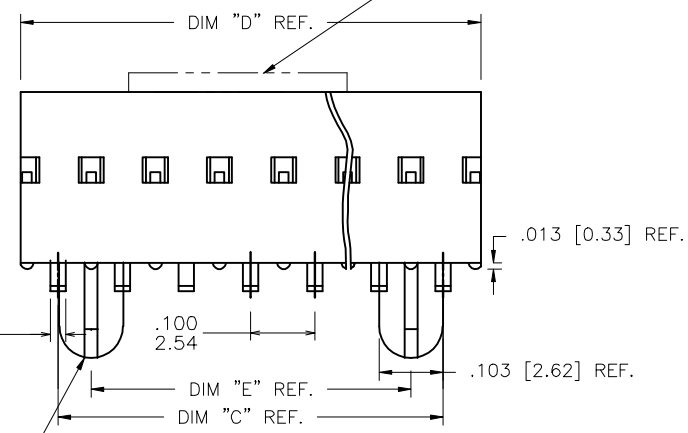
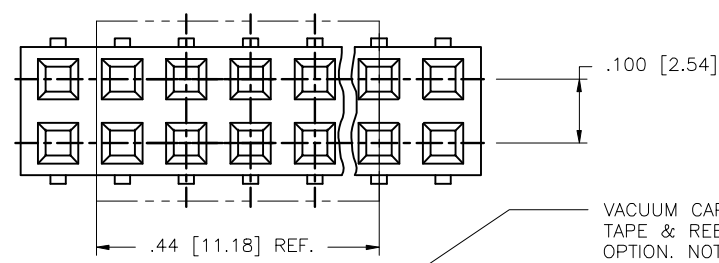


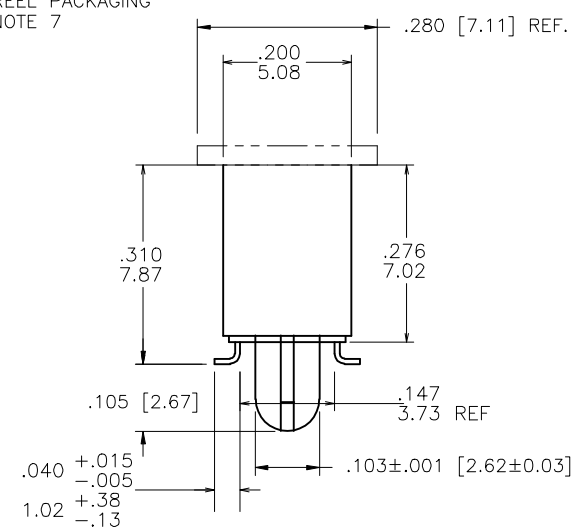
PRODUCT NO.  
SEE TABLE

68622 - XXX 2 - LF  
 LEAD FREE OPTION  
 PACKAGING OPTION NOTE8. OMIT IF NOT REQUIRED.  
 HOUSING WITH SMALL ROUND PEGS. OMIT IF NOT REQUIRED.  
 SEE CONFIGURATION PAGE 3  
 NO. OF POSITIONS PER ROW  
 PLATING CODE  
 BASE PART NUMBER

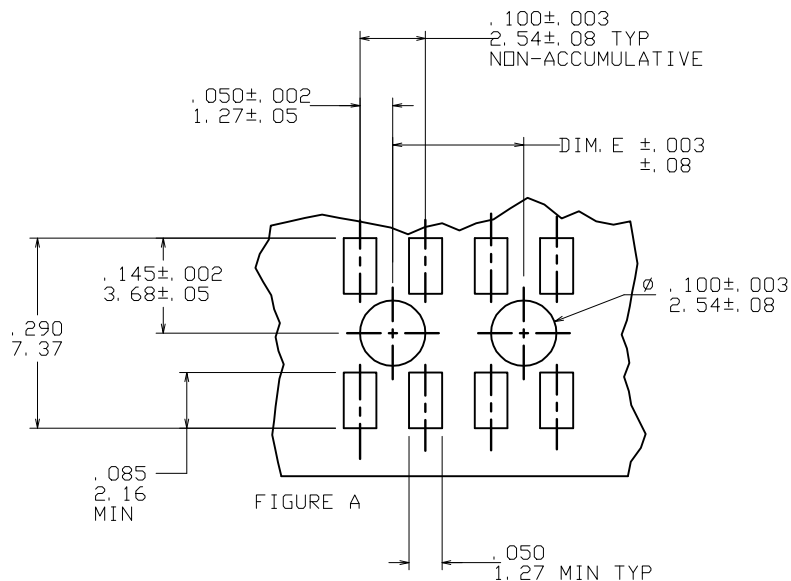


SEE PEG OPTION

VACUUM CAP FOR  
TAPE & REEL PACKAGING  
OPTION. NOTE 7



|                                   |          |     |          |                                       |                                  |                        |                          |
|-----------------------------------|----------|-----|----------|---------------------------------------|----------------------------------|------------------------|--------------------------|
| mat'l. code<br>SEE NOTES 1, 3 & 7 |          |     |          | Surface<br>ISO 1302                   | Tolerance<br>ISO 406<br>ISO 1101 | projection<br>ISO 1302 | product family<br>DUBOX  |
| ltr                               | ecn no   | dr  | date     | tolerances unless otherwise specified |                                  | INCH/MM                | title                    |
| P                                 | V03-0309 | HTB | 4/28/03  | angles                                | .XX±.01/XX±0.3                   |                        | SMT DOUBLE ROW           |
| R                                 | V05-0463 | DPU | 06/28/05 | linear                                | .XXX±.006/XX±0.13                | scale 1:1              | LATCHED VCC ASSEMBLY     |
| S                                 | M06-0237 | MN  | 06/19/06 | O'±2'                                 | .XXX±.0020/XXX±0.051             |                        | dwg no                   |
| T                                 | M06-0433 | AGS | 10/31/06 | dr                                    | J. SHREINER                      | 12/18/90               | sheet 1 of 5 size        |
| U                                 | M07-0203 | AGS | 05/02/07 | engr                                  | M. HAHN                          | 12/18/90               | 68622 A3                 |
| V                                 | M09-0032 | MHT | 02/25/09 | chr                                   | M. HAHN                          | 12/18/90               | type                     |
| W                                 | M09-0057 | MHT | 3/25/09  | appd                                  | M. HAHN                          | 12/18/90               | Product Customer Drawing |
| sheet                             | revision | W   | W        | W                                     | W                                | W                      |                          |
| index                             | sheet    | 1   | 2        | 3                                     | 4                                | 5                      |                          |



## STANDARD PCB RECOMMENDED

### NOTES:

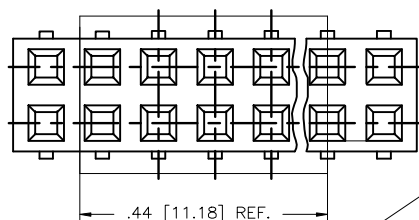
- ① MATERIAL TERMINAL: PHOSPHOR BRONZE, EXTRA HARD.
2. RECOMMENDED APPLICATION DATA:
  - A. RECOMMENDED SOLDER PAD PATTERN IS SHOWN IN FIGURE A.
  - B. ALL MATING PINS TO BE .025/.64 SQUARE ON TRUE CENTER OF GIVEN TERMINAL SPACING WITHIN .015/.38 DIA.
  - C. SUGGESTED MATING PIN LENGTH .210 ±.020/5.33 ±.51.
- ③ MATERIAL HOUSING: G.F. POLYESTER, COLOR: BLACK FLAME RETARDANT PER UL 94 -V0  
THIS PART WILL WITHSTAND EXPOSURES TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.
4. PRESTAMPED POST PLATED TERMINALS.
5. TAPE AND REEL PACKAGING PER GES-14-334.

6. TAPE AND REEL PACKAGING FOR 24mm WIDE AND BELOW HAVE PILOT HOLES ON ONE SIDE OF TAPE ONLY. SIZES ABOVE 24mm HAVE PILOT HOLES ON BOTH SIDES OF TAPE.
- ⑦ VACUUM PICK-UP CAP MATERIAL: L.C.P. FLAME RETARDANT PER UL 94V-0.  
COLOR: BLACK
8. ADD SUFFIX "P" TO PART DASH NUMBER FOR TAPE AND REEL PACKAGING.  
EXAMPLE: 68622-XXXX
9. MAXIMUM LENGTH OF CONNECTOR FOR TAPE AND REEL PACKAGING IS 2.50 INCHES LONG/63.5 MM.
10. TAPE & REEL PACKAGING 72mm WIDE TAPE WITH 16mm POCKET PITCH.
- ⑪ TAPE & REEL PACKAGING 88mm WIDE TAPE WITH 12mm POCKET PITCH.
12. FCI, FCI FINAL PART NUMBER AND DATE CODE TO BE MARKED ON TUBE LABEL.
- ⑬ ADD LF SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
14. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- ⑮ PLATING OPTIONS:  
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

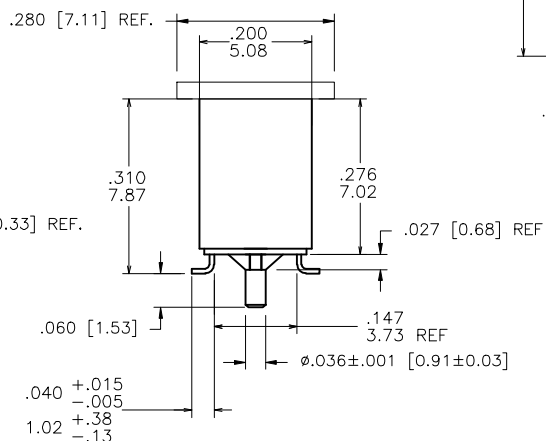
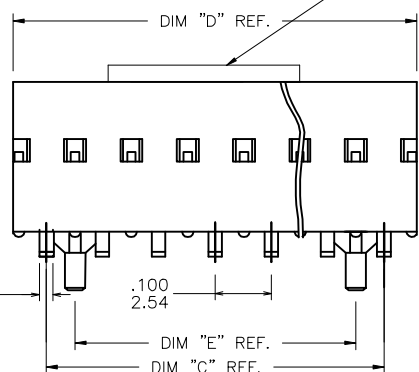
|                                 |                   |                     |                                  |                                                                 |                                                 |
|---------------------------------|-------------------|---------------------|----------------------------------|-----------------------------------------------------------------|-------------------------------------------------|
| mat'l code<br>SEE NOTES 1,3 & 7 |                   | surface<br>ISO 1302 | tolerance<br>ISO 406<br>ISO 1101 | projection<br>ISO 1001                                          | product family<br>DUBOX                         |
| ltr                             | ecp no            | dr                  | date                             | tolerances unless otherwise specified                           | title<br>SMT DOUBLE ROW<br>LATCHED VCC ASSEMBLY |
| w                               |                   |                     |                                  | angles<br>linear<br>XX±.01/XX±0.3<br>XXX±.005/XXX±0.13<br>O'±2' | INCH/MM<br>scale 1:1                            |
|                                 |                   |                     |                                  | dr<br>J. SHREINER 12/18/90                                      | dwg no<br>68622                                 |
|                                 |                   |                     |                                  | engr<br>M. HAHN 12/18/90                                        | sheet 2 of 5 size<br>A3                         |
|                                 |                   |                     |                                  | chr<br>M. HAHN 12/18/90                                         | type<br>Product Customer Drawing                |
|                                 |                   |                     |                                  | appd<br>M. HAHN 12/18/90                                        |                                                 |
| sheet<br>index                  | revision<br>sheet |                     |                                  |                                                                 |                                                 |

| PRODUCT NO<br>NOTE 13 | PLATING CONTACT AREA                                   | PLATING SOLDER TAIL           | MATERIAL<br>REF. |
|-----------------------|--------------------------------------------------------|-------------------------------|------------------|
| 68622-2XX             | 15u"/.38u Au MIN OVER 50u"/1.27u Ni MIN<br>SEE NOTE 15 | 100u"/160u" Sn<br>2.54u/4.06u | NOTE 3 & 4       |
| 68622-3XX             | 30u"/.76u Au MIN OVER 50u"/1.27u Ni MIN<br>SEE NOTE 15 | 100u"/160u" Sn<br>2.54u/4.06u | NOTE 3 & 4       |
| 68622-6XX             | 30u"/.76u Au MIN OVER 50u"/1.27u Ni MIN<br>SEE NOTE 15 | 100u"/160u" Sn<br>2.54u/4.06u | NOTE 3 & 4       |

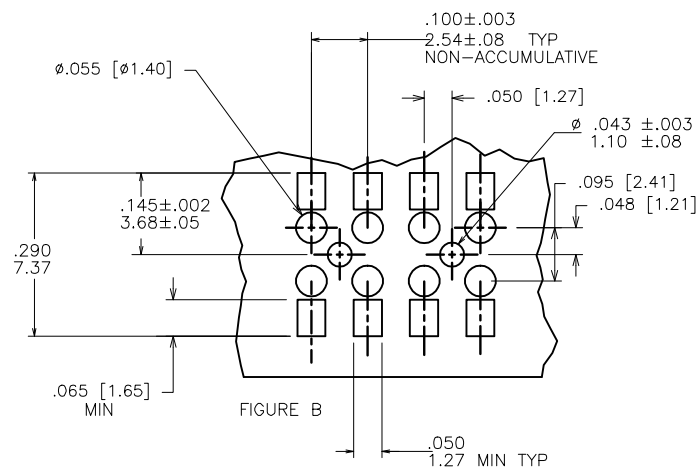
NOTE 13  
NOTE 13  
NOTE 13



VACUUM CAP FOR  
TAPE & REEL PACKAGING  
OPTION. NOTE 7



SMALL ROUND PEGS



SMALL ROUND PEGS  
PCB RECOMMENDED

|                                   |                |    |          |                                       |                                  |                       |                                                 |
|-----------------------------------|----------------|----|----------|---------------------------------------|----------------------------------|-----------------------|-------------------------------------------------|
| mat'l. code<br>SEE NOTES 1, 3 & 7 |                |    |          | surface<br>ISO 1902                   | tolerance<br>ISO 406<br>ISO 1101 | projection<br>INCH/MM | product family<br>DUBOX                         |
| ltr                               | ecm no         | dr | date     | tolerances unless otherwise specified |                                  | scale 1:1             | title<br>SMT DOUBLE ROW<br>LATCHED VCC ASSEMBLY |
| w                                 |                |    |          | angles                                | linear                           |                       | dwg no<br>68622                                 |
|                                   |                |    |          | 0° ± 2°                               |                                  |                       | sheet 3 of 5 size<br>A3                         |
| dr                                | J. SHREINER    |    | 12/18/90 | engr                                  | M. HAHN                          | 12/18/90              | FCI                                             |
| chr                               | M. HAHN        |    | 12/18/90 | appd                                  | M. HAHN                          | 12/18/90              |                                                 |
| sheet index                       | revision sheet |    |          |                                       |                                  |                       |                                                 |
|                                   |                |    |          |                                       |                                  |                       | type Product Customer Drawing                   |



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| PRODUCT NO.<br>NOTE 13 |  | NO. OF<br>POSITION | C DIM         | D DIM         | E DIM         | TAPE & REEL<br>PACKAGING |
|------------------------|--|--------------------|---------------|---------------|---------------|--------------------------|
| 68622-Y04              |  | 2 X 4              | . 300/7. 62   | . 417/10. 59  | . 200/ 5. 08  | NO                       |
| -Y05                   |  | 2 X 5              | . 400/10. 16  | . 517/13. 13  | . 300/ 7. 62  | NO                       |
| -Y06                   |  | 2 X 6              | . 500/12. 70  | . 617/15. 67  | . 400/10. 16  | NO                       |
| -Y07                   |  | 2 X 7              | . 600/15. 24  | . 717/18. 21  | . 500/12. 70  | NO                       |
| -Y08                   |  | 2 X 8              | . 700/17. 78  | . 817/20. 75  | . 600/15. 24  | NO                       |
| -Y09                   |  | 2 X 9              | . 800/20. 32  | . 917/23. 29  | . 700/17. 78  | NO                       |
| -Y10                   |  | 2 X 10             | . 900/22. 86  | 1. 017/25. 83 | . 800/20. 32  | NO                       |
| -Y11                   |  | 2 X 11             | 1. 000/25. 40 | 1. 117/28. 37 | . 900/22. 86  | NO                       |
| -Y12                   |  | 2 X 12             | 1. 100/27. 94 | 1. 217/30. 91 | 1. 000/25. 40 | NO                       |
| -Y13                   |  | 2 X 13             | 1. 200/30. 48 | 1. 317/33. 45 | 1. 100/27. 94 | NO                       |
| -Y14                   |  | 2 X 14             | 1. 300/33. 02 | 1. 417/35. 99 | 1. 200/30. 48 | NO                       |
| -Y15                   |  | 2 X 15             | 1. 400/35. 56 | 1. 517/38. 53 | 1. 300/33. 02 | NO                       |
| -Y16                   |  | 2 X 16             | 1. 500/38. 10 | 1. 617/41. 07 | 1. 400/35. 56 | NO                       |
| -Y17                   |  | 2 X 17             | 1. 600/40. 64 | 1. 717/43. 61 | 1. 500/38. 10 | NO                       |
| -Y18                   |  | 2 X 18             | 1. 700/43. 18 | 1. 817/46. 15 | 1. 600/40. 64 | NO                       |
| -Y19                   |  | 2 X 19             | 1. 800/45. 72 | 1. 917/48. 69 | 1. 700/43. 18 | NO                       |
| -Y20                   |  | 2 X 20             | 1. 900/48. 26 | 2. 017/51. 23 | 1. 800/45. 72 | NO                       |
| -Y21                   |  | 2 X 21             | 2. 000/50. 80 | 2. 117/53. 77 | 1. 900/48. 26 | NO                       |
| -Y22                   |  | 2 X 22             | 2. 100/53. 34 | 2. 217/56. 31 | 2. 000/50. 80 | NO                       |
| -Y23                   |  | 2 X 23             | 2. 200/55. 88 | 2. 317/58. 85 | 2. 100/53. 34 | NO                       |
| -Y24                   |  | 2 X 24             | 2. 300/58. 42 | 2. 417/61. 39 | 2. 200/55. 88 | NO                       |
| 68622-Y25              |  | 2 X 25             | 2. 400/60. 96 | 2. 517/63. 93 | 2. 300/58. 42 | NO                       |

NOTE 13

|                                  |                |    |      |                                       |                                  |             |                                                 |
|----------------------------------|----------------|----|------|---------------------------------------|----------------------------------|-------------|-------------------------------------------------|
| mat'l. code<br>SEE NOTES 1,3 & 7 |                |    |      | Surface<br>ISO 1302                   | tolerance<br>ISO 406<br>ISO 1101 | projection  | product family<br>DUBOX                         |
| ltr                              | ecn no         | dr | date | tolerances unless otherwise specified |                                  | <br>INCH/MM | title<br>SMT DOUBLE ROW<br>LATCHED VCC ASSEMBLY |
| w                                |                |    |      | angles                                | linear                           |             |                                                 |
|                                  |                |    |      |                                       |                                  | scale 1:1   |                                                 |
|                                  |                |    |      | dr                                    | J. SHREINER                      | 12/18/90    | dwg no                                          |
|                                  |                |    |      | engr                                  | M. HAHN                          | 12/18/90    | sheet 4 of 5 size                               |
|                                  |                |    |      | chr                                   | M. HAHN                          | 12/18/90    | 68622 A3                                        |
|                                  |                |    |      | appd                                  | M. HAHN                          | 12/18/90    | type Product Customer Drawing                   |
| sheet index                      | revision sheet |    |      |                                       |                                  |             |                                                 |



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| PRODUCT NO.<br>NOTE 13 |      | NO. OF<br>POSITION | C DIM          | D DIM          | E DIM          | TAPE & REEL<br>PACKAGING | LF<br>OPTIONS |
|------------------------|------|--------------------|----------------|----------------|----------------|--------------------------|---------------|
| 68622-Y26              |      | 2 X 26             | 2. 500/63. 50  | 2. 617/66. 47  | 2. 400/60. 96  | NO                       | NOTE 13       |
|                        | -Y27 | 2 X 27             | 2. 600/66. 04  | 2. 717/69. 01  | 2. 500/63. 50  | NO                       |               |
|                        | -Y28 | 2 X 28             | 2. 700/68. 58  | 2. 817/71. 55  | 2. 600/66. 04  | NO                       |               |
|                        | -Y29 | 2 X 29             | 2. 800/71. 12  | 2. 917/74. 09  | 2. 700/68. 58  | NO                       |               |
|                        | -Y30 | 2 X 30             | 2. 900/73. 66  | 3. 017/76. 63  | 2. 800/71. 12  | NO                       |               |
|                        | -Y31 | 2 X 31             | 3. 000/76. 20  | 3. 117/79. 17  | 2. 900/73. 66  | NO                       |               |
|                        | -Y32 | 2 X 32             | 3. 100/78. 74  | 3. 217/81. 71  | 3. 000/76. 20  | NO                       |               |
|                        | -Y33 | 2 X 33             | 3. 200/81. 28  | 3. 317/84. 25  | 3. 100/78. 74  | NO                       |               |
|                        | -Y34 | 2 X 34             | 3. 300/83. 82  | 3. 417/86. 79  | 3. 200/81. 28  | NO                       |               |
|                        | -Y35 | 2 X 35             | 3. 400/86. 36  | 3. 517/89. 33  | 3. 300/83. 82  | NO                       |               |
|                        | -Y36 | 2 X 36             | 3. 500/88. 90  | 3. 617/91. 87  | 3. 400/86. 36  | NO                       |               |
|                        | -Y37 | 2 X 37             | 3. 600/91. 44  | 3. 717/94. 41  | 3. 500/88. 90  | NO                       |               |
|                        | -Y38 | 2 X 38             | 3. 700/93. 98  | 3. 817/96. 95  | 3. 600/91. 44  | NO                       |               |
|                        | -Y39 | 2 X 39             | 3. 800/96. 52  | 3. 917/99. 49  | 3. 700/93. 98  | NO                       |               |
|                        | -Y40 | 2 X 40             | 3. 900/99. 06  | 4. 017/102. 03 | 3. 800/ 96. 52 | NO                       |               |
|                        | -Y41 | 2 X 41             | 4. 000/101. 60 | 4. 117/104. 57 | 3. 900/99. 06  | NO                       |               |
|                        | -Y42 | 2 X 42             | 4. 100/104. 14 | 4. 217/107. 11 | 4. 000/101. 60 | NO                       |               |
|                        | -Y43 | 2 X 43             | 4. 200/106. 68 | 4. 317/109. 65 | 4. 100/104. 14 | NO                       |               |
|                        | -Y44 | 2 X 44             | 4. 300/109. 22 | 4. 417/112. 19 | 4. 200/106. 68 | NO                       |               |
|                        | -Y45 | 2 X 45             | 4. 400/111. 76 | 4. 517/114. 73 | 4. 300/109. 22 | NO                       |               |
|                        | -Y46 | 2 X 46             | 4. 500/114. 30 | 4. 617/117. 27 | 4. 400/111. 76 | NO                       |               |
|                        | -Y47 | 2 X 47             | 4. 600/116. 84 | 4. 717/119. 81 | 4. 500/114. 30 | NO                       |               |
|                        | -Y48 | 2 X 48             | 4. 700/119. 38 | 4. 817/122. 35 | 4. 600/116. 84 | NO                       |               |
|                        | -Y49 | 2 X 49             | 4. 800/121. 92 | 4. 917/124. 89 | 4. 700/119. 38 | NO                       |               |
| 68622-Y50              |      | 2 X 50             | 4. 900/124. 46 | 5. 017/127. 43 | 4. 800/121. 92 | NO                       |               |
| 68622-Y25P             |      | 2 X 25             | 2. 400/60. 96  | 2. 517/63. 93  | 2. 300/58. 42  | YES                      |               |

NOTES 7&11

|                                  |  |                   |  |                     |  |                                  |  |                |  |                          |  |
|----------------------------------|--|-------------------|--|---------------------|--|----------------------------------|--|----------------|--|--------------------------|--|
| mat'l. code<br>SEE NOTES 1,3 & 7 |  |                   |  | Surface<br>ISO 1302 |  | tolerance<br>ISO 406<br>ISO 1101 |  | projection<br> |  | product family<br>DUBOX  |  |
| ltr                              |  |                   |  | ecp no              |  | dr                               |  | date           |  | title                    |  |
| w                                |  |                   |  |                     |  |                                  |  |                |  | SMT DOUBLE ROW           |  |
|                                  |  |                   |  |                     |  |                                  |  |                |  | LATCHED VCC ASSEMBLY     |  |
|                                  |  |                   |  |                     |  |                                  |  |                |  | dwg no                   |  |
|                                  |  |                   |  |                     |  |                                  |  |                |  | sheet 5 of 5 size        |  |
|                                  |  |                   |  |                     |  |                                  |  |                |  | A3                       |  |
|                                  |  |                   |  |                     |  |                                  |  |                |  | type                     |  |
|                                  |  |                   |  |                     |  |                                  |  |                |  | Product Customer Drawing |  |
| sheet<br>index                   |  | revision<br>sheet |  |                     |  |                                  |  |                |  |                          |  |