |         |        |         |        |
| 46590-000      | 46591-000   |           |                            |  |                             |          |         |        |         |        |         |        |
| 46600-000      | 46601-000   |           |                            |  |                             |          |         |        |         |        |         |        |
| 47388-000      | 47391-000   |           |                            |  |                             |          |         |        |         |        |         |        |
| 47389-000      | 47392-000   |           |                            |  |                             |          |         |        |         |        |         |        |
| 47390-000      | 47393-000   |           |                            |  |                             |          |         |        |         |        |         |        |
| 47612-000      |             |           |                            |  |                             |          |         |        |         |        |         |        |
| 47613-000      |             |           |                            |  |                             |          |         |        |         |        |         |        |
| 47614-000      |             |           |                            |  |                             |          |         |        |         |        |         |        |
| 47621-000      |             |           |                            |  |                             |          |         |        |         |        |         |        |
| 47622-000      |             |           |                            |  |                             |          |         |        |         |        |         |        |
| 47653-000      |             |           |                            |  |                             |          |         |        |         |        |         |        |
| 47733-000      |             |           |                            |  |                             |          |         |        |         |        |         |        |
| 47734-000      |             |           |                            |  |                             |          |         |        |         |        |         |        |
| 47735-000      |             |           |                            |  |                             |          |         |        |         |        |         |        |
| 47736-000      | 46582-000   |           |                            |  |                             |          |         |        |         |        |         |        |
| 47737-000      | 46592-000   |           |                            |  |                             |          |         |        |         |        |         |        |
| 47738-000      | 46602-000   |           |                            |  |                             |          |         |        |         |        |         |        |
| 48188-000      | 48189-000   |           |                            |  |                             |          |         |        |         |        |         |        |

SEE SHEET 3 FOR PRODUCTS WITH LEAD-FREE TIN PLATING.

|                          |                |    |      |                                             |              |                       |                     |                      |                               |                                |              |
|--------------------------|----------------|----|------|---------------------------------------------|--------------|-----------------------|---------------------|----------------------|-------------------------------|--------------------------------|--------------|
| mat'l. code<br>SEE TABLE |                |    |      | surface <input checked="" type="checkbox"/> |              | tolerance             |                     | projection           |                               | product family<br>PV TERMINALS |              |
| ltr                      | ecn no         | dr | date | tolerances unless otherwise specified       |              |                       |                     | INCH/MM<br>scale 1:1 |                               | title                          |              |
| AC                       |                |    |      | angles                                      | linear       | .XX±.01/.X±.3         | MAXI PV™ RECEPTACLE |                      |                               |                                |              |
|                          |                |    |      |                                             |              | .XXX±.005/.XX±.13     | CRIMP TO WIRE       |                      |                               |                                |              |
|                          |                |    |      |                                             |              | .XXXX±.0020/.XXX±.051 |                     |                      | dwg no                        |                                | sheet 2 of 3 |
|                          |                |    |      | dr                                          | T. BREWBAKER | 2006-04-18            |                     |                      | 46220                         |                                | A3           |
|                          |                |    |      | engr                                        | T. BREWBAKER | 2006-04-18            |                     |                      |                               |                                |              |
|                          |                |    |      | chr                                         | T. BREWBAKER | 2006-04-18            |                     |                      |                               |                                |              |
|                          |                |    |      | appd                                        | T. BREWBAKER | 2006-04-18            |                     |                      |                               |                                |              |
| sheet index              | revision sheet |    |      |                                             |              |                       |                     |                      | type Product Customer Drawing |                                |              |

| PRODUCT NUMBER |             | AWG<br>RANGE | MATERIAL AND PLATING    |                             | SPRING THICKNESS |        | BODY    |        |         |        |
|----------------|-------------|--------------|-------------------------|-----------------------------|------------------|--------|---------|--------|---------|--------|
| REELED         | LOOSE PC.   |              |                         |                             | DIM H            |        | DIM J   |        | DIM L   |        |
|                |             |              | BODY : 1/4 HD BRASS     | SPRING : BE-CU HEAT TREATED | ENGLISH          | METRIC | ENGLISH | METRIC | ENGLISH | METRIC |
| 46580-000LF    | 46581-000LF |              | OBSOLETE                |                             |                  |        |         |        |         |        |
| 46590-000LF    | 46591-000LF |              |                         |                             |                  |        |         |        |         |        |
| 46600-000LF    | 46601-000LF |              |                         |                             |                  |        |         |        |         |        |
| 47388-000LF    | 47391-000LF | 18-20        | HOT DIPPED TIN (NOTE 7) | TIN PLATED                  | 0.0058           | 0.147  | 0.067   | 1.70   | 0.083   | 2.11   |
| 47389-000LF    | 47392-000LF | 22-26        |                         |                             | 0.0058           | 0.147  | 0.067   | 1.70   | 0.083   | 2.11   |
| 47390-000LF    | 47393-000LF | 28-32        |                         |                             | 0.0058           | 0.147  | 0.067   | 1.70   | 0.083   | 2.11   |
| 47736-000LF    | 46582-000LF | 18-20        | HOT DIPPED TIN (NOTE 7) | TIN PLATED                  | 0.0048           | 0.122  | 0.067   | 1.70   | 0.083   | 2.11   |
| 47737-000LF    | 46592-000LF | 22-26        |                         |                             | 0.0048           | 0.122  | 0.067   | 1.70   | 0.083   | 2.11   |
| 47738-000LF    | 46602-000LF | 28-32        |                         |                             | 0.0048           | 0.122  | 0.067   | 1.70   | 0.083   | 2.11   |

| AWG<br>RANGE | WIRE BARREL |        |         |        |         |        | INSULATION BARREL                               |             |                                                         |             |         |        |         |        |         |        |
|--------------|-------------|--------|---------|--------|---------|--------|-------------------------------------------------|-------------|---------------------------------------------------------|-------------|---------|--------|---------|--------|---------|--------|
|              | DIM A       |        | DIM B   |        | DIM C   |        | INSULATION DIA. RANGE<br>FOR DISCRETE TERMINALS |             | INSULATION DIA. RANGE WHEN<br>USED WITH MAXI LATCH HSG. |             | DIM D   |        | DIM E   |        | DIM F   |        |
|              | ENGLISH     | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH                                         | METRIC      | ENGLISH                                                 | METRIC      | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC |
| 18-20        | 0.110       | 2.79   | 0.110   | 2.79   | 0.021   | 0.53   | 0.042 - 0.103                                   | 1.07 - 2.62 | 0.042 - 0.060                                           | 1.07 - 1.52 | 0.139   | 3.53   | 0.123   | 3.12   | 0.050   | 1.27   |
| 22-26        | 0.070       | 1.78   | 0.070   | 1.78   | 0.017   | 0.43   | 0.036 - 0.103                                   | 0.91 - 2.62 | 0.036 - 0.060                                           | 0.91 - 1.52 | 0.139   | 3.53   | 0.123   | 3.12   | 0.050   | 1.27   |
| 28-30        | 0.054       | 1.37   | 0.058   | 1.47   | 0.011   | 0.28   | 0.028 - 0.054                                   | 0.71 - 1.37 | 0.028 - 0.054                                           | 0.71 - 1.37 | 0.115   | 2.92   | 0.110   | 2.79   | 0.040   | 1.02   |

#### NOTES:

- FOR DIMENSIONS OF WIRE BARREL AND INSULATION BARREL SEE TABLE.
- PART TO MATE WITH  $.025 \pm .002$   $[0.64 \pm 0.05]$  SQ. PIN.
- APPLICABLE SPECIFICATIONS:
  - BUS-12-096 : PRODUCT SPECIFICATION
  - TA-213 : CRIMP SPECIFICATION FOR TERMINALS USED WITH MAXI-LATCH HOUSINGS.
  - TA-356 : CRIMP SPECIFICATION FOR CONTACTS NOT USED IN HOUSINGS.
- FINISH TO BE AS SPECIFIED IN CONTACT AREA.  
REMAINDER OF TOP OF PART TO BE GOLD FLASH OVER  $50\mu"/1.27\mu\text{m}$  NICKEL.  
BACKSIDE OF TERMINALS PLATED WITH  $30\mu"/0.76\mu\text{m}$  NICKEL ONLY.
- PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- THIS PRODUCT IS NOT INTENDED TO BE EXPOSED TO MANUFACTURING SOLDER PROCESSES.
- THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS.

|                          |          |       |      |                                             |              |                                                             |  |            |  |                                      |  |
|--------------------------|----------|-------|------|---------------------------------------------|--------------|-------------------------------------------------------------|--|------------|--|--------------------------------------|--|
| mat'l. code<br>SEE TABLE |          |       |      | surface <input checked="" type="checkbox"/> |              | tolerance                                                   |  | projection |  | product family<br>PV TERMINALS       |  |
| ltr                      | ecn no   | dr    | date | tolerances unless otherwise specified       |              |                                                             |  |            |  | title                                |  |
| AC                       |          |       |      | angles                                      | linear       | .XX±.01/.X±.3<br>.XXX±.005/.XX±.13<br>.XXXX±.0020/.XXX±.051 |  | INCH/MM    |  | MAXI PV™ RECEPTACLE<br>CRIMP TO WIRE |  |
|                          |          |       |      |                                             |              |                                                             |  | scale 1:1  |  | dwg no                               |  |
|                          |          |       |      | dr                                          | T. BREWBAKER | 2006-04-18                                                  |  |            |  | sheet 3 of 3                         |  |
|                          |          |       |      | engr                                        | T. BREWBAKER | 2006-04-18                                                  |  |            |  | size                                 |  |
|                          |          |       |      | chr                                         | T. BREWBAKER | 2006-04-18                                                  |  |            |  | A3                                   |  |
|                          |          |       |      | appd                                        | T. BREWBAKER | 2006-04-18                                                  |  |            |  | type Product Customer Drawing        |  |
| sheet index              | revision | sheet |      |                                             |              |                                                             |  |            |  |                                      |  |