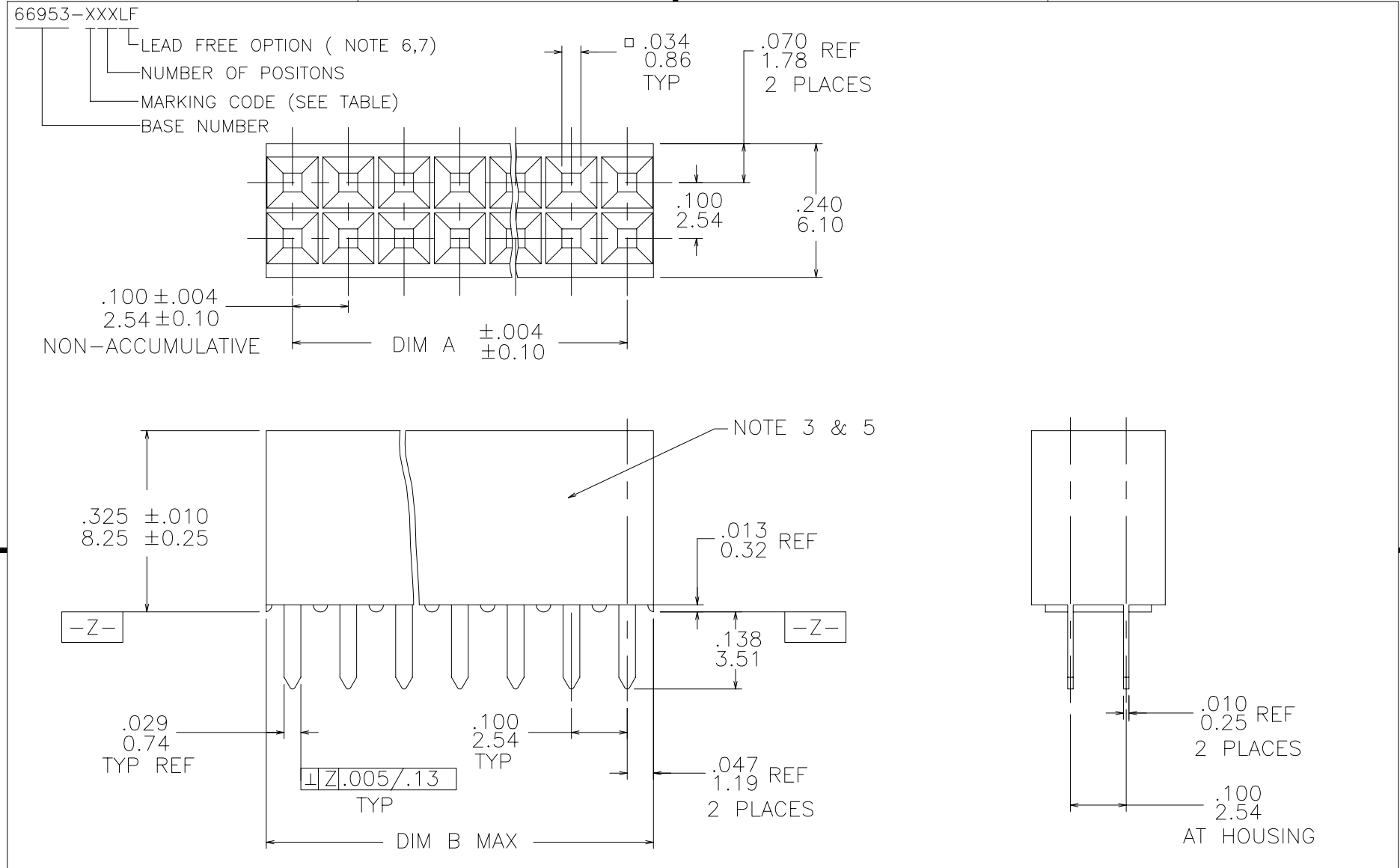


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| mat'l. code | | | | tolerances unless otherwise specified | | | | CUSTOMER COPY | | www.fciconnect.com | |
| ltr | ecn no | dr | date | linear | .XX ±.01/.X±.3 | | projection | title | | | |
| G | V23244 | MRC | 9/30/92 | | .XXX ±.005/.XX±.13 | | | VERT. CARD CONN. | | code | |
| H | V50931 | SAR | 8/8/95 | angles | .XXXX ±.0020/.XXX±.051 | | INCH/MM | D/R .100/2.54 CC | | sheet | |
| J | V50963 | LSS | 8/16/95 | | 0° ±2' | | | scale | | product family | |
| K | V70788 | LSS | 6/12/97 | dr | M. FETROW | 6/26/89 | 1:1 | VCC | | size | |
| L | V80354 | EPK | 3/6/98 | engr | M. HAHN | 6/26/89 | | A | | 66953 | |
| M | V94468 | MDF | 1/11/00 | chr | M. HAHN | 6/26/89 | cage code | | 22526 | | |
| N | M05-0124 | MHT | 6/06/05 | appd | M. HAHN | 6/26/89 | sheet index | | 1 2 3 | | |

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| | | |
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| PRODUCT NO. | MARKING CODE | |
| SEE TABLE | 66953-0XX | STANDARD MARKING PER NOTE 3 |
| | 66953-8XX | SPECIAL MIL MARKING PER NOTE 5 |

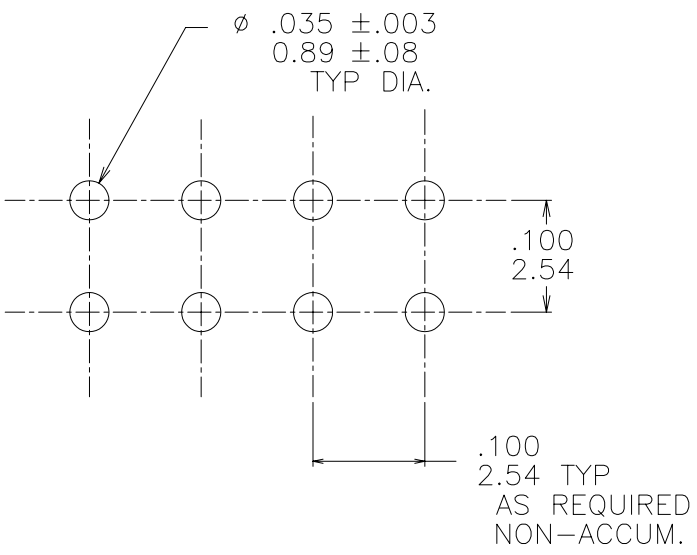


FIG. 1
SCALE 6:1

NOTES.

- HOUSING MATERIAL: FILLED POLYESTER, FLAME RETARDANT PER UL 94V-0. COLOR: BLACK.
- TERMINAL MATERIAL:
BODY: BRASS
SPRING: BeCu. HEAT TREATED
BODY PLATING: 30u"/.76 Au OVER 50u"/1.27u Ni IN CONTACT AREA.
100u"/2.54 TIN-LEAD OVER 50u"/1.27u Ni ON SOLDER TAIL.
SPRING PLATING: GOLD FLASH
LEAD FREE OPTION:
BODY PLATING: 30u"/.76 Au OVER 50u"/1.27u Ni IN CONTACT AREA.
100u"/2.54 TIN OVER 50u"/1.27u Ni ON SOLDER TAIL.
- PRODUCT DASH NUMBERS WITH FIRST DIGIT BEING "0" TO BE MARKED "FCI", FCI FINAL PART NUMBER AND DATE CODE WITH .060/1.52 HIGH LETTERS. PARTS 2 X 8 OR LESS HAVE THIS INFORMATION ON TUBE LABEL INSTEAD OF HOUSING. DASH NUMBER WITH "U" AS FOURTH DIGIT (XXXXX-XXXU) IS UNMARKED.
- 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.
- PRODUCT DASH NUMBERS WITH FIRST DIGIT BEING "8" TO BE MARKED "FCI", CAGE 22526, DESC WWWW- WW (NO. TO BE ASSIGNED), AND DATE. PARTS 2 X 8 OR LESS HAVE THIS INFORMATION ON TUBE LABEL INSTEAD OF HOUSING.
- ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 15 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.5mm MINIMUM THICK CIRCUIT BOARD. SEE APPLICATION NOTES/PROCEDURES IF THEY ARE AVAILABLE.

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| mat'l. code | | tolerances unless otherwise specified | | CUSTOMER COPY | | www.fciconnect.com | |
| ltr | ecn no | dr | date | linear | .XX ±.01/.X±.3 | projection | title |
| N | | | | | .XXX ±.005/.XX±.13 | | |
| | | | | angles | .XXX ±.0020/.XXX±.051 | INCH/MM | product family |
| | | | | dr | 0° ±2° | | |
| | | | | enr | M. FETROW 6/26/89 | 1:1 | size |
| | | | | chr | M. HAHN 6/26/89 | | |
| | | | | appd | M. HAHN 6/26/89 | sheet | 2 of |
| sheet index | revision sheet | | | | | | |

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| PRODUCT NO. | NO OF POSITIONS | DIM A | DIM B | DESC PART NUMBER ON -8XX SERIES ONLY |
|-------------|---------------------|-------------|-------------|--------------------------------------|
| 66953-Y01 | U N A S S I G N E D | | | |
| -Y02 | 2 X 2 | .100/2.54 | .200/5.08 | WWWWW-02 |
| -Y03 | 2 X 3 | .200/5.08 | .300/7.62 | WWWWW-03 |
| -Y04 | 2 X 4 | .300/7.62 | .400/10.16 | WWWWW-04 |
| -Y05 | 2 X 5 | .400/10.16 | .500/12.70 | WWWWW-05 |
| -Y06 | 2 X 6 | .500/12.70 | .600/15.24 | WWWWW-06 |
| -Y07 | 2 X 7 | .600/15.24 | .700/17.78 | WWWWW-07 |
| -Y08 | 2 X 8 | .700/17.78 | .800/20.32 | WWWWW-08 |
| -Y09 | 2 X 9 | .800/20.32 | .900/22.86 | WWWWW-09 |
| -Y10 | 2 X 10 | .900/22.86 | 1.000/25.40 | WWWWW-10 |
| -Y11 | 2 X 11 | 1.000/25.40 | 1.100/27.94 | WWWWW-11 |
| -Y12 | 2 X 12 | 1.100/27.94 | 1.200/30.48 | WWWWW-12 |
| -Y13 | 2 X 13 | 1.200/30.48 | 1.300/33.02 | WWWWW-13 |
| -Y14 | 2 X 14 | 1.300/33.02 | 1.400/35.56 | WWWWW-14 |
| -Y15 | 2 X 15 | 1.400/35.56 | 1.500/38.10 | WWWWW-15 |
| -Y16 | 2 X 16 | 1.500/38.10 | 1.600/40.64 | WWWWW-16 |
| -Y17 | 2 X 17 | 1.600/40.64 | 1.700/43.18 | WWWWW-17 |
| -Y18 | 2 X 18 | 1.700/43.18 | 1.800/45.72 | WWWWW-18 |
| -Y19 | 2 X 19 | 1.800/45.72 | 1.900/48.26 | WWWWW-19 |
| -Y20 | 2 X 20 | 1.900/48.26 | 2.000/50.80 | WWWWW-20 |
| -Y21 | 2 X 21 | 2.000/50.80 | 2.100/53.34 | WWWWW-21 |
| -Y22 | 2 X 22 | 2.100/53.34 | 2.200/55.88 | WWWWW-22 |
| -Y23 | 2 X 23 | 2.200/55.88 | 2.300/58.42 | WWWWW-23 |
| -Y24 | 2 X 24 | 2.300/58.42 | 2.400/60.96 | WWWWW-24 |
| -Y25 | 2 X 25 | 2.400/60.96 | 2.500/63.50 | WWWWW-25 |
| -Y26 | 2 X 26 | 2.500/63.50 | 2.600/66.04 | WWWWW-26 |
| -Y27 | 2 X 27 | 2.600/66.04 | 2.700/68.58 | WWWWW-27 |
| -Y28 | 2 X 28 | 2.700/68.58 | 2.800/71.12 | WWWWW-28 |
| -Y29 | 2 X 29 | 2.800/71.12 | 2.900/73.66 | WWWWW-29 |
| -Y30 | 2 X 30 | 2.900/73.66 | 3.000/76.20 | WWWWW-30 |
| -Y31 | 2 X 31 | 3.000/76.20 | 3.100/78.74 | WWWWW-31 |
| -Y32 | 2 X 32 | 3.100/78.74 | 3.200/81.28 | WWWWW-32 |
| -Y33 | 2 X 33 | 3.200/81.28 | 3.300/83.82 | WWWWW-33 |
| -Y34 | 2 X 34 | 3.300/83.82 | 3.400/86.36 | WWWWW-34 |
| -Y35 | 2 X 35 | 3.400/86.36 | 3.500/88.90 | WWWWW-35 |
| 66953-Y36 | 2 X 36 | 3.500/88.90 | 3.600/91.44 | WWWWW-36 |

OBS

| LF PRODUCT NO. | NO OF POSITIONS | DIM A | DIM B | DESC PART NUMBER ON -8XX SERIES ONLY |
|----------------|---------------------|-------------|-------------|--------------------------------------|
| 66953-Y01LF | U N A S S I G N E D | | | |
| -Y03LF | 2 X 3 | .200/5.08 | .300/7.62 | WWWWW-03 |
| -Y04LF | 2 X 4 | .300/7.62 | .400/10.16 | WWWWW-04 |
| -Y05LF | 2 X 5 | .400/10.16 | .500/12.70 | WWWWW-05 |
| -Y06LF | 2 X 6 | .500/12.70 | .600/15.24 | WWWWW-06 |
| -Y07LF | 2 X 7 | .600/15.24 | .700/17.78 | WWWWW-07 |
| -Y08LF | 2 X 8 | .700/17.78 | .800/20.32 | WWWWW-08 |
| -Y09LF | 2 X 9 | .800/20.32 | .900/22.86 | WWWWW-09 |
| -Y10LF | 2 X 10 | .900/22.86 | 1.000/25.40 | WWWWW-10 |
| -Y11LF | 2 X 11 | 1.000/25.40 | 1.100/27.94 | WWWWW-11 |
| -Y12LF | 2 X 12 | 1.100/27.94 | 1.200/30.48 | WWWWW-12 |
| -Y13LF | 2 X 13 | 1.200/30.48 | 1.300/33.02 | WWWWW-13 |
| -Y14LF | 2 X 14 | 1.300/33.02 | 1.400/35.56 | WWWWW-14 |
| -Y15LF | 2 X 15 | 1.400/35.56 | 1.500/38.10 | WWWWW-15 |
| -Y16LF | 2 X 16 | 1.500/38.10 | 1.600/40.64 | WWWWW-16 |
| -Y17LF | 2 X 17 | 1.600/40.64 | 1.700/43.18 | WWWWW-17 |
| -Y18LF | 2 X 18 | 1.700/43.18 | 1.800/45.72 | WWWWW-18 |
| -Y19LF | 2 X 19 | 1.800/45.72 | 1.900/48.26 | WWWWW-19 |
| -Y20LF | 2 X 20 | 1.900/48.26 | 2.000/50.80 | WWWWW-20 |
| -Y21LF | 2 X 21 | 2.000/50.80 | 2.100/53.34 | WWWWW-21 |
| -Y22LF | 2 X 22 | 2.100/53.34 | 2.200/55.88 | WWWWW-22 |
| -Y23LF | 2 X 23 | 2.200/55.88 | 2.300/58.42 | WWWWW-23 |
| -Y24LF | 2 X 24 | 2.300/58.42 | 2.400/60.96 | WWWWW-24 |
| -Y25LF | 2 X 25 | 2.400/60.96 | 2.500/63.50 | WWWWW-25 |
| -Y26LF | 2 X 26 | 2.500/63.50 | 2.600/66.04 | WWWWW-26 |
| -Y27LF | 2 X 27 | 2.600/66.04 | 2.700/68.58 | WWWWW-27 |
| -Y28LF | 2 X 28 | 2.700/68.58 | 2.800/71.12 | WWWWW-28 |
| -Y29LF | 2 X 29 | 2.800/71.12 | 2.900/73.66 | WWWWW-29 |
| -Y30LF | 2 X 30 | 2.900/73.66 | 3.000/76.20 | WWWWW-30 |
| -Y31LF | 2 X 31 | 3.000/76.20 | 3.100/78.74 | WWWWW-31 |
| -Y32LF | 2 X 32 | 3.100/78.74 | 3.200/81.28 | WWWWW-32 |
| -Y33LF | 2 X 33 | 3.200/81.28 | 3.300/83.82 | WWWWW-33 |
| -Y34LF | 2 X 34 | 3.300/83.82 | 3.400/86.36 | WWWWW-34 |
| -Y35LF | 2 X 35 | 3.400/86.36 | 3.500/88.90 | WWWWW-35 |
| 66953-Y36LF | 2 X 36 | 3.500/88.90 | 3.600/91.44 | WWWWW-36 |

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|-------------|----------------|---------------------------------------|------|---------------|-----------------------|------------------------|------------------------------------|
| mat'l. code | | tolerances unless otherwise specified | | CUSTOMER COPY | | www.fciconnect.com | |
| ltr | ecn no | dr | date | linear | .XX ±.01/.X±.3 | projection | title |
| N | | | | | .XXX ±.005/.XX±.13 | | |
| | | | | angles | .XXX ±.0020/.XXX±.051 | | product family VCC size/ dwg no |
| | | | | dr | 0° ±2° | | |
| | | | | enr | M. FETROW 6/26/89 | code 210 sheet 3 of | |
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| | | | | appd | M. HAHN 6/26/89 | | |
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ACAD

PDM: Rev:N

STATUS:Released

Printed: Feb 09, 2006

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22526