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    |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |
| <table><tr><td>FAMILY</td><td>GENDER</td><td>SEALING</td><td>PLATING</td><td>PART NUMBER</td><td>PAYOFF DIRECTION</td><td>GRIP CODE</td><td>WIRE SIZES*</td><td>A<br/>±0.30</td><td>B<br/>±0.30</td><td>C<br/>±0.30</td><td>D<br/>±0.30</td><td>SPECIAL CHARACTERISTICS</td></tr><tr><td rowspan="24">MX150</td><td rowspan="24">BLADE</td><td rowspan="24">MAT SEAL UNSEALED</td><td rowspan="8">Sn</td><td>33000-0001</td><td>RIGHT (B)</td><td rowspan="2">14</td><td>14AWG</td><td rowspan="2">3.9</td><td rowspan="2">3.8</td><td rowspan="2">1.7</td><td rowspan="2">1.6</td><td rowspan="8">HIGH PERFORMANCE Sn</td></tr><tr><td>33000-1001</td><td>LEFT (D)</td><td>1.50-2.00mm²</td></tr><tr><td>33000-0002</td><td>RIGHT (B)</td><td rowspan="2">18</td><td>20/18/16AWG</td><td rowspan="2">3.3</td><td rowspan="2">3.1</td><td rowspan="2">1.3</td><td rowspan="2">1.4</td></tr><tr><td>33000-1002</td><td>LEFT (D)</td><td>0.75-1.25mm²</td></tr><tr><td>33000-0003</td><td>RIGHT (B)</td><td rowspan="2">22</td><td>22AWG</td><td rowspan="2">2.5</td><td rowspan="2">2.6</td><td rowspan="2">0.9</td><td rowspan="2">1.0</td></tr><tr><td>33000-1003</td><td>LEFT (D)</td></tr><tr><td>33000-0004</td><td>RIGHT (B)</td><td rowspan="2">M3</td><td>0.35-0.50mm²</td><td rowspan="2">2.5</td><td rowspan="2">2.7</td><td rowspan="2">0.9</td><td rowspan="2">1.54<br/>±0.1</td></tr><tr><td>33000-1004</td><td>LEFT (D)</td></tr><tr><td rowspan="8">Au</td><td>33011-1002</td><td>RIGHT (B)</td><td rowspan="2">14</td><td>14AWG</td><td rowspan="2">3.9</td><td rowspan="2">3.8</td><td rowspan="2">1.7</td><td rowspan="2">1.6</td><td rowspan="8">HIGH PERFORMANCE Au</td></tr><tr><td>33011-0002</td><td>LEFT (D)</td><td>1.50-2.00mm²</td></tr><tr><td>33011-1004</td><td>RIGHT (B)</td><td rowspan="2">18</td><td>20/18/16AWG</td><td rowspan="2">3.3</td><td rowspan="2">3.1</td><td rowspan="2">1.3</td><td rowspan="2">1.4</td></tr><tr><td>33011-0004</td><td>LEFT (D)</td><td>0.75-1.25mm²</td></tr><tr><td>33011-1006</td><td>RIGHT (B)</td><td rowspan="2">22</td><td>22AWG</td><td rowspan="2">2.5</td><td rowspan="2">2.6</td><td rowspan="2">0.9</td><td rowspan="2">1.0</td></tr><tr><td>33011-0006</td><td>LEFT (D)</td></tr><tr><td>33011-1008</td><td>RIGHT (B)</td><td rowspan="2">M3</td><td>0.35-0.50mm²</td><td rowspan="2">2.5</td><td rowspan="2">2.7</td><td rowspan="2">0.9</td><td rowspan="2">1.54<br/>±0.1</td></tr><tr><td>33011-0008</td><td>LEFT (D)</td></tr><tr><td rowspan="8">Ag</td><td>33011-2003</td><td>RIGHT (B)</td><td rowspan="2">14</td><td>14AWG</td><td rowspan="2">3.9</td><td rowspan="2">3.8</td><td rowspan="2">1.7</td><td rowspan="2">1.6</td><td rowspan="8">HIGH PERFORMANCE Ag</td></tr><tr><td>33011-3003</td><td>LEFT (D)</td><td>1.50-2.00mm²</td></tr><tr><td>33011-2002</td><td>RIGHT (B)</td><td rowspan="2">18</td><td>20/18/16AWG</td><td rowspan="2">3.3</td><td rowspan="2">3.1</td><td rowspan="2">1.3</td><td rowspan="2">1.4</td></tr><tr><td>33011-3002</td><td>LEFT (D)</td><td>0.75-1.25mm²</td></tr><tr><td>33011-2001</td><td>RIGHT (B)</td><td rowspan="2">22</td><td>22AWG</td><td rowspan="2">2.5</td><td rowspan="2">2.6</td><td rowspan="2">0.9</td><td rowspan="2">1.0</td></tr><tr><td>33011-3001</td><td>LEFT (D)</td></tr><tr><td>33011-2004</td><td>RIGHT (B)</td><td rowspan="2">M3</td><td>0.35-0.50mm²</td><td rowspan="2">2.5</td><td rowspan="2">2.7</td><td rowspan="2">0.9</td><td rowspan="2">1.54<br/>±0.1</td></tr><tr><td>33011-3004</td><td>LEFT (D)</td></tr></table> |        |                   |         |             |                  |           |              |            |            |            |              | FAMILY                  | GENDER | SEALING | PLATING | PART NUMBER | PAYOFF DIRECTION | GRIP CODE | WIRE SIZES* | A<br>±0.30 | B<br>±0.30 | C<br>±0.30 | D<br>±0.30 | SPECIAL CHARACTERISTICS | MX150 | BLADE | MAT SEAL UNSEALED | Sn | 33000-0001 | RIGHT (B) | 14 | 14AWG | 3.9 | 3.8 | 1.7 | 1.6 | HIGH PERFORMANCE Sn | 33000-1001 | LEFT (D) | 1.50-2.00mm² | 33000-0002 | RIGHT (B) | 18 | 20/18/16AWG | 3.3 | 3.1 | 1.3 | 1.4 | 33000-1002 | LEFT (D) | 0.75-1.25mm² | 33000-0003 | RIGHT (B) | 22 | 22AWG | 2.5 | 2.6 | 0.9 | 1.0 | 33000-1003 | LEFT (D) | 33000-0004 | RIGHT (B) | M3 | 0.35-0.50mm² | 2.5 | 2.7 | 0.9 | 1.54<br>±0.1 | 33000-1004 | LEFT (D) | Au | 33011-1002 | RIGHT (B) | 14 | 14AWG | 3.9 | 3.8 | 1.7 | 1.6 | HIGH PERFORMANCE Au | 33011-0002 | LEFT (D) | 1.50-2.00mm² | 33011-1004 | RIGHT (B) | 18 | 20/18/16AWG | 3.3 | 3.1 | 1.3 | 1.4 | 33011-0004 | LEFT (D) | 0.75-1.25mm² | 33011-1006 | RIGHT (B) | 22 | 22AWG | 2.5 | 2.6 | 0.9 | 1.0 | 33011-0006 | LEFT (D) | 33011-1008 | RIGHT (B) | M3 | 0.35-0.50mm² | 2.5 | 2.7 | 0.9 | 1.54<br>±0.1 | 33011-0008 | LEFT (D) | Ag | 33011-2003 | RIGHT (B) | 14 | 14AWG | 3.9 | 3.8 | 1.7 | 1.6 | HIGH PERFORMANCE Ag | 33011-3003 | LEFT (D) | 1.50-2.00mm² | 33011-2002 | RIGHT (B) | 18 | 20/18/16AWG | 3.3 | 3.1 | 1.3 | 1.4 | 33011-3002 | LEFT (D) | 0.75-1.25mm² | 33011-2001 | RIGHT (B) | 22 | 22AWG | 2.5 | 2.6 | 0.9 | 1.0 | 33011-3001 | LEFT (D) | 33011-2004 | RIGHT (B) | M3 | 0.35-0.50mm² | 2.5 | 2.7 | 0.9 | 1.54<br>±0.1 | 33011-3004 | LEFT (D) |
| FAMILY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | GENDER | SEALING           | PLATING | PART NUMBER | PAYOFF DIRECTION | GRIP CODE | WIRE SIZES*  | A<br>±0.30 | B<br>±0.30 | C<br>±0.30 | D<br>±0.30   | SPECIAL CHARACTERISTICS |        |         |         |             |                  |           |             |            |            |            |            |                         |       |       |                   |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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| MX150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | BLADE  | MAT SEAL UNSEALED | Sn      | 33000-0001  | RIGHT (B)        | 14        | 14AWG        | 3.9        | 3.8        | 1.7        | 1.6          | HIGH PERFORMANCE Sn     |        |         |         |             |                  |           |             |            |            |            |            |                         |       |       |                   |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                   |         | 33000-1001  | LEFT (D)         |           | 1.50-2.00mm² |            |            |            |              |                         |        |         |         |             |                  |           |             |            |            |            |            |                         |       |       |                   |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                   |         | 33000-0002  | RIGHT (B)        | 18        | 20/18/16AWG  | 3.3        | 3.1        | 1.3        | 1.4          |                         |        |         |         |             |                  |           |             |            |            |            |            |                         |       |       |                   |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                   |         | 33000-1002  | LEFT (D)         |           | 0.75-1.25mm² |            |            |            |              |                         |        |         |         |             |                  |           |             |            |            |            |            |                         |       |       |                   |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                   |         | 33000-0003  | RIGHT (B)        | 22        | 22AWG        | 2.5        | 2.6        | 0.9        | 1.0          |                         |        |         |         |             |                  |           |             |            |            |            |            |                         |       |       |                   |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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    |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                   |         | 33000-0004  | RIGHT (B)        | M3        | 0.35-0.50mm² | 2.5        | 2.7        | 0.9        | 1.54<br>±0.1 |                         |        |         |         |             |                  |           |             |            |            |            |            |                         |       |       |                   |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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    |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                   | Au      | 33011-1002  | RIGHT (B)        | 14        | 14AWG        | 3.9        | 3.8        | 1.7        | 1.6          | HIGH PERFORMANCE Au     |        |         |         |             |                  |           |             |            |            |            |            |                         |       |       |                   |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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    |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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    |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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    |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                   |         | 33011-1006  | RIGHT (B)        | 22        | 22AWG        | 2.5        | 2.6        | 0.9        | 1.0          |                         |        |         |         |             |                  |           |             |            |            |            |            |                         |       |       |                   |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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    |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                   |         | 33011-1008  | RIGHT (B)        | M3        | 0.35-0.50mm² | 2.5        | 2.7        | 0.9        | 1.54<br>±0.1 |                         |        |         |         |             |                  |           |             |            |            |            |            |                         |       |       |                   |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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    |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                   | Ag      | 33011-2003  | RIGHT (B)        | 14        | 14AWG        | 3.9        | 3.8        | 1.7        | 1.6          | HIGH PERFORMANCE Ag     |        |         |         |             |                  |           |             |            |            |            |            |                         |       |       |                   |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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    |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                   |         | 33011-3002  | LEFT (D)         |           | 0.75-1.25mm² |            |            |            |              |                         |        |         |         |             |                  |           |             |            |            |            |            |                         |       |       |                   |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                   |         | 33011-2001  | RIGHT (B)        | 22        | 22AWG        | 2.5        | 2.6        | 0.9        | 1.0          |                         |        |         |         |             |                  |           |             |            |            |            |            |                         |       |       |                   |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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    |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                   |         | 33011-2004  | RIGHT (B)        | M3        | 0.35-0.50mm² | 2.5        | 2.7        | 0.9        | 1.54<br>±0.1 |                         |        |         |         |             |                  |           |             |            |            |            |            |                         |       |       |                   |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |       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    |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |    |            |           |    |       |     |     |     |     |                     |            |          |              |            |           |    |             |     |     |     |     |            |          |              |            |           |    |       |     |     |     |     |            |          |            |           |    |              |     |     |     |              |            |          |

| \* REFERENCE AS-33000-001 FOR SPECIFIC WIRE TYPES | | | | | | | | | | | |

|                        |                                                                                                                                               |         |        |        |                                                                                                     |                 |  |                |                                 |              |  |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|--------|-----------------------------------------------------------------------------------------------------|-----------------|--|----------------|---------------------------------|--------------|--|
| SYMBOLS                | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |         |        |        |                                                                                                     |                 |  |                |                                 |              |  |
|                        | DIMENSION UNITS                                                                                                                               |         | SCALE  |        | CURRENT REV DESC:                                                                                   |                 |  |                | <div>molex</div>                |              |  |
|                        | mm                                                                                                                                            |         |        |        |                                                                                                     |                 |  |                |                                 |              |  |
|                        | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |         |        |        | EC NO: 631014<br>DRWN: NVENKATESHSH 2019/05/11<br>CHK'D: ADHIR 2020/03/06<br>APPR: ADHIR 2020/03/06 |                 |  |                | MX150 1.5MM BLADE<br>TERMINAL   |              |  |
|                        | ANGULAR TOL ± 3.0 °                                                                                                                           |         |        |        |                                                                                                     |                 |  |                |                                 |              |  |
|                        | 4 PLACES                                                                                                                                      |         | ±      |        | INITIAL REVISION:                                                                                   |                 |  |                | PRODUCT CUSTOMER DRAWING        |              |  |
|                        | 3 PLACES                                                                                                                                      |         | ±      |        |                                                                                                     |                 |  |                |                                 |              |  |
|                        | 2 PLACES                                                                                                                                      |         | ± 0.10 |        | DRWN: LPULLIAM 2006/01/31<br>APPR: bmoser 2006/02/02                                                |                 |  |                | DOCUMENT NUMBER<br>SD-33000-001 |              |  |
|                        | 1 PLACE                                                                                                                                       |         | ± 0.3  |        |                                                                                                     |                 |  |                |                                 |              |  |
|                        | 0 PLACES                                                                                                                                      |         | ±      |        | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                          |                 |  |                | DOC TYPE<br>PSD                 |              |  |
|                        |                                                                                                                                               |         |        |        |                                                                                                     |                 |  |                |                                 |              |  |
| THIRD ANGLE PROJECTION |                                                                                                                                               | DRAWING |        | SERIES |                                                                                                     | MATERIAL NUMBER |  | CUSTOMER       |                                 | SHEET NUMBER |  |
|                        |                                                                                                                                               | C-SIZE  |        | 33000  |                                                                                                     | SEE TABLE       |  | GENERAL MARKET |                                 | 2 OF 5       |  |

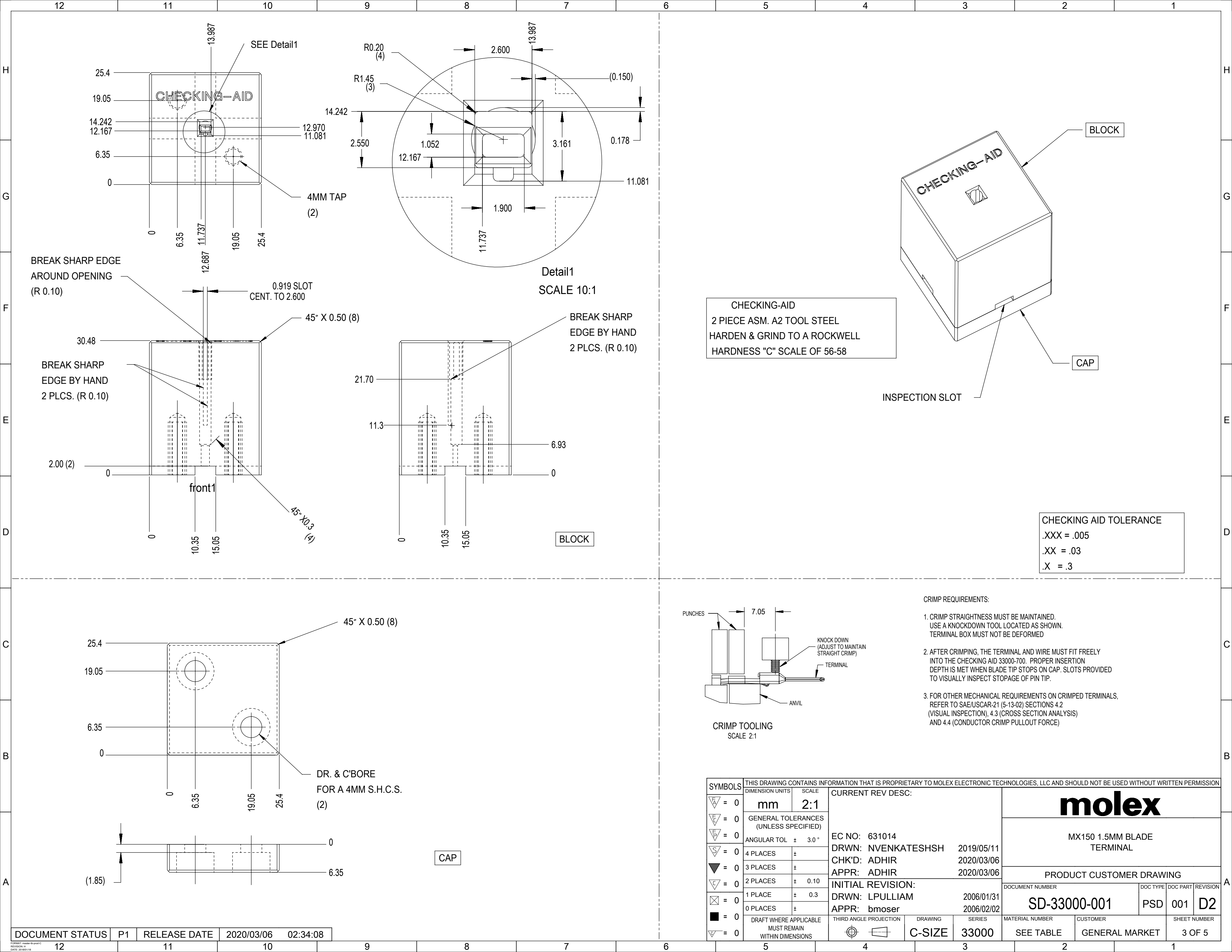
DOCUMENT STATUS

P1

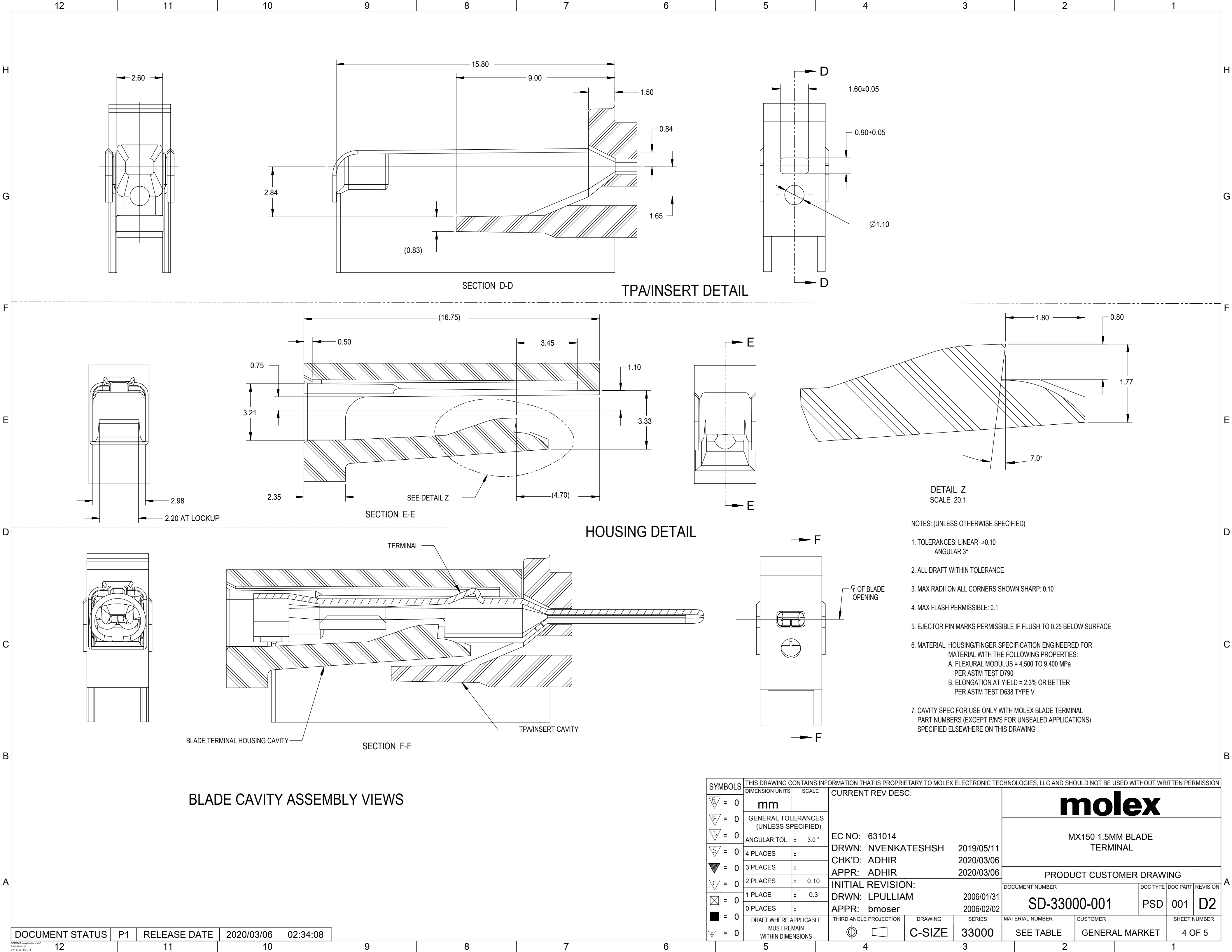
RELEASE DATE

2020/03/06 02:34:08

|    |    |    |   |   |   |   |   |   |   |   |   |
|----|----|----|---|---|---|---|---|---|---|---|---|
| 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|----|----|----|---|---|---|---|---|---|---|---|---|











Part Number : 330001002

Series Number : 33000

Product Category : Crimp Terminals

Product Description : MX150 Male Terminal for Mat-Sealed or Unsealed Connectors, Tin Plating, 16, 18 and 20 AWG, Left Reel Payoff

Status : Active

## Documents & Resources

### Drawings

Drawing 330001002\_sd.pdf

Packaging Design Drawing 313025040-000.pdf

### Specifications

Application Specification AS-33000-001-001.pdf

Test Summary TS-33000-001-001.pdf

## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33; 34                                                   |
| China RoHS         |  |
| EU ELV             | Compliant per 2000/53/EC                                                              |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2023)8585-DC (23 Jan 2024)                                        |
| EU RoHS            | Compliant per EU 2015/863                                                             |

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## Part Details

### General

|                |                                                                                                             |
|----------------|-------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                      |
| Category       | Crimp Terminals                                                                                             |
| Series         | 33000                                                                                                       |
| Description    | MX150 Male Terminal for Mat-Sealed or Unsealed Connectors, Tin Plating, 16, 18 and 20 AWG, Left Reel Payoff |
| Application    | Power, Wire-to-Board, Wire-to-Wire                                                                          |
| Comments       | Left Reel Payoff                                                                                            |
| Product Family | MX150 Sealed and Unsealed Connector System                                                                  |
| Product Name   | MX150                                                                                                       |
| UPC            | 756054586259                                                                                                |

### Electrical

|                               |               |
|-------------------------------|---------------|
| Current - Maximum per Contact | Contact Molex |
| Voltage - Maximum             | 14V DC        |

### Physical

|                                |                              |
|--------------------------------|------------------------------|
| Durability (mating cycles max) | 25                           |
| Gender                         | Male                         |
| Grip Code                      | 18                           |
| Material - Metal               | High Performance Alloy (HPA) |
| Material - Plating Mating      | Tin                          |
| Material - Plating Termination | Tin                          |
| Net Weight                     | 0.438/g                      |
| Packaging Type                 | Reel                         |
| Plating min - Mating           | 0.508µm                      |
| Plating min - Termination      | 0.508µm                      |
| Termination Interface Style    | Crimp or Compression         |
| Wire Insulation Diameter       | 2.54mm max.                  |
| Wire Size (AWG)                | 16, 18, 20                   |

|                           |           |
|---------------------------|-----------|
| Wire Size mm <sup>2</sup> | 0.75-1.00 |
|---------------------------|-----------|

## Solder Process Data

|                              |     |
|------------------------------|-----|
| Lead-Free Process Capability | N/A |
|------------------------------|-----|

## Use with Part(s)

| Description                                           | Part Number  |
|-------------------------------------------------------|--------------|
| MX150 Mat-Sealed Single Row Male Connector Assemblies | <u>33481</u> |
| MX150 Mat-Sealed Dual Row Male Connector Assemblies   | <u>33482</u> |

## Application Tooling

### Global

| Description                                                                                                               | Part Number       |
|---------------------------------------------------------------------------------------------------------------------------|-------------------|
| Extraction Toolkit for MX150 Connectors                                                                                   | <u>2002220700</u> |
| FA2 Mechanical Applicator for MX150 Terminals, 20 AWG GXL or TXL Wire, Insulation Diameter (OD) 1.60mm-2.54mm             | <u>638082700</u>  |
| FA2 Pneumatic Feed Crimp Applicator for MX150 18 Grip Blade Terminals, 20 AWG                                             | <u>638082710</u>  |
| FA2 Mechanical Feed Applicator for MX150 18 Grip Male Terminals, 18 AWG, 0.75mm <sup>2</sup> and 1.00mm <sup>2</sup> Wire | <u>638082900</u>  |
| FA2 Pneumatic Feed Crimp Applicator for MX150 Blade Terminals, 18 AWG, 0.75mm <sup>2</sup> and 1.00mm <sup>2</sup> Wire   | <u>638082910</u>  |
| FA2 Mechanical Feed Applicator for MX150 Mat Seal/Unsealed Blade Terminals, 16 AWG TXL Wire and 18 AWG GXL Wire           | <u>638084100</u>  |
| FA2 Pneumatic Feed Applicator for MX150 Mat Seal/Unsealed Blade Terminals, 16 AWG TXL Wire and 18 AWG GXL Wire            | <u>638084110</u>  |
| PremiumGrade Hand Crimp Tool for 1.50mm MX150 Blade Male Terminals, 14-16 AWG                                             | <u>638112400</u>  |



|                                                                                                           |                  |
|-----------------------------------------------------------------------------------------------------------|------------------|
| PremiumGrade Hand Crimp Tool<br>for 1.50mm MX150 Blade Male<br>Terminals, 18-22 AWG                       | <u>638112600</u> |
| Extraction Tool for MX150L, MX150,<br>PT Bulb Socket, iGrid, SPOX, and<br>Wire-to-Motor Terminals         | <u>638131500</u> |
| FineAdjust Applicator for SRC<br>Connector using MX150 Receptacle<br>Terminals, 0.75mm <sup>2</sup> wires | <u>639040800</u> |

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This document was generated on Jul 16, 2024