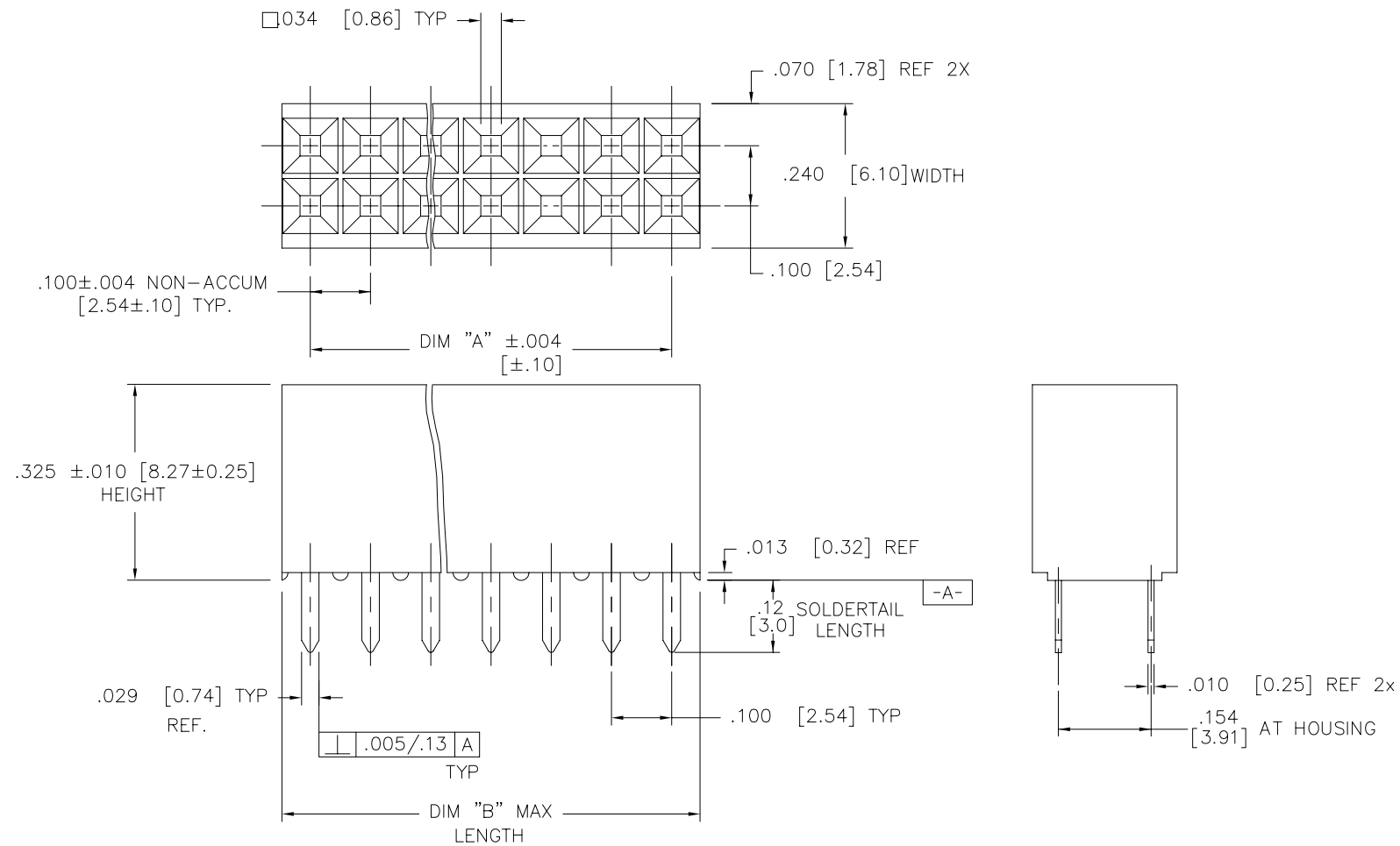




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PRODUCT NUMBER  
SEE TABLE



|                            |             |     |          |                       |                                       |                       |                               |
|----------------------------|-------------|-----|----------|-----------------------|---------------------------------------|-----------------------|-------------------------------|
| mat'l. code<br>NOTES 1 & 2 |             |     |          | surface<br>ISO 1302 ✓ | tolerance<br>ISO 406<br>ISO 1101      | projection<br>INCH/MM | product family<br>CARD CONN   |
| ltr                        | ecr         | no  | dr       | date                  | tolerances unless otherwise specified |                       | title                         |
| E                          | ADD MARKING | SR  | 2/18/91  |                       | angles                                | linear                | VERT. CARD CONNECTOR          |
| F                          | V23244      | MRC | 10/01/92 |                       |                                       |                       | .154/3.91 CTR. DOUBLE ROW     |
| G                          | V71141      | MDF | 8/7/97   | 0'±2'                 |                                       |                       | scale 4:1                     |
| H                          | C70056      | RGD | 10/13/97 | dr                    | J.MUSTARD                             | 1/2/91                | dwg no                        |
| J                          | M05-0216    | ERE | 10/11/05 | enr                   | M.HAHN                                | 1/2/91                | sheet 1 of 3 size             |
| K                          | M06-0210    | MHT | 6/03/06  | chr                   | M.HAHN                                | 1/2/91                | 66956 A3                      |
| L                          | M07-0143    | ERE | 03/03/07 | appd                  | M.HAHN                                | 1/2/91                | type Product Customer Drawing |
| sheet                      | revision    | L   | L        | L                     |                                       |                       |                               |
| index                      | sheet       | 1   | 2        | 3                     |                                       |                       |                               |

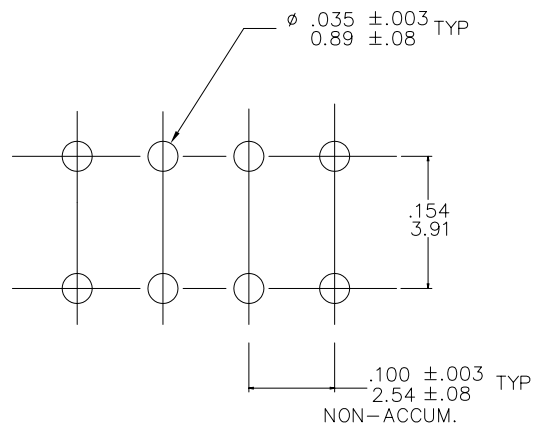
form: A3

PRODUCT NUMBER

SEE TABLE

## NOTES:

- ①. HOUSING MATERIAL: FILLED POLYESTER, FLAME RETARDANT PER UL 94V-0.  
COLOR: BLACK.
- ②. TERMINAL MATERIAL:  
BODY: BRASS .010/.25 THICK.  
SPRING: BeCu. HEAT TREATED  
BODY PLATING: 30u"/.76u Au OVER 50u"/1.27 Ni IN CONTACT AREA.  
100u"/2.54u Sn (NOTE 8) OVER 50u"/1.27 Ni ON SOLDER TAIL  
SPRING PLATING: GOLD FLASH
- ③. MARK FCI PART NUMBER AND 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. ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- ⑥. THESE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER  
COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
7. THIS PART WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE  
FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED OR VAPOR PHASE  
SOLDER PROCESS.
- ⑧. "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<br>ISO 1302 ✓ | tolerance<br>ISO 406<br>ISO 1101      | projection<br>INCH/MM | product family<br>CARD CONN   |
| ltr         | ecn            | no | dr | date                  | tolerances unless otherwise specified |                       | title                         |
| L           |                |    |    |                       | linear .XX±.01/.X±.3                  |                       | VERT. CARD CONNECTOR          |
|             |                |    |    |                       | 0°±2' .XXX±.0.005/.XX±.13             |                       | .154/3.91 CTR. DOUBLE ROW     |
|             |                |    |    |                       | .XXXX±.0020/.XXX±.051                 |                       | scale 4:1                     |
|             |                |    |    | dr                    | J.MUSTARD 1/2/91                      |                       | dwg no                        |
|             |                |    |    | enr                   | M.HAHN 1/2/91                         |                       | sheet 2 of 3 size             |
|             |                |    |    | chr                   | M.HAHN 1/2/91                         |                       | 66956 A3                      |
|             |                |    |    | appd                  | M.HAHN 1/2/91                         |                       | type Product Customer Drawing |
| sheet index | revision sheet |    |    |                       |                                       |                       |                               |



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| PRODUCT NO | NO. OF POS. | DIM A       | DIM B       | DESC PART NO. ON<br>-8XX SERIES ONLY | LEAD FREE<br>OPTION |
|------------|-------------|-------------|-------------|--------------------------------------|---------------------|
| 66956-Y01  |             | UNASSIGNED  |             |                                      |                     |
| -Y02       | 2X2         | .100/2.54   | .200/5.08   | WWWWW-02                             | NOTE 5,6            |
| -Y03       | 2X3         | .200/5.08   | .300/7.62   | WWWWW-03                             |                     |
| -Y04       | 2X4         | .300/7.62   | .400/10.16  | WWWWW-04                             |                     |
| -Y05       | 2X5         | .400/10.16  | .500/12.70  | WWWWW-05                             |                     |
| -Y06       | 2X6         | .500/12.70  | .600/15.24  | WWWWW-06                             |                     |
| -Y07       | 2X7         | .600/15.24  | .700/17.78  | WWWWW-07                             |                     |
| -Y08       | 2X8         | .700/17.78  | .800/20.32  | WWWWW-08                             |                     |
| -Y09       | 2X9         | .800/20.32  | .900/22.86  | WWWWW-09                             |                     |
| -Y10       | 2X10        | .900/22.86  | 1.000/25.40 | WWWWW-10                             |                     |
| -Y11       | 2X11        | 1.000/25.40 | 1.100/27.94 | WWWWW-11                             |                     |
| -Y12       | 2X12        | 1.100/27.94 | 1.200/30.48 | WWWWW-12                             |                     |
| -Y13       | 2X13        | 1.200/30.48 | 1.300/33.02 | WWWWW-13                             |                     |
| -Y14       | 2X14        | 1.300/33.02 | 1.400/35.56 | WWWWW-14                             |                     |
| -Y15       | 2X15        | 1.400/35.56 | 1.500/38.10 | WWWWW-15                             |                     |
| -Y16       | 2X16        | 1.500/38.10 | 1.600/40.64 | WWWWW-16                             |                     |
| -Y17       | 2X17        | 1.600/40.64 | 1.700/43.18 | WWWWW-17                             |                     |
| -Y18       | 2X18        | 1.700/43.18 | 1.800/45.72 | WWWWW-18                             |                     |
| -Y19       | 2X19        | 1.800/45.72 | 1.900/48.26 | WWWWW-19                             |                     |
| -Y20       | 2X20        | 1.900/48.26 | 2.000/50.80 | WWWWW-20                             |                     |
| -Y21       | 2X21        | 2.000/50.80 | 2.100/53.34 | WWWWW-21                             |                     |
| -Y22       | 2X22        | 2.100/53.34 | 2.200/55.88 | WWWWW-22                             |                     |
| -Y23       | 2X23        | 2.200/55.88 | 2.300/58.42 | WWWWW-23                             |                     |
| -Y24       | 2X24        | 2.300/58.42 | 2.400/60.96 | WWWWW-24                             |                     |
| -Y25       | 2X25        | 2.400/60.96 | 2.500/63.50 | WWWWW-25                             |                     |
| -Y26       | 2X26        | 2.500/63.50 | 2.600/66.04 | WWWWW-26                             |                     |
| -Y27       | 2X27        | 2.600/66.04 | 2.700/68.58 | WWWWW-27                             |                     |
| -Y28       | 2X28        | 2.700/68.58 | 2.800/71.12 | WWWWW-28                             |                     |
| -Y29       | 2X29        | 2.800/71.12 | 2.900/73.66 | WWWWW-29                             |                     |
| -Y30       | 2X30        | 2.900/73.66 | 3.000/76.20 | WWWWW-30                             |                     |
| -Y31       | 2X31        | 3.000/76.20 | 3.100/78.74 | WWWWW-31                             |                     |
| -Y32       | 2X32        | 3.100/78.74 | 3.200/81.28 | WWWWW-32                             |                     |
| -Y33       | 2X33        | 3.200/81.28 | 3.300/83.82 | WWWWW-33                             |                     |
| -Y34       | 2X34        | 3.300/83.82 | 3.400/86.36 | WWWWW-34                             |                     |
| -Y35       | 2X35        | 3.400/86.36 | 3.500/88.90 | WWWWW-35                             |                     |
| 66956-Y36  | 2X36        | 3.500/88.90 | 3.600/91.44 | WWWWW-36                             |                     |

|             |                |    |    |                                                         |  |                                       |           |                     |  |                               |  |  |  |
|-------------|----------------|----|----|---------------------------------------------------------|--|---------------------------------------|-----------|---------------------|--|-------------------------------|--|--|--|
| 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 |           |                     |  | title                         |  |  |  |
| L           |                |    |    |                                                         |  | angles                                | linear    | .XX±.01/.X±.3       |  | INCH/MM                       |  |  |  |
|             |                |    |    |                                                         |  | 0'±2'                                 |           | .XXX±.0.005/.XX±.13 |  | scale 4:1                     |  |  |  |
|             |                |    |    |                                                         |  | dr                                    | J.MUSTARD | 1/2/91              |  | dwg no                        |  |  |  |
|             |                |    |    |                                                         |  | enr                                   | M.HAHN    | 1/2/91              |  | sheet 3 of 3 size             |  |  |  |
|             |                |    |    |                                                         |  | chr                                   | M.HAHN    | 1/2/91              |  | 66956 A3                      |  |  |  |
|             |                |    |    |                                                         |  | appd                                  | M.HAHN    | 1/2/91              |  | type Product Customer Drawing |  |  |  |
| sheet index | revision sheet |    |    |                                                         |  |                                       |           |                     |  |                               |  |  |  |