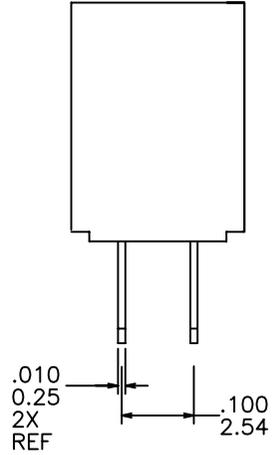
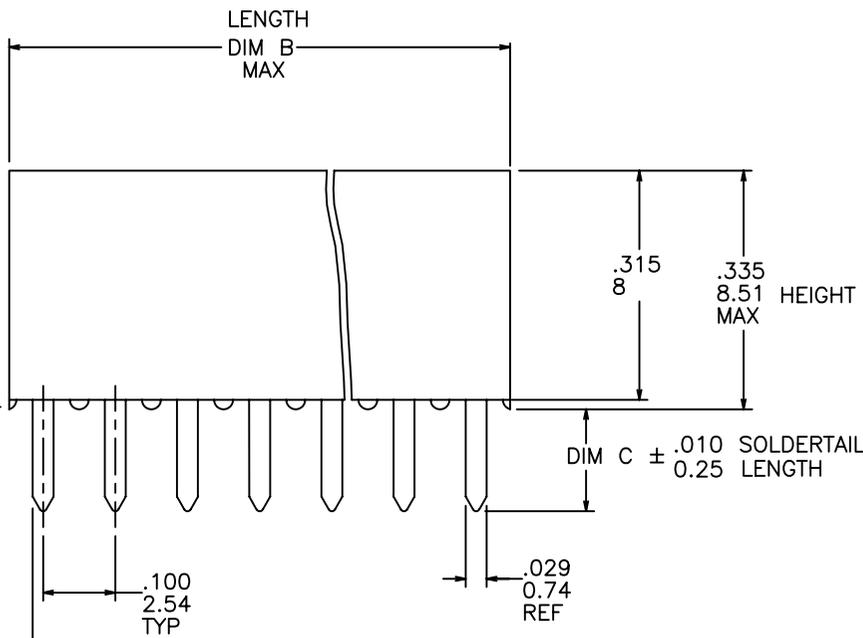
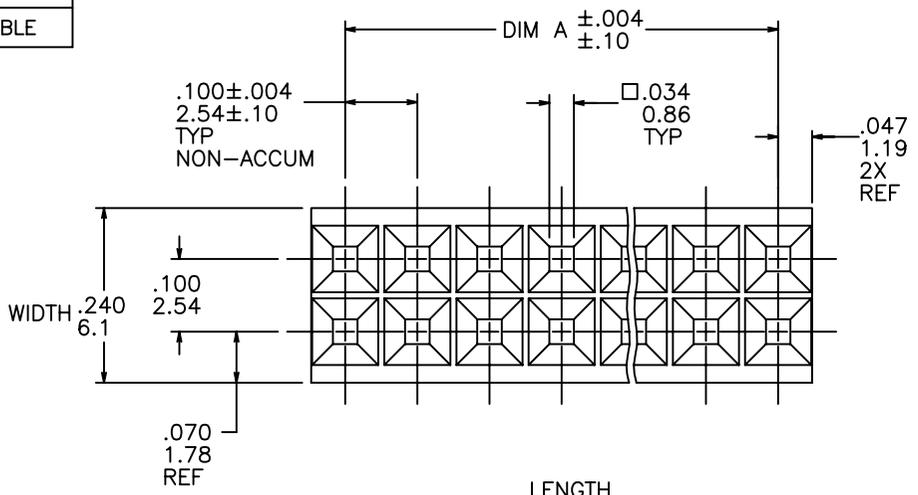




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PRODUCT NO.
SEE TABLE



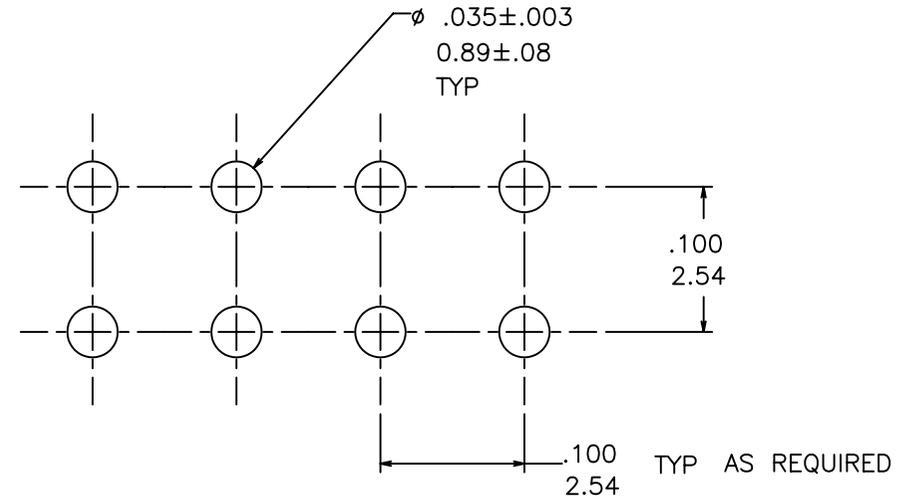
.005/.13 X
TYP

| | | | | | |
|-------------------------------|------------|-----------------------|----------------------------------|-------------------------|-----------------------------|
| mat'l. code SEE NOTE 1 & 2 | | surface ISO 1302 ✓ | tolerance ISO 406 ISO 1101 | projection INCH/MM | product family CARD CONN |
| ltr | ecn no | dr | date | title | |
| W | ELX-N-1389 | DCS | 2013-01-28 | VERT. CARD CONNECTOR | |
| X | ELX-N-1441 | DCS | 2013-03-05 | .100/2.54 CTR., DBL ROW | |
| S | v03-1072 | LP | 9/25/03 | dr | M.CLOUSER 3/25/94 |
| T | M05-0216 | ERE | 10/11/05 | enr | H. SUNDY 3/25/94 |
| U | M06-0210 | MHT | 6/03/06 | chr | H. SUNDY 3/25/94 |
| V | M07-0143 | ERE | 03/03/07 | app | H. SUNDY 3/25/94 |
| sheet | revision | X | X | X | X |
| index | sheet | 1 | 2 | 3 | 4 |



PRODUCT NO.

SEE TABLE



RECOMMENDED HOLE PATTERN
SCALE 4:1

NOTES:

- ① HOUSING MAT'L: FILLED POLYESTER.
FLAME RETARDANT PER UL 94V-0.
COLOR: BLACK.
- ② TERMINAL MATERIAL AND PLATING: SEE TABULATION.
- 3. RECOMMENDED PIN SIZE: .025±.001/.64±.03 SQUARE.
RECOMMENDED PIN LENGTH: .210±.020/5.33±.51.
- 4. MARK FCI PART NUMBER AND DATE CODE LEGIBLE
ON TUBE LABEL.
- 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."



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| | | | | | |
|-------------|----------------|-----------------------|----------------------------------|-------------------------------|---|
| mat'l. code | | surface ISO 1302 ✓ | tolerance ISO 406 ISO 1101 | projection ⊕ | product family CARD CONN |
| ltr | ecn no | dr | date | title | |
| X | | | | INCH/MM | VERT. CARD CONNECTOR .100/2.54 CTR., DBL ROW |
| | | | | scale 4:1 | |
| | | dr | M.CLOUSER 3/25/94 | dwg no sheet 2 of 6 size | |
| | | enr | H. SUNDY 3/25/94 | 65781 A3 | |
| | | chr | H. SUNDY 3/25/94 | type Product Customer Drawing | |
| | | appd | H. SUNDY 3/25/94 | | |
| sheet index | revision sheet | | | | |

| PRODUCT NUMBER | SIZE | DIM A | DIM B | MATERIAL AND PLATING | DIM C | LEAD FREE OPTION |
|----------------|------|---------------|---------------|--|-----------|------------------|
| 65781-001 | | | | UNASSIGNED | | |
| -002 | 2X2 | .100 / 2.54 | .200 / 5.08 | BODY MAT'L: BRASS BODY PLATING: 40u"/1.02u MIN THICK C.I. GOLD INSIDE CONTACT AREA, 2u"/.051u GOLD FLASH MIN ON REST OF TERMINAL BODY, OVER 50u"/ 1.27u MIN NICKEL SPRING MAT'L: BeCu HEAT TREATED SPRING PLATING: GOLD FLASH | .140/3.56 | |
| -003 | 2X3 | .200 / 5.08 | .300 / 7.62 | | | |
| -004 | 2X4 | .300 / 7.62 | .400 / 10.16 | | | |
| -005 | 2X5 | .400 / 10.16 | .500 / 12.70 | | | |
| -006 | 2X6 | .500 / 12.70 | .600 / 15.24 | | | |
| -007 | 2X7 | .600 / 15.24 | .700 / 17.78 | | | |
| -008 | 2X8 | .700 / 17.78 | .800 / 20.32 | | | |
| -009 | 2X9 | .800 / 20.32 | .900 / 22.86 | | | |
| -010 | 2X10 | .900 / 22.86 | 1.000 / 25.40 | | | |
| -011 | 2X11 | 1.000 / 25.40 | 1.100 / 27.94 | | | |
| -012 | 2X12 | 1.100 / 27.94 | 1.200 / 30.48 | | | |
| -013 | 2X13 | 1.200 / 30.48 | 1.300 / 33.02 | | | |
| -014 | 2X14 | 1.300 / 33.02 | 1.400 / 35.56 | | | |
| -015 | 2X15 | 1.400 / 35.56 | 1.500 / 38.10 | | | |
| -016 | 2X16 | 1.500 / 38.10 | 1.600 / 40.64 | | | |
| -017 | 2X17 | 1.600 / 40.64 | 1.700 / 43.18 | | | |
| -018 | 2X18 | 1.700 / 43.18 | 1.800 / 45.72 | | | |
| -019 | 2X19 | 1.800 / 45.72 | 1.900 / 48.26 | | | |
| -020 | 2X20 | 1.900 / 48.26 | 2.000 / 50.80 | | | |
| -021 | 2X21 | 2.000 / 50.80 | 2.100 / 53.34 | | | |
| -022 | 2X22 | 2.100 / 53.34 | 2.200 / 55.88 | | | |
| -023 | 2X23 | 2.200 / 55.88 | 2.300 / 58.42 | | | |
| -024 | 2X24 | 2.300 / 58.42 | 2.400 / 60.96 | | | |
| -025 | 2X25 | 2.400 / 60.96 | 2.500 / 63.50 | | | |
| -026 | 2X26 | 2.500 / 63.50 | 2.600 / 66.04 | | | |
| -027 | 2X27 | 2.600 / 66.04 | 2.700 / 68.58 | | | |
| -028 | 2X28 | 2.700 / 68.58 | 2.800 / 71.12 | | | |
| -029 | 2X29 | 2.800 / 71.12 | 2.900 / 73.66 | | | |
| -030 | 2X30 | 2.900 / 73.66 | 3.000 / 76.20 | | | |
| -031 | 2X31 | 3.000 / 76.20 | 3.100 / 78.74 | | | |
| -032 | 2X32 | 3.100 / 78.74 | 3.200 / 81.28 | | | |
| -033 | 2X33 | 3.200 / 81.28 | 3.300 / 83.82 | | | |
| -034 | 2X34 | 3.300 / 83.82 | 3.400 / 86.36 | | | |
| -035 | 2X35 | 3.400 / 86.36 | 3.500 / 88.90 | | | |
| 65781-036 | 2X36 | 3.500 / 88.90 | 3.600 / 91.44 | | | .140/3.56 |

OBS

NOTE 5,6

NOTE 5,6



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| | | | | | |
|-------------|----------------|---------------------------------------|----------------------|------------|-------------------------------|
| mat'l. code | | surface | tolerance | projection | product family |
| ltr | ecn no | ISO 1302 ✓ | ISO 406 | INCH/MM | CARD CONN |
| | dr | | ISO 1101 | | |
| | date | tolerances unless otherwise specified | | | title |
| X | | angles | .XX±.01/X±.3 | | VERT. CARD CONNECTOR |
| | | linear | .XXX±.0.005/.XX±.13 | | .100/2.54 CTR., DBL ROW |
| | | 0'±2' | .XXX±.0020/.XXX±.051 | scale 4:1 | dwg no |
| | | dr | M.CLOUSER 3/25/94 | | sheet 3 of 6 size |
| | | enr | H. SUNDY 3/25/94 | | 65781 A3 |
| | | chr | H. SUNDY 3/25/94 | | |
| | | app | H. SUNDY 3/25/94 | | type Product Customer Drawing |
| sheet index | revision sheet | | | | |

| PRODUCT NUMBER | SIZE | DIM A | DIM B | MATERIAL AND PLATING | DIM C | LEAD FREE OPTION |
|----------------|------|---------------|---------------|---|---|------------------------|
| 65781-037 | | | | UNASSIGNED | | |
| -038 | 2X2 | .100 / 2.54 | .200 / 5.08 | BRASS 100u"/2.54u THICK SN PLATE SPRING MAT'L: BeCu HEAT TREATED SPRING PLATING: 30u"/76u MIN ELECTROLESS TIN | .140/3.56 | OBS NOTES 5,6,8 |
| -039 | 2X3 | .200 / 5.08 | .300 / 7.62 | | | |
| -040 | 2X4 | .300 / 7.62 | .400 / 10.16 | | | |
| -041 | 2X5 | .400 / 10.16 | .500 / 12.70 | | | |
| -042 | 2X6 | .500 / 12.70 | .600 / 15.24 | | | |
| -043 | 2X7 | .600 / 15.24 | .700 / 17.78 | | | |
| -044 | 2X8 | .700 / 17.78 | .800 / 20.32 | | | |
| -045 | 2X9 | .800 / 20.32 | .900 / 22.86 | | | |
| -046 | 2X10 | .900 / 22.86 | 1.000 / 25.40 | | | |
| -047 | 2X11 | 1.000 / 25.40 | 1.100 / 27.94 | | | |
| -048 | 2X12 | 1.100 / 27.94 | 1.200 / 30.48 | | | |
| -049 | 2X13 | 1.200 / 30.48 | 1.300 / 33.02 | | | |
| -050 | 2X14 | 1.300 / 33.02 | 1.400 / 35.56 | | | |
| -051 | 2X15 | 1.400 / 35.56 | 1.500 / 38.10 | | | |
| -052 | 2X16 | 1.500 / 38.10 | 1.600 / 40.64 | | | |
| -053 | 2X17 | 1.600 / 40.64 | 1.700 / 43.18 | | | |
| -054 | 2X18 | 1.700 / 43.18 | 1.800 / 45.72 | | | |
| -055 | 2X19 | 1.800 / 45.72 | 1.900 / 48.26 | | | |
| -056 | 2X20 | 1.900 / 48.26 | 2.000 / 50.80 | | | |
| -057 | 2X21 | 2.000 / 50.80 | 2.100 / 53.34 | | | |
| -058 | 2X22 | 2.100 / 53.34 | 2.200 / 55.88 | | | |
| -059 | 2X23 | 2.200 / 55.88 | 2.300 / 58.42 | | | |
| -060 | 2X24 | 2.300 / 58.42 | 2.400 / 60.96 | | | |
| -061 | 2X25 | 2.400 / 60.96 | 2.500 / 63.50 | | | |
| -062 | 2X26 | 2.500 / 63.50 | 2.600 / 66.04 | | | |
| -063 | 2X27 | 2.600 / 66.04 | 2.700 / 68.58 | | | |
| -064 | 2X28 | 2.700 / 68.58 | 2.800 / 71.12 | | | |
| -065 | 2X29 | 2.800 / 71.12 | 2.900 / 73.66 | | | |
| -066 | 2X30 | 2.900 / 73.66 | 3.000 / 76.20 | | | |
| -067 | 2X31 | 3.000 / 76.20 | 3.100 / 78.74 | | | |
| -068 | 2X32 | 3.100 / 78.74 | 3.200 / 81.28 | | | |
| -069 | 2X33 | 3.200 / 81.28 | 3.300 / 83.82 | | | |
| -070 | 2X34 | 3.300 / 83.82 | 3.400 / 86.36 | | | |
| -071 | 2X35 | 3.400 / 86.36 | 3.500 / 88.90 | | | |
| 65781-072 | 2X36 | 3.500 / 88.90 | 3.600 / 91.44 | | BRASS 100u"/2.54u THICK SN PLATE SPRING MAT'L: BeCu HEAT TREATED SPRING PLATING: 30u"/76u MIN ELECTROLESS TIN | |

| | | | | | |
|-------------|----------------|-----------------------|----------------------------------|---|-----------------------------|
| mat'l. code | | surface ISO 1302 ✓ | tolerance ISO 406 ISO 1101 | projection | product family CARD CONN |
| ltr | ecn no | dr | date | title | |
| X | | | | VERT. CARD CONNECTOR .100/2.54 CTR., DBL ROW | |
| | | | | INCH/MM | |
| | | | | scale 4:1 | |
| | | dr | M.CLOUSER 3/25/94 | dwg no sheet 4 of 6 size | |
| | | enr | H. SUNDY 3/25/94 | 65781 A3 | |
| | | chr | H. SUNDY 3/25/94 | type Product Customer Drawing | |
| | | app | H. SUNDY 3/25/94 | | |
| sheet index | revision sheet | | | | |

| PRODUCT NUMBER | SIZE | DIM A | DIM B | MATERIAL AND PLATING | DIM C | LEAD FREE OPTION | |
|----------------|------|---------------|---------------|---|---|------------------|--|
| 65781-073 | | | | UNASSIGNED | | | |
| -074 | 2X2 | .100 / 2.54 | .200 / 5.08 | BODY MAT'L: Cu Ni 10u"/.25u Au FLASH INSIDE BODY CONTACT AREA ONLY WITH .001/.03 MIN HIGH GOLD DOT. SPRING PLATING: GOLD FLASH SPRING MAT'L: BeCu HEAT TREAT | .140/3.56 | NOTE 5,6 | |
| -075 | 2X3 | .200 / 5.08 | .300 / 7.62 | | | | |
| -076 | 2X4 | .300 / 7.62 | .400 / 10.16 | | | | |
| -077 | 2X5 | .400 / 10.16 | .500 / 12.70 | | | | |
| -078 | 2X6 | .500 / 12.70 | .600 / 15.24 | | | | |
| -079 | 2X7 | .600 / 15.24 | .700 / 17.78 | | | | |
| -080 | 2X8 | .700 / 17.78 | .800 / 20.32 | | | | |
| -081 | 2X9 | .800 / 20.32 | .900 / 22.86 | | | | |
| -082 | 2X10 | .900 / 22.86 | 1.000 / 25.40 | | | | |
| -083 | 2X11 | 1.000 / 25.40 | 1.100 / 27.94 | | | | |
| -084 | 2X12 | 1.100 / 27.94 | 1.200 / 30.48 | | | | |
| -085 | 2X13 | 1.200 / 30.48 | 1.300 / 33.02 | | | | |
| -086 | 2X14 | 1.300 / 33.02 | 1.400 / 35.56 | | | | |
| -087 | 2X15 | 1.400 / 35.56 | 1.500 / 38.10 | | | | |
| -088 | 2X16 | 1.500 / 38.10 | 1.600 / 40.64 | | | | |
| -089 | 2X17 | 1.600 / 40.64 | 1.700 / 43.18 | | | | |
| -090 | 2X18 | 1.700 / 43.18 | 1.800 / 45.72 | | | | |
| -091 | 2X19 | 1.800 / 45.72 | 1.900 / 48.26 | | | | |
| -092 | 2X20 | 1.900 / 48.26 | 2.000 / 50.80 | | | | |
| -093 | 2X21 | 2.000 / 50.80 | 2.100 / 53.34 | | | | |
| -094 | 2X22 | 2.100 / 53.34 | 2.200 / 55.88 | | | | |
| -095 | 2X23 | 2.200 / 55.88 | 2.300 / 58.42 | | | | |
| -096 | 2X24 | 2.300 / 58.42 | 2.400 / 60.96 | | | | |
| -097 | 2X25 | 2.400 / 60.96 | 2.500 / 63.50 | | | | |
| -098 | 2X26 | 2.500 / 63.50 | 2.600 / 66.04 | | | | |
| -099 | 2X27 | 2.600 / 66.04 | 2.700 / 68.58 | | | | |
| -100 | 2X28 | 2.700 / 68.58 | 2.800 / 71.12 | | | | |
| -101 | 2X29 | 2.800 / 71.12 | 2.900 / 73.66 | | | | |
| -102 | 2X30 | 2.900 / 73.66 | 3.000 / 76.20 | | | | |
| -103 | 2X31 | 3.000 / 76.20 | 3.100 / 78.74 | | | | |
| -104 | 2X32 | 3.100 / 78.74 | 3.200 / 81.28 | | BODY MAT'L: Cu Ni 10u"/.25u Au FLASH INSIDE BODY CONTACT AREA ONLY WITH .001/.03 MIN HIGH GOLD DOT. SPRING PLATING: GOLD FLASH SPRING MAT'L: BeCu HEAT TREAT | | |
| -105 | 2X33 | 3.200 / 81.28 | 3.300 / 83.82 | | | | |
| -106 | 2X34 | 3.300 / 83.82 | 3.400 / 86.36 | | | | |
| -107 | 2X35 | 3.400 / 86.36 | 3.500 / 88.90 | | | | |
| 65781-108 | 2X36 | 3.500 / 88.90 | 3.600 / 91.44 | | .140/3.56 | NOTE 5,6 | |



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|-------------|----------------|-------------------------------|---|-----------------------------------|---|
| mat'l. code | | surface | tolerance | projection | product family |
| | | ISO 1302 ✓ | ISO 406 ISO 1101 | | CARD CONN |
| ltr | | ecn no | dr | date | title |
| | | | | | VERT. CARD CONNECTOR .100/2.54 CTR., DBL ROW |
| angles | | linear | tolerances unless otherwise specified | | INCH/MM |
| | | | .XX±.01/.X±.3 .XXX±.0.005/.XX±.13 0'±2' .XXX±.0020/.XXX±.051 | | scale 4:1 |
| dr | | M.CLOUSER | | 3/25/94 | |
| enr | | H. SUNDY | | 3/25/94 | |
| chr | | H. SUNDY | | 3/25/94 | |
| appd | | H. SUNDY | | 3/25/94 | |
| sheet index | revision sheet | | | | |
| | | | | FCJ | |
| | | | | dwg no 65781 sheet 5 of 6 size A3 | |
| | | type Product Customer Drawing | | | |

| PRODUCT NUMBER | SIZE | DIM A | DIM B | MATERIAL AND PLATING | DIM C | LEAD FREE OPTION |
|----------------|------|---------------|---------------|--|-----------|------------------|
| 65781-149 | 2X5 | .400/10.16 | .500/12.70 | BRASS 100u"/2.54u THICK SN PLATE SPRING MAT'L: BeCu HEAT TREATED SPRING PLATING: 30u"/76u MIN ELECTROLESS TIN | .115/2.92 | NOTES 5,6,8 |
| 65781-151 | 2X7 | .600/15.24 | .700/17.78 | | .115/2.92 | |
| 65781-152 | 2X8 | .700/17.78 | .800/20.32 | | .115/2.92 | |
| 65781-153 | 2X13 | 1.200 / 30.48 | 1.300 / 33.02 | CONTACT BODY MATERIAL: BRASS CONTACT BODY PLATING: 30u"/0.76u MIN GOLD INSIDE CONTACT AREA AND GOLD FLASH ON TAILS OVER 50u"/1.27u MIN NICKEL SPRING MATERIAL: BeCu HEAT TREATED SPRING PLATING: GOLD FLASH ON CONTACT AREA | .140/3.56 | NOTE 5,6 |
| 65781-154 | 2X15 | 1.400 / 35.56 | 1.500 / 38.10 | | .140/3.56 | |
| 65781-155 | 2X17 | 1.600 / 40.64 | 1.700 / 43.18 | | .140/3.56 | |
| 65781-156 | 2X18 | 1.700 / 43.18 | 1.800 / 45.72 | | .140/3.56 | |
| 65781-157 | 2X20 | 1.900 / 48.26 | 2.000 / 50.80 | | .140/3.56 | |
| 65781-158 | 2X30 | 2.900 / 73.66 | 3.000 / 76.20 | | .140/3.56 | |
| 65781-159 | 2X10 | .900 / 22.86 | 1.000 / 25.40 | | .140/3.56 | |
| 65781-160 | 2X5 | .400 / 10.16 | .500 / 12.70 | | .140/3.56 | |



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|---------------------------------------|--|----------------|-----------|-------------------------------|-------------------------|
| mat'l. code | | surface | tolerance | projection | product family |
| ISO 1302 | | ISO 406 | ISO 1101 | | CARD CONN |
| tolerances unless otherwise specified | | | | | title |
| X | | angles | linear | INCH/MM | VERT. CARD CONNECTOR |
| | | 0'±2' | | scale 4:1 | .100/2.54 CTR., DBL ROW |
| | | dr | M.CLOUSER | 3/25/94 | dwg no |
| | | enr | H. SUNDY | 3/25/94 | sheet 6 of 6 |
| | | chr | H. SUNDY | 3/25/94 | size |
| | | app | H. SUNDY | 3/25/94 | A3 |
| sheet index | | revision sheet | | type Product Customer Drawing | |

