

PRODUCT NUMBER  
 SEE TABLE

.013  
.33  
MAX TYP  
NOTE 6

NOTE 5

NOTE 4

□ .025±.001  
.64±.03

NOTE 2

OVERALL LENGTH  
DIM "L"  
±.010  
±.25

⊕ .005/.13

25°±5°  
REF TYP

DIM "C" -G-  
NOTE 4

.010  
.25  
REF

90° 4X

90° REF

.034±.001  
.86±.03 2X

R .002 [0.05] MAX 4X

⊕ .004/.10 G

 SECTION E-E  
 SCALE 12/1  
 WITHOUT FERRULE

CONTACT AREA  
DIM "A" ±.010  
±.25

DIM "H" REF

TERMINATION AREA  
DIM B

.070 ±.010  
1.78 ±.25

SECTION THRU PC BOARD

| mat'l. code<br>SEE NOTE 1 |                |     |            | surface<br>ASME Y14.5                 | tolerance<br>ASME Y14.5 | projection                                                                                                    | product family<br>PIN PRODUCTS                |  |  |
|---------------------------|----------------|-----|------------|---------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--|--|
| ltr                       | ecr no         | dr  | date       | tolerances unless otherwise specified |                         | <br>INCH/MM<br>scale 3:1 | title                                         |  |  |
| Y                         | V07-0009       | HTB | 2007-01-05 | angles                                | XX*.01/X*.3             |                                                                                                               | BERGPIN® LOOSE PIECE<br>.039"[0.99] DIA. STAR |  |  |
| AA                        | V08-0353       | HTB | 2008-08-18 | 0° ±2°                                | XXX*.005/XXX*.13        |                                                                                                               |                                               |  |  |
| U                         | V71498         | HTB | 1997-10-28 | dr                                    | M. FETROW               | 1994-05-16                                                                                                    | dwg no 76151 sheet 1 of 5 size A4             |  |  |
| V                         | V01594         | JRW | 2000-07-12 | engr                                  | L. FYE                  | 1994-05-16                                                                                                    |                                               |  |  |
| W                         | V05-0399       | HTB | 2005-04-28 | chr                                   | L. FYE                  | 1994-05-16                                                                                                    | type CUSTOMER Drawing                         |  |  |
| X                         | V06-0684       | HTB | 2006-07-24 | appd                                  | L. FYE                  | 1994-05-16                                                                                                    |                                               |  |  |
| sheet index               | revision sheet | AA  | AA         | AA                                    | AA                      | AA                                                                                                            |                                               |  |  |
|                           |                | 1   | 2          | 3                                     | 4                       | 5                                                                                                             |                                               |  |  |

| PRODUCT NUMBER<br>NOTE 9 | PLATING                                | UNDERPLATING                   |
|--------------------------|----------------------------------------|--------------------------------|
| 76151-YYY                | 30μ" [0.76μ] MIN Au                    | 50μ" [1.27μ] MIN Ni            |
| 76151-YYLFF              |                                        |                                |
| 76153-YYY                | 50μ" [1.27μ] MIN Au                    | 50μ" [1.27μ] MIN Ni            |
| 76153-YYLFF              |                                        |                                |
| 76154-YYY                | <del>120μ" [3.05μ] MIN 93/7 SnPb</del> | <del>50μ" [1.27μ] MIN Ni</del> |
| 76154-YYLFF              | 100μ" [2.54μ] MIN Sn (NOTE 10)         | 50μ" [1.27μ] MIN Ni            |
| 76155-YYY                | 30μ" [0.76μ] MIN GXT™                  | 50μ" [1.27μ] MIN Ni            |
| 76155-YYLFF              |                                        |                                |
| 76156-YYY                | 15μ" [0.38μ] MIN GXT™                  | 50μ" [1.27μ] MIN Ni            |
| 76156-YYLFF              |                                        |                                |
| 76159-YYY                | 15μ" [0.38μ] MIN Au                    | 50μ" [1.27μ] MIN Ni            |
| 76159-YYLFF              |                                        |                                |

DISCONTINUED

## NOTES:

1. MATERIAL: 3/4 HARD PHOS BRONZE  
ASTM B-159-66
2. BURNISH MARKS ON PIN PERMITTED  
BURR .003 [0.08] MAX BULGE  
.0005 [0.013] MAX TYP.
3. SEE PRODUCT SPECIFICATION BUS-12-064  
FOR P.C. BOARD HOLE DIAMETER AND P.C.  
BOARD HOLE PLATING INFORMATION.
4. .002 [0.05] R MAX TYP 4X ON WIRE  
PORTION OF PIN.
5. TWO SIDES OF LEAD-IN NOT PLATED  
TYP BOTH ENDS.
6. .016 [0.41] MAX OPPOSITE END IF DIM  
B IS LESS THAN .230 [5.84].
7. TOLERANCE: +.001 [0.03], -.002 [0.05]
8. TOLERANCE: ±.001 [0.03]
9. ADD AN LF SUFFIX TO PART NUMBERS FOR PRODUCT  
THAT MEETS EUROPEAN UNION DIRECTIVES AND OTHER  
COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
10. 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 NOTE 1 |        | surface<br>ASME Y14.5 ✓ |      | tolerance<br>ASME Y14.5               |                             | projection<br>⌀ |  | product family<br>PIN PRODUCTS                |  |
| ltr                       | ecr no | dr                      | date | tolerances unless otherwise specified |                             | INCH/MM         |  | title                                         |  |
| AA                        |        |                         |      | angles                                | XX+01/X+3<br>XXX+005/XXX+13 |                 |  | BERGPIN® LOOSE PIECE<br>.039"[0.99] DIA. STAR |  |
|                           |        |                         |      | 0° ±2'                                | XXXX+0020/XXX+051           | scale 1:1       |  | dwg no                                        |  |
|                           |        |                         |      | dr                                    | M. FETROW 1994-05-16        |                 |  | sheet 2 of 5                                  |  |
|                           |        |                         |      | enr                                   | L. FYE 1994-05-16           |                 |  | size                                          |  |
|                           |        |                         |      | chr                                   | L. FYE 1994-05-16           |                 |  | A4                                            |  |
|                           |        |                         |      | appd                                  | L. FYE 1994-05-16           |                 |  | type                                          |  |
| sheet index               |        | revision sheet          |      |                                       |                             |                 |  | CUSTOMER Drawing                              |  |



| PRODUCT NO.<br>NOTE 9 | CONTACT<br>AREA<br>DIM "A" | TERMINATION<br>AREA<br>DIM "B" | DIM "C"          | DIM "H"<br>FOR .062<br>1.57 BOARD | DIM "H"<br>FOR .093<br>2.36 BOARD | DIM "H"<br>FOR .125<br>3.17 BOARD                         | OVERALL<br>LENGTH<br>DIM "L" | CUSTOMER<br>RESTRICTED                                 |                                |
|-----------------------|----------------------------|--------------------------------|------------------|-----------------------------------|-----------------------------------|-----------------------------------------------------------|------------------------------|--------------------------------------------------------|--------------------------------|
| 7615X-001             | .230/5.84                  | .045/1.14                      | .039/0.99 NOTE 7 | .235/5.97                         | .220/5.59                         | .205/5.21                                                 | .345/8.76                    | NO                                                     |                                |
| 7615X-002             | .265/6.73                  | .045/1.14                      | .039/0.99 NOTE 7 | .270/6.86                         | .255/6.48                         | .240/6.10                                                 | .380/9.65                    | NO                                                     |                                |
| 7615X-003             | .345/8.76                  | .045/1.14                      | .039/0.99 NOTE 7 | .350/8.89                         | .335/8.51                         | .320/8.13                                                 | .460/11.68                   | NO                                                     |                                |
| 7615X-004             | .400/10.16                 | .045/1.14                      | .039/0.99 NOTE 7 | .405/10.29                        | .390/9.91                         | .375/9.53                                                 | .515/13.08                   | NO                                                     |                                |
| 7615X-005             | .415/10.54                 | .045/1.14                      | .039/0.99 NOTE 7 | .420/10.67                        | .405/10.29                        | .390/9.91                                                 | .530/13.46                   | NO                                                     |                                |
| 7615X-006             | .435/11.05                 | .045/1.14                      | .039/0.99 NOTE 7 | .440/11.18                        | .425/10.80                        | .410/10.41                                                | .550/13.97                   | NO                                                     |                                |
| 7615X-007             | .465/11.81                 | .045/1.14                      | .039/0.99 NOTE 7 | .470/11.94                        | .455/11.56                        | .440/11.18                                                | .580/14.73                   | NO                                                     |                                |
| 7615X-008             | .515/13.08                 | .045/1.14                      | .039/0.99 NOTE 7 | .520/13.21                        | .505/12.83                        | .490/12.45                                                | .630/16.00                   | NO                                                     |                                |
| 7615X-009             | .575/14.61                 | .040/1.02                      | .039/0.99 NOTE 7 | .575/14.61                        | .560/14.22                        | .545/13.84                                                | .685/17.40                   | NO                                                     |                                |
| 7615X-010             | .585/14.86                 | .045/1.14                      | .039/0.99 NOTE 7 | .590/14.99                        | .575/14.61                        | .560/14.22                                                | .700/17.78                   | NO                                                     |                                |
| 7615X-011             | .635/16.13                 | .045/1.14                      | .039/0.99 NOTE 7 | .640/16.26                        | .625/15.88                        | .610/15.49                                                | .750/19.05                   | NO                                                     |                                |
| 7615X-012             | .655/16.64                 | .045/1.14                      | .039/0.99 NOTE 7 | .660/16.76                        | .645/16.38                        | .630/16.00                                                | .770/19.56                   | NO                                                     |                                |
| 7615X-013             | .745/18.92                 | .045/1.14                      | .039/0.99 NOTE 7 | .750/19.05                        | .735/18.67                        | .720/18.29                                                | .860/21.84                   | NO                                                     |                                |
| 7615X-014             | .265/6.73                  | .245/6.22                      | .039/0.99 NOTE 7 | .270/6.86                         | .255/6.48                         | .240/6.10                                                 | .580/14.73                   | NO                                                     |                                |
| 7615X-015             | .345/8.76                  | .245/6.22                      | .039/0.99 NOTE 7 | .350/8.89                         | .335/8.51                         | .320/8.13                                                 | .660/16.76                   | NO                                                     |                                |
| 7615X-016             | .400/10.16                 | .245/6.22                      | .039/0.99 NOTE 7 | .405/10.29                        | .390/9.91                         | .375/9.53                                                 | .715/18.16                   | NO                                                     |                                |
| 7615X-017             | .465/11.81                 | .245/6.22                      | .039/0.99 NOTE 7 | .470/11.94                        | .455/11.56                        | .440/11.18                                                | .780/19.81                   | NO                                                     |                                |
| 7615X-018             | .570/14.48                 | .245/6.22                      | .039/0.99 NOTE 7 | .575/14.61                        | .560/14.22                        | .545/13.84                                                | .885/22.48                   | NO                                                     |                                |
| 7615X-019             | .625/15.88                 | .245/6.22                      | .039/0.99 NOTE 7 | .630/16.00                        | .615/15.62                        | .600/15.24                                                | .940/23.88                   | NO                                                     |                                |
| 7615X-020             | .655/16.64                 | .245/6.22                      | .039/0.99 NOTE 7 | .660/16.76                        | .645/16.38                        | .630/16.00                                                | .970/24.64                   | NO                                                     |                                |
| 7615X-021             | .265/6.73                  | .355/9.02                      | .039/0.99 NOTE 7 | .270/6.86                         | .255/6.48                         | .240/6.10                                                 | .690/17.53                   | NO                                                     |                                |
| 7615X-022             | .345/8.76                  | .355/9.02                      | .039/0.99 NOTE 7 | .350/8.89                         | .335/8.51                         | .320/8.13                                                 | .770/19.56                   | NO                                                     |                                |
| 7615X-023             | .400/10.16                 | .355/9.02                      | .039/0.99 NOTE 7 | .405/10.29                        | .390/9.91                         | .375/9.53                                                 | .825/20.96                   | NO                                                     |                                |
| 7615X-024             | .465/11.81                 | .355/9.02                      | .039/0.99 NOTE 7 | .470/11.94                        | .455/11.56                        | .440/11.18                                                | .890/22.61                   | NO                                                     |                                |
| 7615X-025             | .570/14.48                 | .355/9.02                      | .039/0.99 NOTE 7 | .575/14.61                        | .560/14.22                        | .545/13.84                                                | .995/25.27                   | NO                                                     |                                |
| 7615X-026             | .625/15.88                 | .355/9.02                      | .039/0.99 NOTE 7 | .630/16.00                        | .615/15.62                        | .600/15.24                                                | 1.050/26.67                  | NO                                                     |                                |
| 7615X-027             | .655/16.64                 | .355/9.02                      | .039/0.99 NOTE 7 | .660/16.76                        | .645/16.38                        | .630/16.00                                                | 1.080/27.43                  | NO                                                     |                                |
|                       |                            |                                |                  | mat'l. code<br>SEE NOTE 1         |                                   | surface<br>ASME Y14.5 <input checked="" type="checkbox"/> | tolerance<br>ASME Y14.5      | projection<br>                                         | product family<br>PIN PRODUCTS |
|                       |                            |                                |                  | ltr                               | ecr no                            | dr                                                        | date                         | tolerances unless otherwise specified                  | title                          |
|                       |                            |                                |                  | AA                                |                                   |                                                           |                              | angles $\frac{XX \pm .01}{XXX \pm .005 / XXX \pm .13}$ | BERGPIN® LOOSE PIECE           |
|                       |                            |                                |                  |                                   |                                   |                                                           |                              | 0° ±2'                                                 | .039"[0.99] DIA. STAR          |
|                       |                            |                                |                  |                                   |                                   |                                                           |                              | XXXX*0020/XXX*051                                      | scale 1:1                      |
|                       |                            |                                |                  |                                   |                                   | dr                                                        | M. FETROW                    | 1994-05-16                                             | dwg no                         |
|                       |                            |                                |                  |                                   |                                   | enr                                                       | L. FYE                       | 1994-05-16                                             | sheet 3 of 5                   |
|                       |                            |                                |                  |                                   |                                   | chr                                                       | L. FYE                       | 1994-05-16                                             | size                           |
|                       |                            |                                |                  |                                   |                                   | appd                                                      | L. FYE                       | 1994-05-16                                             | A4                             |
|                       |                            |                                |                  | sheet index                       | revision                          | sheet                                                     |                              |                                                        | type CUSTOMER Drawing          |



| PRODUCT NO.<br>NOTE 9 | CONTACT<br>AREA<br>DIM "A" | TERMINATION<br>AREA<br>DIM "B" | DIM "C"          | DIM "H"<br>FOR .062<br>1.57 BOARD | DIM "H"<br>FOR .093<br>2.36 BOARD | DIM "H"<br>FOR .125<br>3.17 BOARD | OVERALL<br>LENGTH<br>DIM "L" | CUSTOMER<br>RESTRICTED |
|-----------------------|----------------------------|--------------------------------|------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------|------------------------|
| 7615X-028             | .305/7.75                  | .035/0.89                      | .039/0.99 NOTE 7 | .310/7.87                         | .295/7.49                         | .280/7.11                         | .410/10.41                   | NO                     |
| 7615X-029             | .755/19.18                 | .345/8.76                      | .039/0.99 NOTE 7 | .760/19.30                        | .745/18.92                        | .730/18.54                        | 1.170/29.72                  | NO                     |
| 7615X-030             | .710/18.03                 | .345/8.76                      | .039/0.99 NOTE 7 | .715/18.16                        | .700/17.78                        | .685/17.40                        | 1.125/28.58                  | NO                     |
| 7615X-031             | .545/13.84                 | .198/5.03                      | .039/0.99 NOTE 7 | .550/13.97                        | .535/13.59                        | .520/13.21                        | .813/20.65                   | NO                     |
| 7615X-032             |                            |                                |                  |                                   |                                   |                                   |                              |                        |
| 7615X-033             | .335/8.51                  | .375/9.53                      | .039/0.99 NOTE 7 | .340/8.64                         | .325/8.26                         | .310/7.87                         | .780/19.81                   | NO                     |
| 7615X-034             | .535/13.59                 | .045/1.14                      | .039/0.99 NOTE 7 | .540/13.72                        | .525/13.34                        | .510/12.95                        | .650/16.51                   | NO                     |
| 7615X-035             | .560/14.22                 | .260/6.60                      | .039/0.99 NOTE 7 | .565/14.35                        | .550/13.97                        | .535/13.59                        | .890/22.61                   | NO                     |
| 7615X-036             | .510/12.95                 | .381/9.68                      | .039/0.99 NOTE 7 | .515/13.08                        | .500/12.70                        | .485/12.32                        | .961/24.41                   | NO                     |
| 7615X-037             | .325/8.26                  | .101/2.57                      | .039/0.99 NOTE 7 | .330/8.38                         | .315/8.00                         | .300/7.62                         | .496/12.60                   | NO                     |
| 7615X-038             | .595/15.11                 | .330/8.38                      | .039/0.99 NOTE 7 | .600/15.24                        | .585/14.86                        | .570/14.48                        | .995/25.27                   | NO                     |
| 7615X-039             | .755/19.18                 | .065/1.65                      | .039/0.99 NOTE 7 | .760/19.30                        | .745/18.92                        | .730/18.54                        | .890/22.61                   | NO                     |
| 7615X-040             | .315/8.00                  | .395/10.03                     | .039/0.99 NOTE 7 | .320/8.13                         | .305/7.75                         | .290/7.37                         | .780/19.81                   | NO                     |
| 7615X-041             | .230/5.84                  | .080/2.03                      | .039/0.99 NOTE 7 | .235/5.97                         | .220/5.59                         | .205/5.21                         | .380/9.65                    | NO                     |
| 7615X-042             | .870/22.10                 | .045/1.14                      | .039/0.99 NOTE 7 | .875/22.23                        | .860/21.84                        | .845/21.46                        | .985/25.02                   | NO                     |
| 7615X-043             | .504/12.80                 | .329/8.36                      | .039/0.99 NOTE 7 | .509/12.80                        | .494/12.55                        | .479/12.17                        | .900/22.86                   | NO                     |
| 7615X-044             | .324/8.23                  | .056/1.42                      | .039/0.99 NOTE 7 | .329/8.36                         | .314/7.98                         | .299/7.60                         | .450/11.43                   | NO                     |
| 7615X-045             | .499/12.68                 | .056/1.42                      | .039/0.99 NOTE 7 | .504/12.80                        | .489/12.42                        | .474/12.04                        | .625/15.88                   | NO                     |
| 7615X-046             | .430/10.92                 | .535/13.59                     | .039/0.99 NOTE 7 | .435/11.05                        | .420/10.67                        | .405/10.29                        | 1.035/26.29                  | NO                     |
| 7615X-047             | .375/9.53                  | .070/1.78                      | .039/0.99 NOTE 7 | .380/9.65                         | .365/9.27                         | .350/8.89                         | .515/13.08                   | NO                     |
| 7615X-048             | .375/9.53                  | .275/6.99                      | .039/0.99 NOTE 7 | .380/9.65                         | .365/9.27                         | .350/8.89                         | .720/18.29                   | NO                     |
| 7615X-049             | .545/13.84                 | .070/1.78                      | .039/0.99 NOTE 7 | .550/13.97                        | .535/13.59                        | .520/13.21                        | .685/17.40                   | NO                     |
| 7615X-050             | .313/7.95                  | .317/8.05                      | .039/0.99 NOTE 7 | .318/8.08                         | .303/7.70                         | .288/7.32                         | .700/17.78                   | NO                     |
| 7615X-051             | .320/8.13                  | .045/1.14                      | .039/0.99 NOTE 7 | .325/8.26                         | .310/7.87                         | .295/7.49                         | .435/11.05                   | NO                     |
| 7615X-052             | .620/15.75                 | .590/14.99                     | .039/0.99 NOTE 7 | .625/15.88                        | .610/15.49                        | .595/15.11                        | 1.280/35.51                  | NO                     |
| 7615X-053             | .245/6.22                  | .045/1.14                      | .039/0.99 NOTE 7 | .250/6.35                         | .235/5.97                         | .220/5.59                         | .360/9.14                    | NO                     |
| 7615X-054             | .623/15.82                 | .270/6.86                      | .039/0.99 NOTE 7 | .628/15.95                        | .613/15.57                        | .598/15.19                        | .963/24.46                   | NO                     |

OBSOLETE

|                           |        |                |      |                                                           |                   |                         |  |                |  |                                |  |
|---------------------------|--------|----------------|------|-----------------------------------------------------------|-------------------|-------------------------|--|----------------|--|--------------------------------|--|
| mat'l. code<br>SEE NOTE 1 |        |                |      | surface<br>ASME Y14.5 <input checked="" type="checkbox"/> |                   | tolerance<br>ASME Y14.5 |  | projection<br> |  | product family<br>PIN PRODUCTS |  |
| ltr                       | ecr no | dr             | date | tolerances unless otherwise specified                     |                   |                         |  |                |  | title                          |  |
| AA                        |        |                |      | angles                                                    | XX*01/X*3         |                         |  |                |  | BERGPIN® LOOSE PIECE           |  |
|                           |        |                |      |                                                           | XXX*005/XXX*13    |                         |  |                |  | .039"[0.99] DIA. STAR          |  |
|                           |        |                |      | 0° ±2'                                                    | XXXX*0020/XXX*051 |                         |  | scale 1:1      |  | dwg no                         |  |
|                           |        |                |      | dr                                                        | M. FETROW         | 1994-05-16              |  |                |  | sheet 4 of 5                   |  |
|                           |        |                |      | enr                                                       | L. FYE            | 1994-05-16              |  |                |  | size                           |  |
|                           |        |                |      | chr                                                       | L. FYE            | 1994-05-16              |  |                |  | 76151                          |  |
|                           |        |                |      | appd                                                      | L. FYE            | 1994-05-16              |  |                |  | A4                             |  |
| sheet index               |        | revision sheet |      |                                                           |                   |                         |  |                |  | type CUSTOMER Drawing          |  |



| PRODUCT NO.<br>NOTE 9 | CONTACT<br>AREA<br>DIM "A" | TERMINATION<br>AREA<br>DIM "B" | DIM "C"          | DIM "H"<br>FOR .062<br>1.57 BOARD | DIM "H"<br>FOR .093<br>2.36 BOARD | DIM "H"<br>FOR .125<br>3.17 BOARD | OVERALL<br>LENGTH<br>DIM "L" | CUSTOMER<br>RESTRICTED |
|-----------------------|----------------------------|--------------------------------|------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------|------------------------|
| 7615X-055             | .684/17.37                 | .051/1.30                      | .039/0.99 NOTE 7 | .689/17.50                        | .674/17.12                        | .659/16.74                        | .800/20.32                   | NO                     |
| 7615X-056             | .295/7.49                  | .192/4.88                      | .039/0.99 NOTE 7 | .300/7.62                         | .285/7.24                         | .270/6.86                         | .552/14.02                   | NO                     |
| 7615X-057             | .785/19.94                 | .050/1.27                      | .039/0.99 NOTE 7 | .790/20.07                        | .775/19.69                        | .760/19.30                        | .900/22.86                   | NO                     |
| 7615X-058             | .747/18.97                 | .524/13.31                     | .039/0.99 NOTE 7 | .752/19.10                        | .737/18.72                        | .722/18.34                        | 1.335/33.91                  | NO                     |
| 7615X-059             | .230/5.84                  | .135/3.43                      | .039/0.99 NOTE 7 | .235/5.97                         | .220/5.59                         | .205/5.20                         | .430/10.92                   | NO                     |
| 7615X-060             | .400/10.16                 | .440/11.18                     | .039/0.99 NOTE 7 | .405/10.29                        | .390/9.91                         | .375/9.53                         | .910/23.11                   | NO                     |
| 7615X-061             | .280/7.11                  | .192/4.88                      | .039/0.99 NOTE 7 | .285/7.24                         | .270/6.86                         | .255/6.48                         | .542/13.77                   | NO                     |
| 7615X-062             | .280/7.11                  | .085/2.16                      | .039/0.99 NOTE 7 | .285/7.24                         | .270/6.86                         | .255/6.48                         | .435/11.05                   | NO                     |
| 7615X-063             | .100/2.54                  | .050/1.27                      | .039/0.99 NOTE 7 | .105/2.67                         | .090/2.29                         | .075/1.91                         | .220/5.59                    | NO                     |
| 7615X-064             | .380/9.65                  | .650/16.51                     | .039/0.99 NOTE 7 | .385/9.78                         | .370/9.40                         | .355/9.02                         | 1.100/27.94                  | NO                     |
| 7615X-065             | .610/15.49                 | .030/0.76                      | .038/0.97 NOTE 8 | .615/15.62                        | .600/15.24                        | .585/14.86                        | .710/18.03                   | YES                    |
| 7615X-066             | .822/20.88                 | .045/1.14                      | .039/0.99 NOTE 7 | .827/21.01                        | .812/20.63                        | .797/20.24                        | .937/23.80                   | NO                     |
| 7615X-067             | .945/24.00                 | .045/1.14                      | .039/0.99 NOTE 7 | .945/24.00                        | .935/23.75                        | .920/23.37                        | 1.055/26.80                  | NO                     |
| 7615X-068             | .194/4.93                  | .042/1.07                      | .039/0.99 NOTE 7 | .196/4.98                         | .181/4.60                         | .165/4.19                         | .306/7.77                    | NO                     |
| 7615X-069             | .220/5.59                  | .220/5.59                      | .039/0.99 NOTE 7 | .225/5.72                         | .210/5.33                         | .195/4.95                         | .510/12.95                   | NO                     |

|                           |        |                |      |                                                           |                   |                         |  |                |  |                                |              |
|---------------------------|--------|----------------|------|-----------------------------------------------------------|-------------------|-------------------------|--|----------------|--|--------------------------------|--------------|
| mat'l. code<br>SEE NOTE 1 |        |                |      | surface<br>ASME Y14.5 <input checked="" type="checkbox"/> |                   | tolerance<br>ASME Y14.5 |  | projection<br> |  | product family<br>PIN PRODUCTS |              |
| ltr                       | ecr no | dr             | date | tolerances unless otherwise specified                     |                   |                         |  |                |  | title                          |              |
| AA                        |        |                |      | angles                                                    | XX*01/X*3         |                         |  | INCH/MM        |  | BERGPIN® LOOSE PIECE           |              |
|                           |        |                |      |                                                           | XXX*005/XX*13     |                         |  |                |  | .039"[0.99] DIA. STAR          |              |
|                           |        |                |      | 0° ±2'                                                    | XXXX*0020/XXX*051 |                         |  | scale 1:1      |  | dwg no                         |              |
|                           |        |                |      | dr                                                        | M. FETROW         | 1994-05-16              |  |                |  |                                | sheet 5 of 5 |
|                           |        |                |      | enr                                                       | L. FYE            | 1994-05-16              |  |                |  |                                | size         |
|                           |        |                |      | chr                                                       | L. FYE            | 1994-05-16              |  |                |  |                                | A4           |
|                           |        |                |      | appd                                                      | L. FYE            | 1994-05-19              |  |                |  |                                | type         |
| sheet index               |        | revision sheet |      |                                                           |                   |                         |  |                |  | CUSTOMER Drawing               |              |