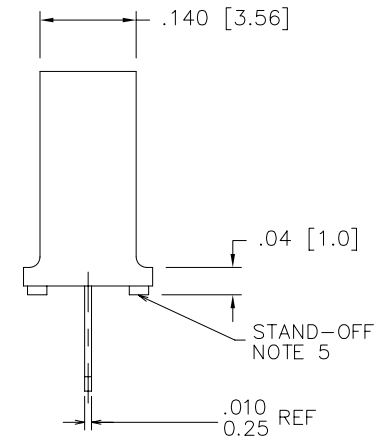
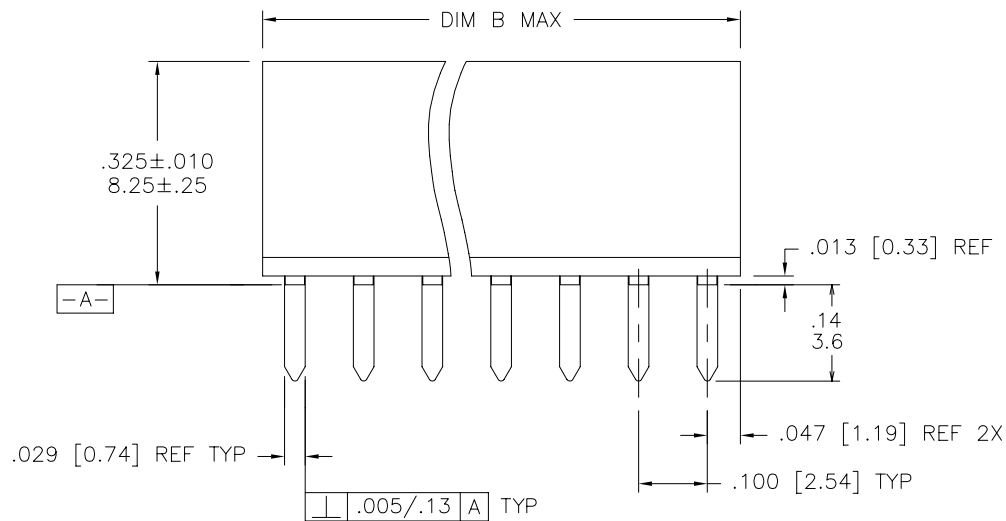
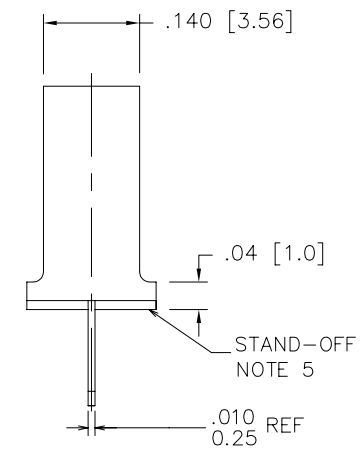
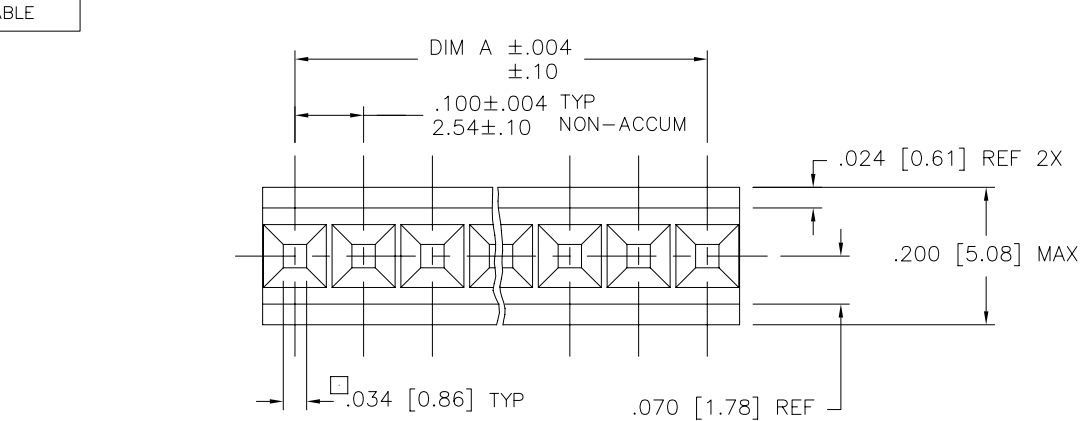




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|             |          |     |    |            |                                       |                     |                         |            |           |                                               |                                                       |  |  |
|-------------|----------|-----|----|------------|---------------------------------------|---------------------|-------------------------|------------|-----------|-----------------------------------------------|-------------------------------------------------------|--|--|
| mat'l. code |          |     |    | surface    |                                       | tolerance           |                         | projection |           | product family                                |                                                       |  |  |
| NOTES 1 & 2 |          |     |    | ISO 1302 ✓ |                                       | ISO 406<br>ISO 1101 |                         |            |           | CARD CONN                                     |                                                       |  |  |
| ltr         | ecr      | no  | dr | date       | tolerances unless otherwise specified |                     |                         |            |           |                                               | title                                                 |  |  |
| F           | V11848   | JGS |    | 7/2/91     | angles                                | linear              | .XX±.01 / .X±.3         |            |           |                                               |                                                       |  |  |
| G           | V23245   | MRC |    | 10/13/92   |                                       |                     | .XXX±0.005 / .XX±.13    |            | scale 4:1 |                                               | VERTICAL CARD CONNECTOR<br>.100/2.54 CTR. SINGLE. ROW |  |  |
| H           | V70789   | MDF |    | 8/14/97    | 0'±2"                                 |                     | .XXXX±.0020 / .XXX±.051 |            |           |                                               |                                                       |  |  |
| J           | V94468   | MDF |    | 1/7/00     | dr                                    | J.SHREINER          | 12/11/90                |            |           | dwg no<br>sheet 1 of 4<br>size<br>66951<br>A3 |                                                       |  |  |
| K           | M05-0216 | ERE |    | 10/11/05   | enr                                   | M.HAHN              | 12/11/90                |            |           |                                               |                                                       |  |  |
| L           | M06-0210 | MHT |    | 6/03/06    | chr                                   | M.HAHN              | 12/11/90                |            |           |                                               |                                                       |  |  |
| M           | M07-0143 | ERE |    | 03/03/07   | appd                                  | M.HAHN              | 12/11/90                |            |           |                                               |                                                       |  |  |
| sheet       | revision | M   | M  | M          | M                                     | M                   |                         |            |           | type Product Customer Drawing                 |                                                       |  |  |
| index       | sheet    | 1   | 2  | 3          | 4                                     |                     |                         |            |           |                                               |                                                       |  |  |

form: A3

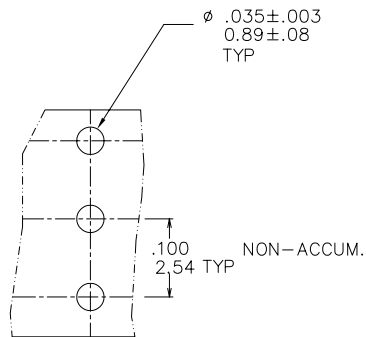


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## NOTES:

- ①. HOUSING MATERIAL: FILLED POLYESTER, FLAME RETARDANT PER UL 94V-0.  
COLOR: BLACK.
- ②. TERMINAL MATERIAL:  
BODY: BRASS  
SPRING: BeCu. HEAT TREATED  
BODY PLATING: 30u"/.76u Au OVER 50u" /1.27u Ni IN CONTACT AREA.  
100u"/2.54u Sn (NOTE 9) OVER 50u" /1.27u Ni ON SOLDER TAIL.  
SPRING PLATING: GOLD FLASH
3. MARKED FCI PART NUMBER & DATE CODE LEGIBLE ON TUBE LABEL.
4. APPLICATION INFORMATION.  
A. RECOMMENDED MOUNTING HOLE PATTERN IS SHOWN IN FIG. #1.  
B. ALL MATING PINS TO BE .025/.64 SQUARE ON TRUE CENTER OF GIVEN  
TERMINAL SPACINGS, WITHIN .015/.38 DIAMETER.  
C. SUGGESTED MATING PIN LENGTH, .210 ± .020 / 5.33 ± .51.
- ⑤. STAND-OFF CONFIGURATION:  
BUMP OR RIB AT MANUFACTURERS' OPTION.
- ⑥. ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- ⑦. THESE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER  
COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
8. THIS PART WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE  
FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED OR VAPOR PHASE  
SOLDER PROCESS.
- ⑨. "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND  
HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT  
ENVIRONMENTS."

|             |     |          |    |          |                                       |             |                            |  |  |  |
|-------------|-----|----------|----|----------|---------------------------------------|-------------|----------------------------|--|--|--|
| mat'l. code |     |          |    | surface  | tolerance                             | projection  | product family             |  |  |  |
|             |     |          |    | ISO 1302 | ISO 406<br>ISO 1101                   |             | CARD CONN                  |  |  |  |
| ltr         | ecr | no       | dr | date     | tolerances unless otherwise specified |             | title                      |  |  |  |
| M           |     |          |    |          | angles                                | linear      | VERTICAL CARD CONNECTOR    |  |  |  |
|             |     |          |    |          | 0° ± 2°                               |             | .100/2.54 CTR. SINGLE. ROW |  |  |  |
|             |     |          |    |          | dr                                    | J. SHREINER | dwg no                     |  |  |  |
|             |     |          |    |          | enr                                   | M. HAHN     | sheet 2 of 4 size          |  |  |  |
|             |     |          |    |          | chr                                   | M. HAHN     | 66951                      |  |  |  |
|             |     |          |    |          | appd                                  | M. HAHN     | A3                         |  |  |  |
| sheet       |     | revision |    |          |                                       |             | type                       |  |  |  |
| index       |     | sheet    |    |          |                                       |             | Product Customer Drawing   |  |  |  |

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| PRODUCT NO | NO. OF POS          | DIM A       | DIM B       | DESC P/N ON<br>-8XX SERIES ONLY | LEAD FREE<br>OPTION                 |
|------------|---------------------|-------------|-------------|---------------------------------|-------------------------------------|
| 66951-Y01  | U N A S S I G N E D |             |             |                                 |                                     |
| -Y02       | 1X2                 | .100/2.54   | .200/5.08   | WWWWW-02                        | OBS<br><br>NOTE 6,7<br><br>NOTE 6,7 |
| -Y03       | 1X3                 | .200/5.08   | .300/7.62   | WWWWW-03                        |                                     |
| -Y04       | 1X4                 | .300/7.62   | .400/10.16  | WWWWW-04                        |                                     |
| -Y05       | 1X5                 | .400/10.16  | .500/12.70  | WWWWW-05                        |                                     |
| -Y06       | 1X6                 | .500/12.70  | .600/15.24  | WWWWW-06                        |                                     |
| -Y07       | 1X7                 | .600/15.24  | .700/17.78  | WWWWW-07                        |                                     |
| -Y08       | 1X8                 | .700/17.78  | .800/20.32  | WWWWW-08                        |                                     |
| -Y09       | 1X9                 | .800/20.32  | .900/22.86  | WWWWW-09                        |                                     |
| -Y10       | 1X10                | .900/22.86  | 1.000/25.40 | WWWWW-10                        |                                     |
| -Y11       | 1X11                | 1.000/25.40 | 1.100/27.94 | WWWWW-11                        |                                     |
| -Y12       | 1X12                | 1.100/27.94 | 1.200/30.48 | WWWWW-12                        |                                     |
| -Y13       | 1X13                | 1.200/30.48 | 1.300/33.02 | WWWWW-13                        |                                     |
| -Y14       | 1X14                | 1.300/33.02 | 1.400/35.56 | WWWWW-14                        |                                     |
| -Y15       | 1X15                | 1.400/35.56 | 1.500/38.10 | WWWWW-15                        |                                     |
| -Y16       | 1X16                | 1.500/38.10 | 1.600/40.64 | WWWWW-16                        |                                     |
| -Y17       | 1X17                | 1.600/40.64 | 1.700/43.18 | WWWWW-17                        |                                     |
| -Y18       | 1X18                | 1.700/43.18 | 1.800/45.72 | WWWWW-18                        |                                     |
| -Y19       | 1X19                | 1.800/45.72 | 1.900/48.26 | WWWWW-19                        |                                     |
| -Y20       | 1X20                | 1.900/48.26 | 2.000/50.80 | WWWWW-20                        |                                     |
| -Y21       | 1X21                | 2.000/50.80 | 2.100/53.34 | WWWWW-21                        |                                     |
| -Y22       | 1X22                | 2.100/53.34 | 2.200/55.88 | WWWWW-22                        |                                     |
| -Y23       | 1X23                | 2.200/55.88 | 2.300/58.42 | WWWWW-23                        |                                     |
| -Y24       | 1X24                | 2.300/58.42 | 2.400/60.96 | WWWWW-24                        |                                     |
| 66951-Y25  | 1X25                | 2.400/60.96 | 2.500/63.50 | WWWWW-25                        | NOTE 6,7                            |

|             |                |    |      |                                       |                                  |                              |                               |
|-------------|----------------|----|------|---------------------------------------|----------------------------------|------------------------------|-------------------------------|
| mat'l. code |                |    |      | surface<br>ISO 1302 ✓                 | tolerance<br>ISO 406<br>ISO 1101 | projection<br>               | product family<br>CARD CONN   |
| ltr         | ecn no         | dr | date | tolerances unless otherwise specified |                                  | <br>INCH/MM<br>scale 4:1<br> | title                         |
| M           |                |    |      | angles                                | linear                           |                              | VERTICAL CARD CONNECTOR       |
|             |                |    |      | 0°±2'                                 |                                  |                              | .100/2.54 CTR. SINGLE. ROW    |
|             |                |    |      | dr                                    | J.SHREINER                       | 12/11/90                     | dwg no                        |
|             |                |    |      | enr                                   | M.HAHN                           | 12/11/90                     | sheet 3 of 4 size             |
|             |                |    |      | chr                                   | M.HAHN                           | 12/11/90                     | 66951 A3                      |
|             |                |    |      | appd                                  | M.HAHN                           | 12/11/90                     | type Product Customer Drawing |
| sheet index | revision sheet |    |      |                                       |                                  |                              |                               |

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| PRODUCT NO | NO. OF POS | DIM A       | DIM B       | DESC P/N ON<br>-8XX SERIES ONLY | LEAD FREE<br>OPTION |
|------------|------------|-------------|-------------|---------------------------------|---------------------|
| 66951-Y26  | 1X26       | 2.500/63.50 | 2.600/66.04 | WWWWW-26                        | NOTE 6,7            |
| -Y27       | 1X27       | 2.600/66.04 | 2.700/68.58 | WWWWW-27                        |                     |
| -Y28       | 1X28       | 2.700/68.58 | 2.800/71.12 | WWWWW-28                        |                     |
| -Y29       | 1X29       | 2.800/71.12 | 2.900/73.66 | WWWWW-29                        |                     |
| -Y30       | 1X30       | 2.900/73.66 | 3.000/76.20 | WWWWW-30                        |                     |
| -Y31       | 1X31       | 3.000/76.20 | 3.100/78.74 | WWWWW-31                        |                     |
| -Y32       | 1X32       | 3.100/78.74 | 3.200/81.28 | WWWWW-32                        |                     |
| -Y33       | 1X33       | 3.200/81.28 | 3.300/83.82 | WWWWW-33                        |                     |
| -Y34       | 1X34       | 3.300/83.82 | 3.400/86.36 | WWWWW-34                        |                     |
| -Y35       | 1X35       | 3.400/86.36 | 3.500/88.90 | WWWWW-35                        |                     |
| 66951-Y36  | 1X36       | 3.500/88.90 | 3.600/91.44 | WWWWW-36                        | NOTE 6,7            |

|             |                |    |    |                                                         |                                                    |                          |                               |
|-------------|----------------|----|----|---------------------------------------------------------|----------------------------------------------------|--------------------------|-------------------------------|
| mat'l. code |                |    |    | surface<br>ISO 1302 <input checked="" type="checkbox"/> | tolerance<br>ISO 406<br>ISO 1101                   | projection<br>           | product family<br>CARD CONN   |
| ltr         | ecn            | no | dr | date                                                    | tolerances unless otherwise specified              | INCH/MM<br>scale 4:1<br> | title                         |
| M           |                |    |    |                                                         | angles linear .XX±.01/.X±.3                        |                          | VERTICAL CARD CONNECTOR       |
|             |                |    |    |                                                         | 0'±2' .XXX±.0.005/.XX±.13<br>.XXXX±.0020/.XXX±.051 |                          | .100/2.54 CTR. SINGLE. ROW    |
|             |                |    |    | dr                                                      | J.SHREINER 12/11/90                                |                          | dwg no                        |
|             |                |    |    | enr                                                     | M.HAHN 12/11/90                                    |                          | sheet 4 of 4 size             |
|             |                |    |    | chr                                                     | M.HAHN 12/11/90                                    |                          | 66951 A3                      |
|             |                |    |    | appd                                                    | M.HAHN 12/11/90                                    |                          | type Product Customer Drawing |
| sheet index | revision sheet |    |    |                                                         |                                                    |                          |                               |