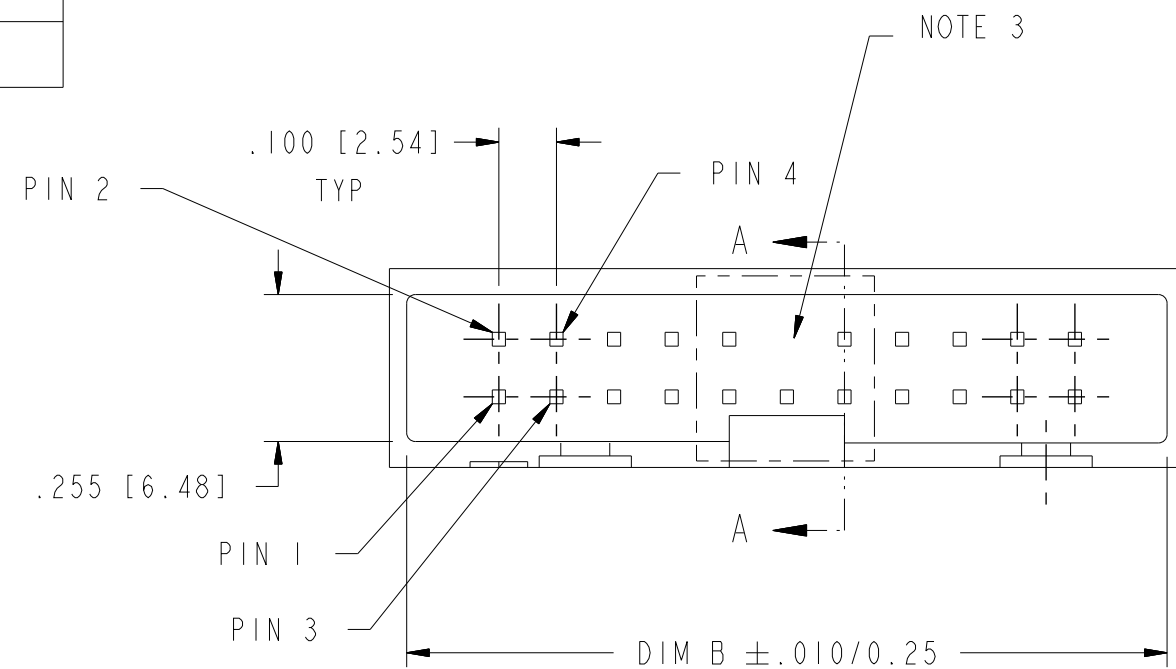
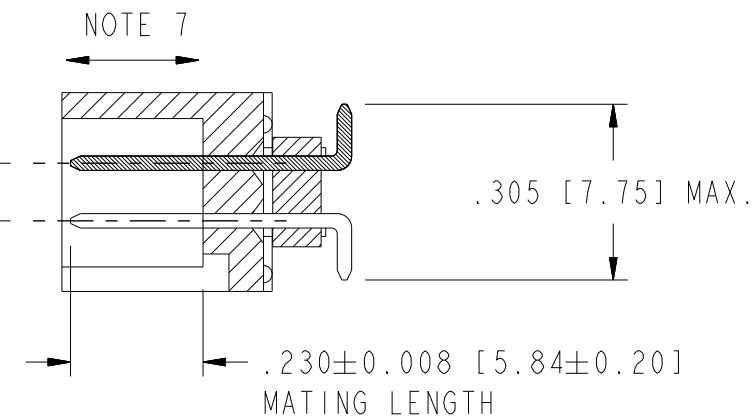


PRODUCT NO

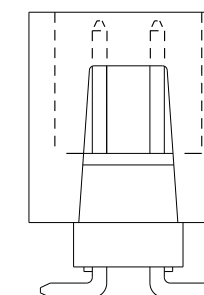
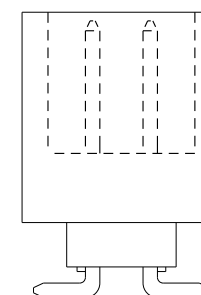
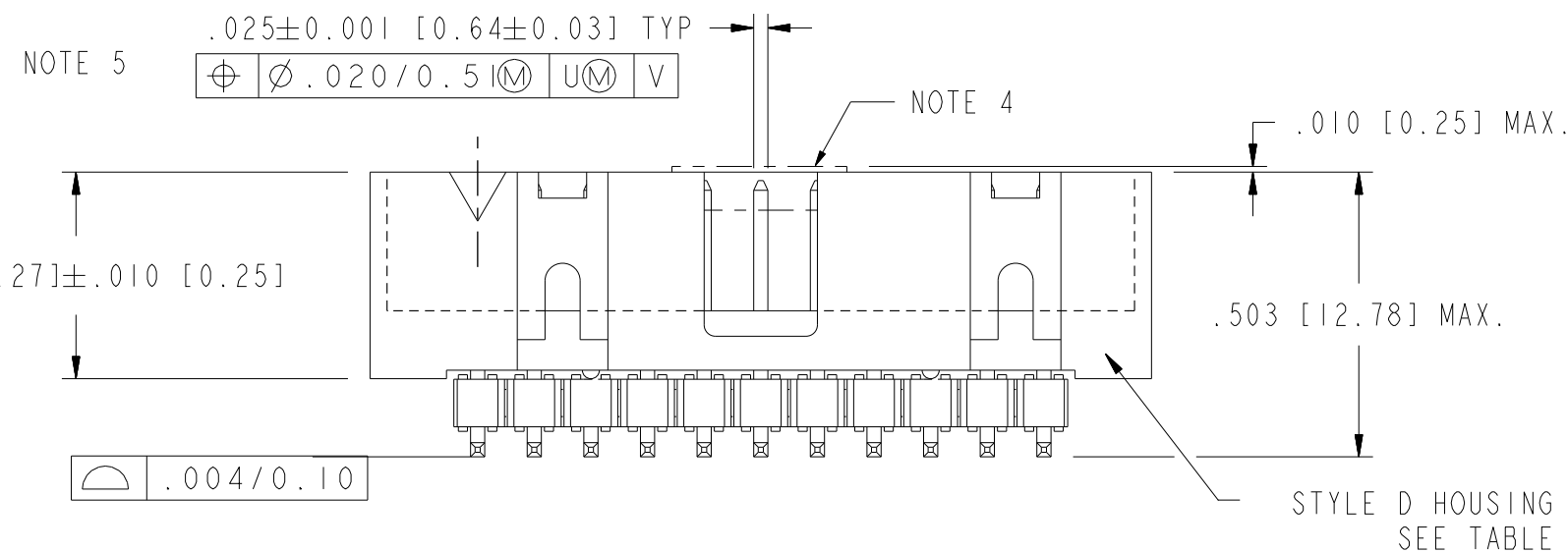
SEE TABLE



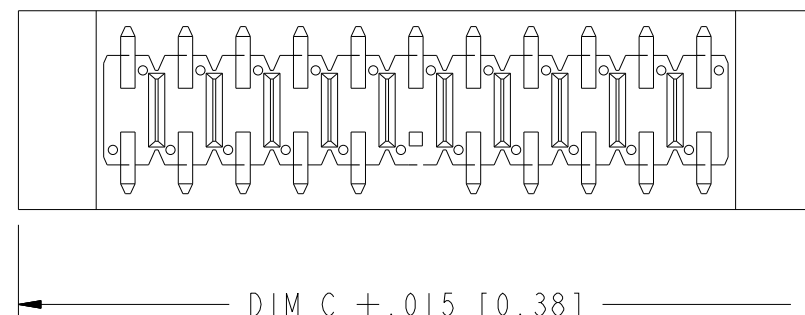
.345 [8.76] REF  
⊕ ∅.006/0.15 M X



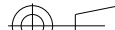
SECTION A-A



w/WINDOW OPTION  
SEE TABLE



DRAWN WITHOUT WINDOW OPTION

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



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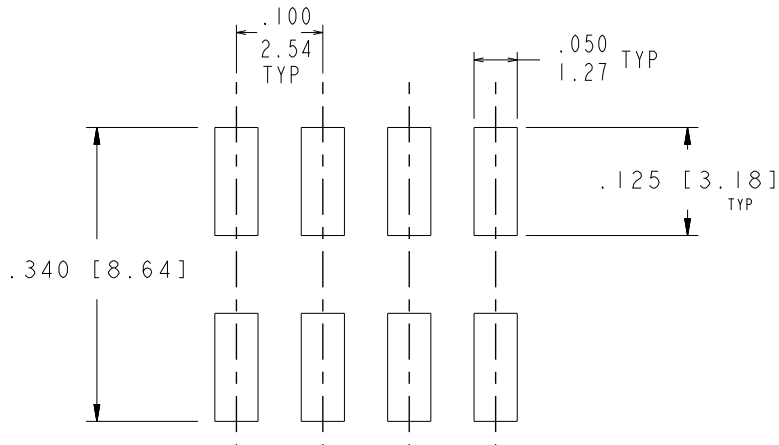
| PRODUCT NO<br>SEE TABLE | PLATING<br>CODE | CONTACT AREA PLATING              | SOLDER TAIL PLATING               |  |
|-------------------------|-----------------|-----------------------------------|-----------------------------------|--|
|                         |                 |                                   |                                   |  |
|                         | 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 |

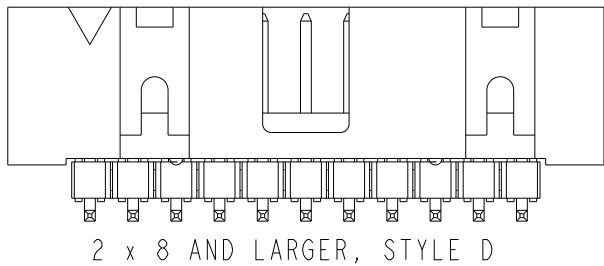
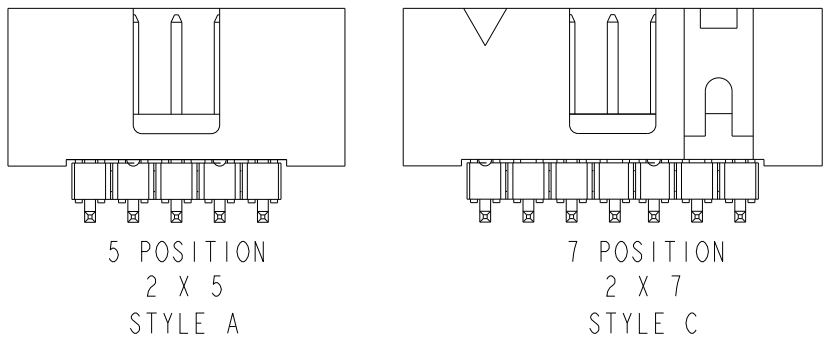
NOTE 11

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

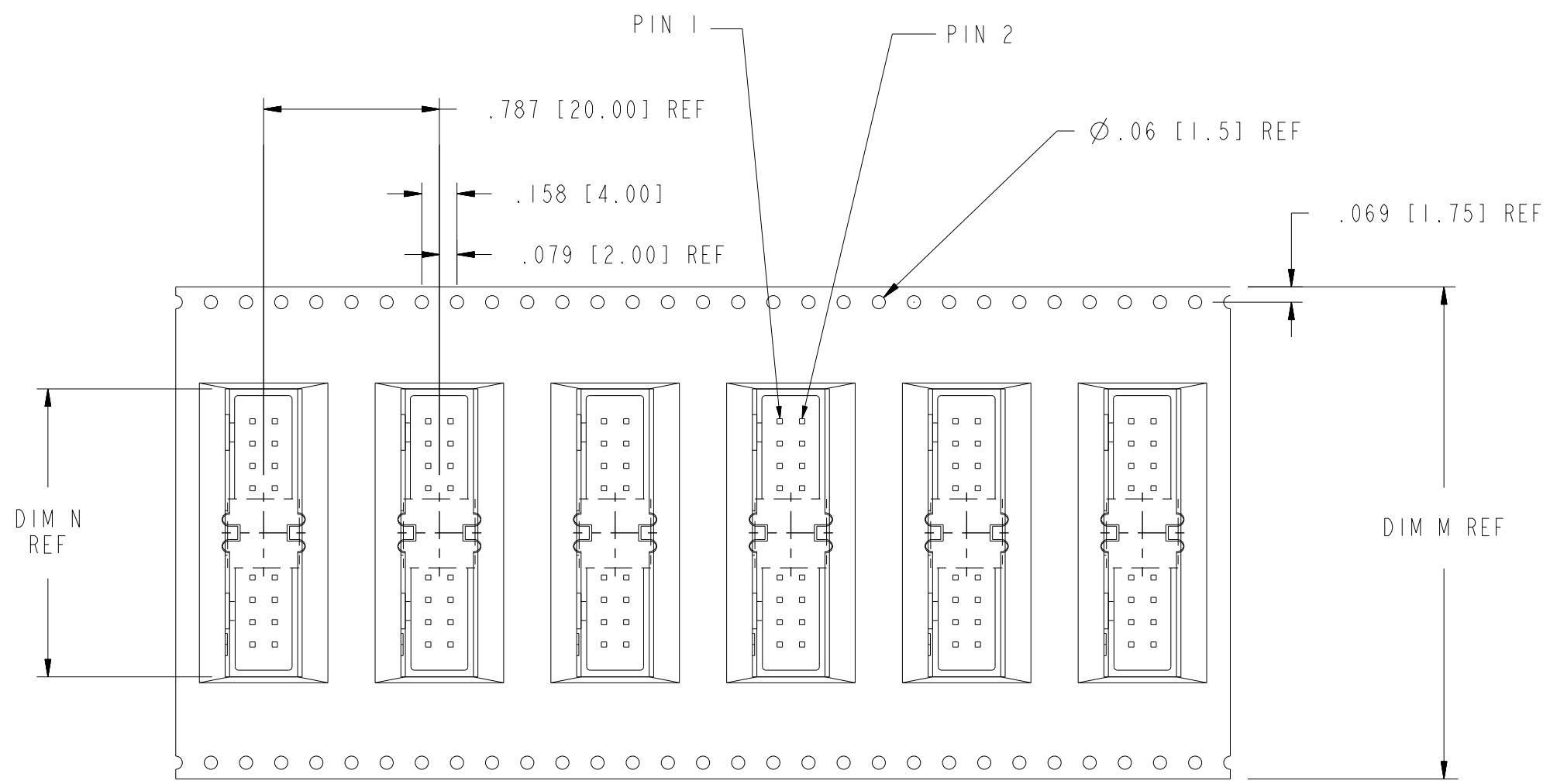


RECOMMENDED PAD LAYOUT  
SCALE 4/1

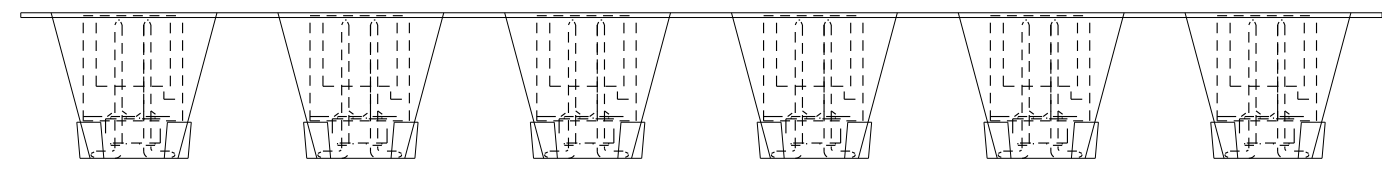


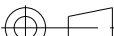
|                                       |  |  |  |          |  |              |  |            |  |            |  |           |  |                  |  |               |  |                        |  |              |  |    |  |
|---------------------------------------|--|--|--|----------|--|--------------|--|------------|--|------------|--|-----------|--|----------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

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