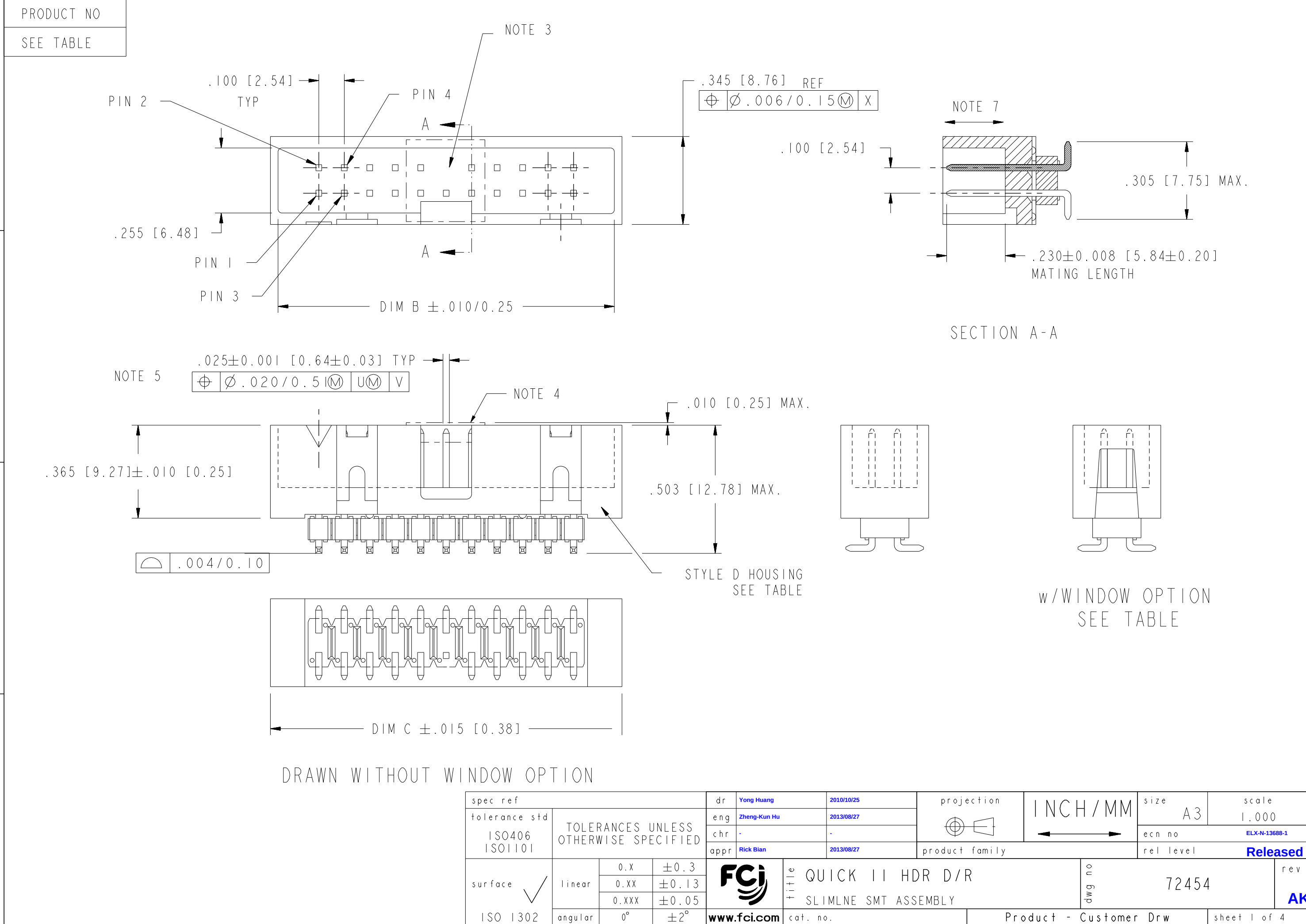




|               |                                       |       |  |              |            |                |           |                        |               |          |              |  |     |
|---------------|---------------------------------------|-------|--|--------------|------------|----------------|-----------|------------------------|---------------|----------|--------------|--|-----|
| spec ref      |                                       | dr    |  | Yong Huang   | 2010/10/25 | projection     | INCH / MM | size                   | A3            | scale    | 1.000        |  |     |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng   |  | Zheng-Kun Hu | 2013/08/27 |                |           | ecn no                 | ELX-N-13688-1 |          |              |  |     |
|               |                                       | chr   |  | -            | -          |                |           |                        |               |          |              |  |     |
| ISO406        |                                       | appr  |  | Rick Bian    | 2013/08/27 | product family |           | rel level              |               | Released |              |  |     |
| surface       | linear                                | 0.X   |  | ±0.3         |            | FCi            | title     | QUICK II HDR D/R       |               | dwg no   | 72454        |  | rev |
|               |                                       | 0.XX  |  | ±0.13        |            |                |           |                        |               |          |              |  |     |
|               |                                       | 0.XXX |  | ±0.05        |            |                |           |                        |               |          |              |  |     |
| ISO 1302      | angular                               | 0°    |  | ±2°          |            | www.fci.com    | cat. no.  | Product - Customer Drw |               |          | sheet 1 of 4 |  | AK  |



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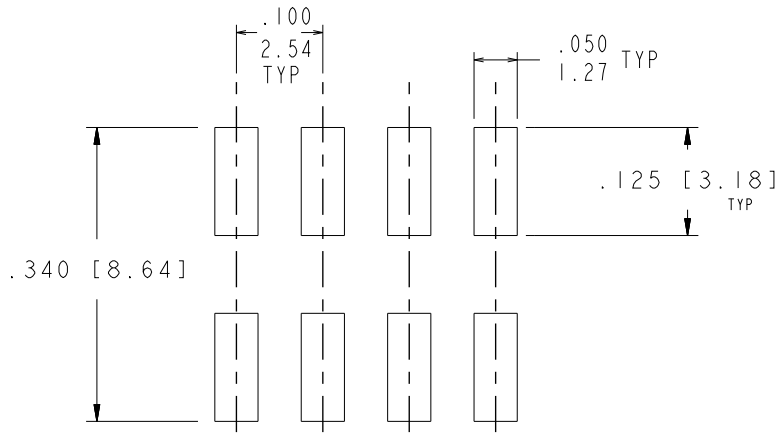
| PRODUCT NO<br>SEE TABLE | PLATING<br>CODE | CONTACT AREA PLATING              | SOLDER TAIL PLATING               |
|-------------------------|-----------------|-----------------------------------|-----------------------------------|
|                         |                 |                                   |                                   |
|                         | AA              | 30u"/.76u GXT OVER 50u"/1.27u Ni  | 100u"/2.54u Sn OVER 50u"/1.27u Ni |
|                         | 4               | 100u"/2.54u Sn OVER 50u"/1.27u Ni | 100u"/2.54u Sn OVER 50u"/1.27u Ni |

|                      |    |                                   |                                   |
|----------------------|----|-----------------------------------|-----------------------------------|
| LEAD FREE<br>PLATING | AA | 30u"/.76u GXT OVER 50u"/1.27u Ni  | 100u"/2.54u Sn OVER 50u"/1.27u Ni |
|                      | 4  | 100u"/2.54u Sn OVER 50u"/1.27u Ni | 100u"/2.54u Sn OVER 50u"/1.27u Ni |

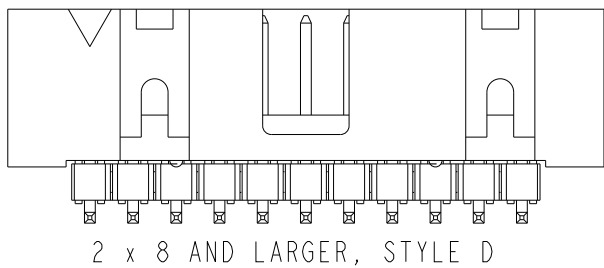
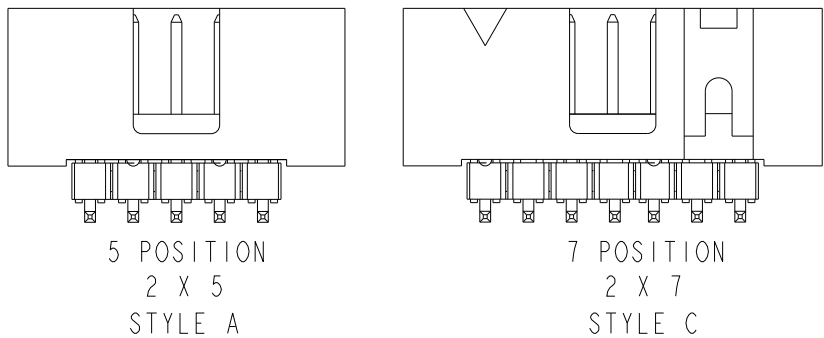
NOTE 11

NOTES:

1. BODY MATERIAL: PA46, GLASS FIBER REINFORCED, FLAME RETARDENT PER UL-94V-0.  
COLOR: BLACK  
OR  
MINERAL FILLED LCP, FLAME RETARDENT PER UL-94V-0  
COLOR: BLACK
2. PIN MATERIAL: PHOS-BRONZE.
3. PINS DELETED FROM SPECIFIED LOCATIONS FOR POLARIZATION. SEE TABLE FOR LOCATIONS.
4. PACKAGING OPTIONS: CHECK SPECIFIC PART NUMBERS FOR AVAILABILITY.  
PART NUMBERS WITHOUT A SUFFIX ARE PACKAGED  
PART NUMBERS FOLLOWED BY A "V" SUFFIX ARE PACKAGED  
TAPE-ON-REEL INSTALLED PER BUS-14-200 SECTION 2. VACUUM CAP TO BE CENTRALLY LOCATED REGARDLESS OF NUMBER OF POSITIONS.  
PART NUMBERS FOLLOWED BY A "B" SUFFIX ARE PACKAGED IN TRAYS WITH A PICK UP CAP INSTALLED PER BUS-14-445 & SEE GS-14-920 FOR LEAD FREE PACKAGED SPEC.
5. MEASURED WITH PART IN RESTRAINED CONDITION.
6. TWO SIDES OF PIN TIPS NOT PLATED. TYPICAL BOTH ENDS (SIMPLEX PLATING ONLY).
7. 2 LBS/0.9KG MIN PIN RETENTION IN EITHER DIRECTION.
8. ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
9. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
10. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10-20 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN. SEE APPLICATION NOTES/PROCEDURES IF THEY ARE AVAILABLE.
11. "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."
12. PRODUCT SPEC: BUS-12-082



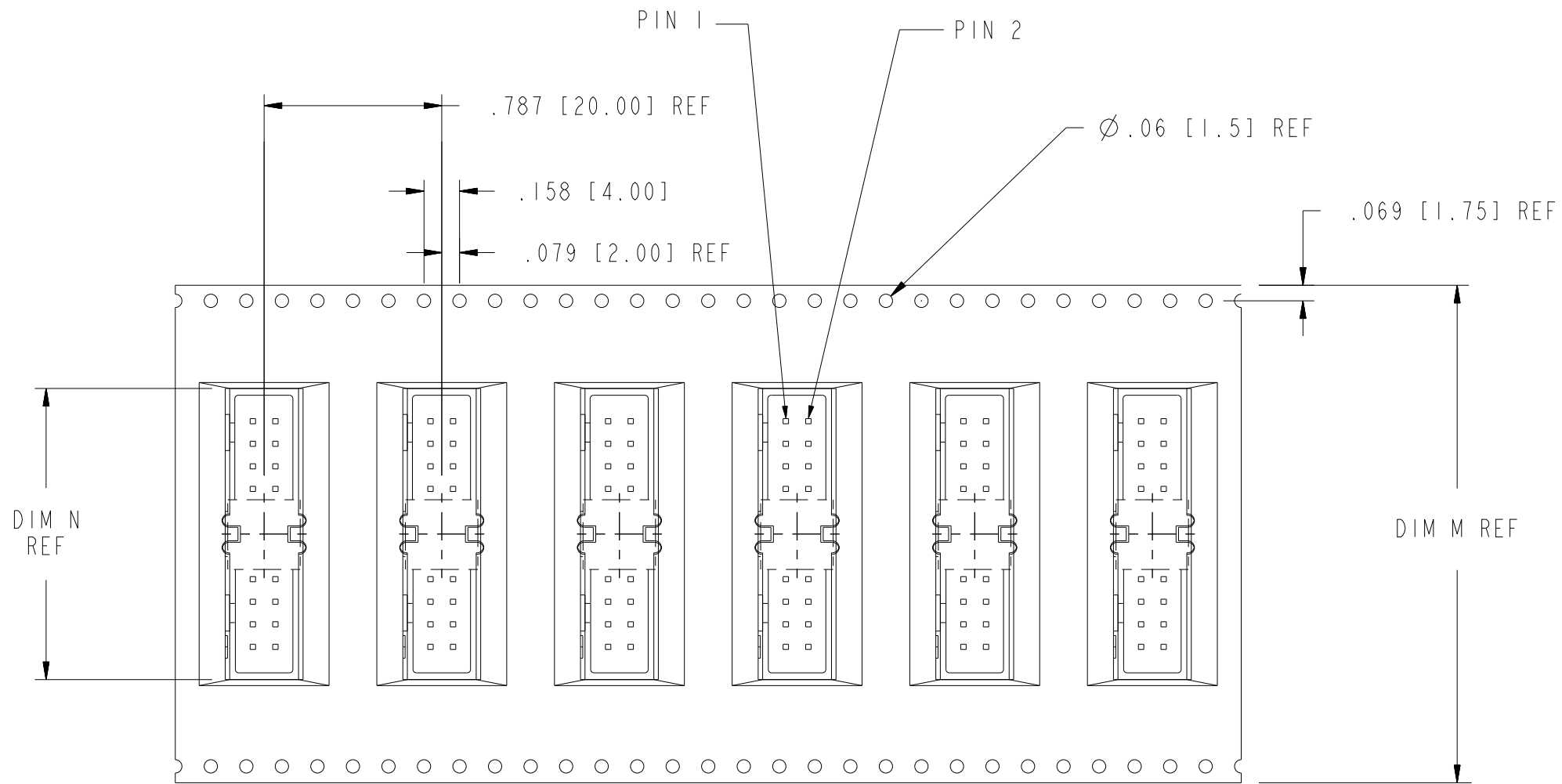
RECOMMENDED PAD LAYOUT  
SCALE 4/1



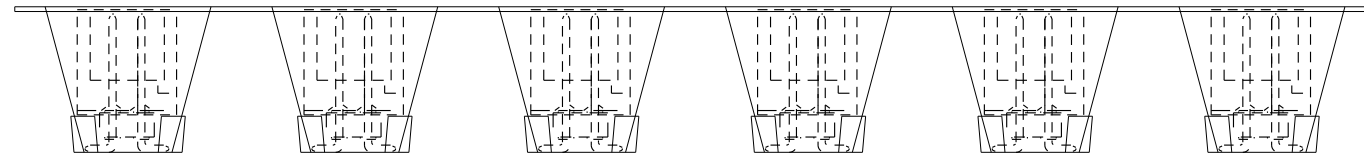
|                                       |  |  |  |          |  |              |  |            |  |            |  |           |  |                  |  |               |  |                        |  |              |  |    |  |
|---------------------------------------|--|--|--|----------|--|--------------|--|------------|--|------------|--|-----------|--|------------------|--|---------------|--|------------------------|--|--------------|--|----|--|
| spec ref                              |  |  |  | dr       |  | Yong Huang   |  | 2010/10/25 |  | projection |  | INCH / MM |  | size             |  | A3            |  | scale                  |  | 1.000        |  |    |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |  |  |  | eng      |  | Zheng-Kun Hu |  | 2013/08/27 |  |            |  |           |  | ecn no           |  | ELX-N-13688-1 |  |                        |  |              |  |    |  |
|                                       |  |  |  | chr      |  | -            |  | -          |  |            |  |           |  | rel level        |  | Released      |  |                        |  |              |  |    |  |
|                                       |  |  |  | appr     |  | Rick Bian    |  | 2013/08/27 |  |            |  |           |  | product family   |  |               |  |                        |  |              |  |    |  |
| surface                               |  |  |  | linear   |  | 0.X          |  | ±0.3       |  |            |  | title     |  | QUICK 11 HDR D/R |  | dwg no        |  | 72454                  |  | rev          |  | AK |  |
|                                       |  |  |  |          |  | 0.XX         |  | ±0.13      |  |            |  |           |  |                  |  |               |  |                        |  |              |  |    |  |
|                                       |  |  |  |          |  | 0.XXX        |  | ±0.05      |  |            |  |           |  |                  |  |               |  |                        |  |              |  |    |  |
|                                       |  |  |  | ISO 1302 |  |              |  | angular    |  | 0°         |  | ±2°       |  | www.fci.com      |  | cat. no.      |  | Product - Customer Drw |  | sheet 2 of 4 |  |    |  |

PRODUCT NO

SEE TABLE



UN-REELING DIRECTION OF FEED



|               |  |                                       |  |         |  |            |  |              |  |             |  |           |  |       |  |                        |  |                  |  |              |  |        |  |  |  |       |  |  |  |
|---------------|--|---------------------------------------|--|---------|--|------------|--|--------------|--|-------------|--|-----------|--|-------|--|------------------------|--|------------------|--|--------------|--|--------|--|--|--|-------|--|--|--|
| spec ref      |  |                                       |  | dr      |  | Yong Huang |  | 2010/10/25   |  | projection  |  | INCH / MM |  | size  |  | A3                     |  | scale            |  | 1.000        |  |        |  |  |  |       |  |  |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |         |  | eng        |  | Zheng-Kun Hu |  | 2013/08/27  |  |           |  |       |  | ecn no                 |  | ELX-N-13688-1    |  |              |  |        |  |  |  |       |  |  |  |
| ISO406        |  |                                       |  |         |  | chr        |  | -            |  | -           |  |           |  |       |  |                        |  |                  |  |              |  |        |  |  |  |       |  |  |  |
| ISO1101       |  |                                       |  |         |  | appr       |  | Rick Bian    |  | 2013/08/27  |  |           |  |       |  | product family         |  | rel level        |  | Released     |  |        |  |  |  |       |  |  |  |
| surface       |  |                                       |  |         |  | linear     |  | 0.X          |  | ±0.3        |  |           |  | title |  |                        |  | QUICK II HDR D/R |  |              |  | dwg no |  |  |  | 72454 |  |  |  |
|               |  | 0.XX                                  |  | ±0.13   |  |            |  |              |  |             |  |           |  |       |  |                        |  |                  |  |              |  |        |  |  |  |       |  |  |  |
|               |  | 0.XXX                                 |  | ±0.05   |  |            |  |              |  |             |  |           |  |       |  |                        |  |                  |  |              |  |        |  |  |  |       |  |  |  |
|               |  | ISO 1302                              |  | angular |  | 0°         |  | ±2°          |  | www.fci.com |  | cat. no.  |  |       |  | Product - Customer Drw |  |                  |  | sheet 3 of 4 |  |        |  |  |  |       |  |  |  |

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| PRODUCT<br>NUMBER | NO. OF<br>POSITIONS | DIM B       | DIM C       | STYLE | POLARIZED<br>POSITION | WINDOW<br>OPTION | PLATING<br>CODE | PACKAGING    | TAPE WIDTH<br>DIM M | POCKET DEPTH | DIM N       | LEAD FREE<br>OPTION |
|-------------------|---------------------|-------------|-------------|-------|-----------------------|------------------|-----------------|--------------|---------------------|--------------|-------------|---------------------|
| 72454-008         | 2 X 4               | .610/15.50  | .690/15.33  | A     | -                     | N                | AA              | TRAY         | --                  | --           | --          | NOTE 8,9<br>↑       |
| 72454-010         | 2 X 5               | .710/18.03  | .790/20.07  | A     | -                     | N                | AA              | TRAY         | --                  | --           | --          |                     |
| 72454-010V        | 2 X 5               | .710/18.03  | .790/20.07  | A     | -                     | N                | AA              | TAPE ON REEL | 1.260/32.00         | .515/13.08   | .790/20.07  |                     |
| 72454-014         | 2 X 7               | .910/23.11  | .99/25.2    | C     | -                     | N                | AA              | TRAY         | --                  | --           | --          |                     |
| 72454-014V        | 2 X 7               | .910/23.11  | .99/25.2    | C     | -                     | N                | AA              | TAPE ON REEL | 1.732/44.00         | .515/13.08   | 1.090/27.69 |                     |
| 72454-016         | 2 X 8               | 1.010/25.65 | 1.090/27.69 | D     | -                     | N                | AA              | TRAY         | --                  | --           | --          |                     |
| 72454-016V        | 2 X 8               | 1.010/25.65 | 1.090/27.69 | D     | -                     | N                | AA              | TAPE ON REEL | 1.732/44.00         | .515/13.08   | 1.090/27.69 |                     |
| 72454-020         | 2 X 10              | 1.210/30.73 | 1.290/32.77 | D     | -                     | N                | AA              | TRAY         | --                  | --           | --          |                     |
| 72454-020V        | 2 X 10              | 1.210/30.73 | 1.290/32.77 | D     | -                     | N                | AA              | TAPE-ON-REEL | 2.205/56.00         | .505/12.83   | 1.290/32.77 |                     |
| 72454-021         | 2 X 11              | 1.310/33.27 | 1.390/35.31 | D     | 12                    | N                | AA              | TRAY         | --                  | --           | --          |                     |
| 72454-022         | 2 X 11              | 1.310/33.27 | 1.390/35.31 | D     | -                     | N                | AA              | TRAY         | --                  | --           | --          |                     |
| 72454-024         | 2 X 12              | 1.410/35.81 | 1.490/37.9  | D     | -                     | N                | AA              | --           | --                  | --           | --          |                     |
| 72454-024V        | 2 X 12              | 1.410/35.81 | 1.490/37.9  | D     | -                     | N                | AA              | TAPE-ON-REEL | 2.205/56.00         | .515/13.08   | 1.490/37.85 |                     |
| 72454-026         | 2 X 13              | 1.510/38.35 | 1.590/40.39 | D     | -                     | N                | AA              | TRAY         | --                  | --           | --          |                     |
| 72454-026V        | 2 X 13              | 1.510/38.35 | 1.590/40.39 | D     | -                     | N                | AA              | TAPE-ON-REEL | 2.205/56.00         | 0.787/20.00  | 1.614/41.00 |                     |
| 72454-030         | 2 X 15              | 1.710/43.43 | 1.790/45.47 | D     | -                     | N                | AA              | TRAY         | --                  | --           | --          |                     |
| 72454-030V        | 2 X 15              | 1.710/43.43 | 1.790/45.47 | D     | -                     | N                | AA              | TAPE-ON-REEL | 2.834/72.00         | 0.787/20.00  | 1.771/45.00 |                     |
| 72454-034         | 2 X 17              | 1.910/48.51 | 1.990/50.60 | D     | -                     | N                | AA              | TRAY         | --                  | --           | --          | NOTE 8,9<br>↓       |
| 72454-040         | 2 X 20              | 2.210/56.13 | 2.290/58.17 | D     | -                     | N                | 4               | TRAY         | --                  | --           | --          |                     |
| 72454-040V        | 2 X 20              | 2.210/56.13 | 2.290/58.17 | D     | -                     | N                | 4               | TAPE-ON-REEL | 3.465/88.00         | 0.787/20.00  | 2.290/58.25 |                     |
| 72454-041         | 2 X 20              | 2.210/56.13 | 2.290/58.17 | D     | -                     | N                | AA              | TRAY         | --                  | --           | --          |                     |
| 72454-041V        | 2 X 20              | 2.210/56.13 | 2.290/58.17 | D     | -                     | N                | AA              | TAPE-ON-REEL | 3.465/88.00         | 0.787/20.00  | 2.290/58.25 |                     |
| 72454-044         | 2 X 22              | 2.410/61.21 | 2.490/63.25 | D     | -                     | N                | AA              | TRAY         | --                  | --           | --          |                     |
| 72454-050         | 2 X 25              | 2.710/68.83 | 2.790/70.87 | D     | -                     | N                | AA              | TRAY         | --                  | --           | --          |                     |
| 72454-051         | 2 X 10              | 1.210/30.73 | 1.290/32.77 | D     | -                     | Y                | AA              | TRAY         | --                  | --           | --          |                     |
| 72454-051V        | 2 X 10              | 1.210/30.73 | 1.290/32.77 | D     | -                     | Y                | AA              | TAPE-ON-REEL | 2.205/56.00         | .505/12.83   | 1.290/32.77 |                     |
| 72454-052         | 2 X 20              | 2.210/56.13 | 2.290/58.17 | D     | 20                    | N                | AA              | TRAY         | --                  | --           | --          |                     |
| 72454-053V        | 2 X 5               | 0.710/18.03 | 0.790/20.07 | A     | 9                     | N                | AA              | TAPE ON REEL | 1.260/32.00         | .515/13.08   | .790/20.07  |                     |

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|                                    |  |  |  |         |              |  |            |  |                |                                           |        |               |                 |                        |           |              |  |
|------------------------------------|--|--|--|---------|--------------|--|------------|--|----------------|-------------------------------------------|--------|---------------|-----------------|------------------------|-----------|--------------|--|
| spec ref                           |  |  |  | dr      | Yong Huang   |  | 2010/10/25 |  | projection<br> | INCH/MM<br>←→                             | size   | A3            |                 | scale                  | 1.000     |              |  |
| tolerance std<br>ISO406<br>ISO1101 |  |  |  | eng     | Zheng-Kun Hu |  | 2013/08/27 |  |                |                                           | ecn no | ELX-N-13688-1 |                 |                        |           |              |  |
|                                    |  |  |  | chr     | -            |  | -          |  |                |                                           |        |               |                 |                        |           |              |  |
|                                    |  |  |  | appr    | Rick Bian    |  | 2013/08/27 |  | product family |                                           |        | rel level     |                 | Released               |           |              |  |
| surface                            |  |  |  | linear  | 0.X          |  | ±0.3       |  |                | QUICK II HDR D/R<br>SLIMLINE SMT ASSEMBLY |        |               | dwg no<br>72454 |                        | rev<br>AK |              |  |
|                                    |  |  |  |         | 0.XX         |  | ±0.13      |  |                |                                           |        |               |                 |                        |           |              |  |
|                                    |  |  |  |         | 0.XXX        |  | ±0.05      |  |                |                                           |        |               |                 |                        |           |              |  |
| ISO 1302                           |  |  |  | angular | 0°           |  | ±2°        |  | www.fci.com    |                                           |        | cat. no.      |                 | Product - Customer Drw |           | sheet 4 of 4 |  |