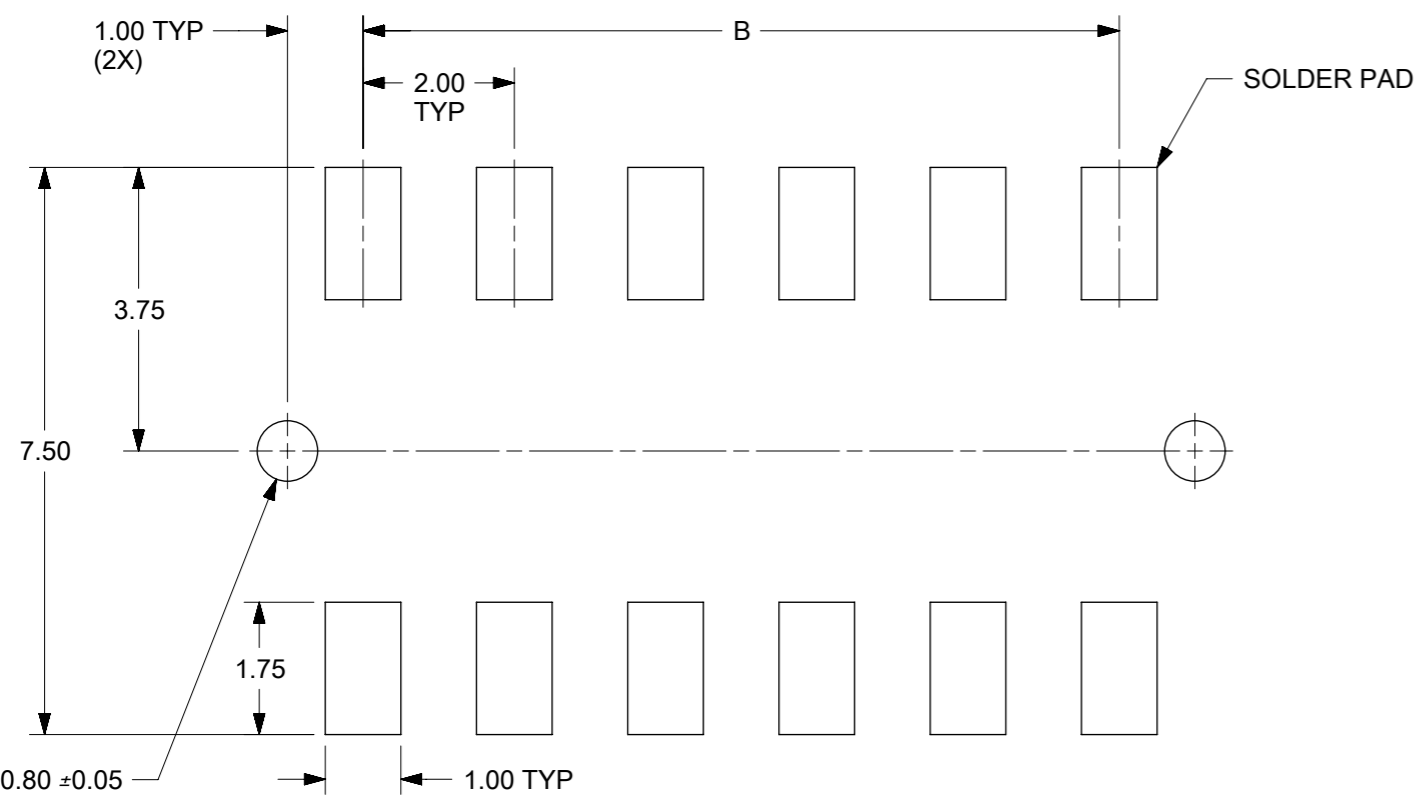
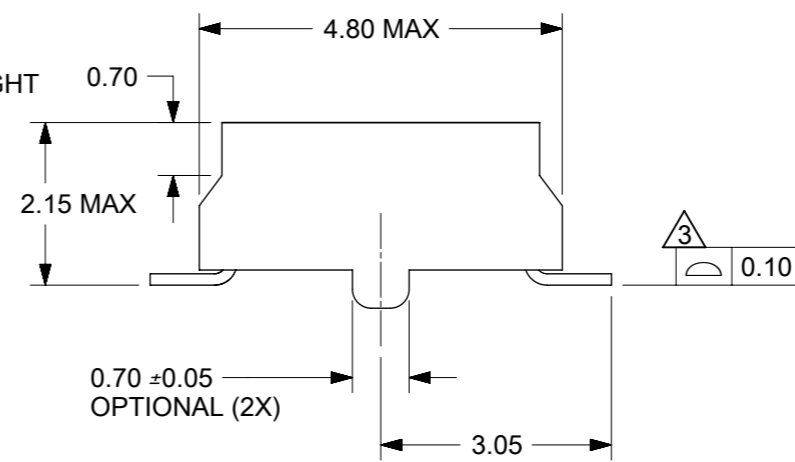
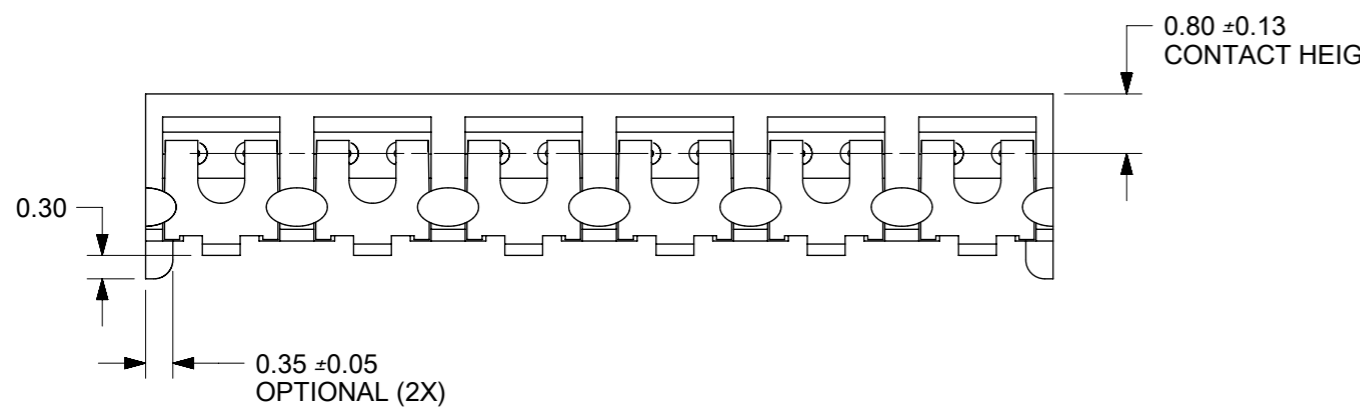


NOTES:

- 12 CIRCUIT SIZE SHOWN FOR ILLUSTRATION ONLY. SEE CHART FOR AVAILABLE PART SIZES.
- PLATING FINISH:  
 5 & 7 - 0.05µm-0.25µm GOLD IN CONTACT AREA  
 1.90µm/75µ" MIN. TIN IN SOLDER TAIL AREA  
 BOTH OVER 1.30µm/50µ" MIN. NICKEL OVERALL  
 3 & 8 - 0.76µm/30µ" MIN. GOLD IN CONTACT AREA  
 1.90µm/75µ" MIN. TIN IN SOLDER TAIL AREA  
 BOTH OVER 1.30µm/50µ" MIN. NICKEL OVERALL  
 4 & 9 - 0.38µm/15µ" MIN. GOLD IN CONTACT AREA  
 1.90µm/75µ" MIN. TIN IN SOLDER TAIL AREA  
 BOTH OVER 1.30µm/50µ" MIN. NICKEL OVERALL
- COPLANARITY OF SOLDER TAIL IS TO BE MEASURED BY RESTING THE PART ON A FLAT GAUGE SURFACE.
- PRODUCT SPECIFICATION PS-87340 APPLIES.
- THIS AREA OF PART TO BE HEAT STAKED TO RETAIN CONTACTS.
- PART IS MATEABLE TO ALL MILLI-GRID HEADERS WITH MINIMUM PIN LENGTHS OF 1.90mm FOR TOP ENTRY.

| PART NO. IN TUBE | CKT. SIZE | DIM. B | DIM. A |
|------------------|-----------|--------|--------|
| 87340-04**       | 4         | 2.00   | 4.00   |
| 87340-06**       | 6         | 4.00   | 6.00   |
| 87340-08**       | 8         | 6.00   | 8.00   |
| 87340-10**       | 10        | 8.00   | 10.00  |
| 87340-12**       | 12        | 10.00  | 12.00  |
| 87340-14**       | 14        | 12.00  | 14.00  |
| 87340-16**       | 16        | 14.00  | 16.00  |
| 87340-18**       | 18        | 16.00  | 18.00  |
| 87340-20**       | 20        | 18.00  | 20.00  |

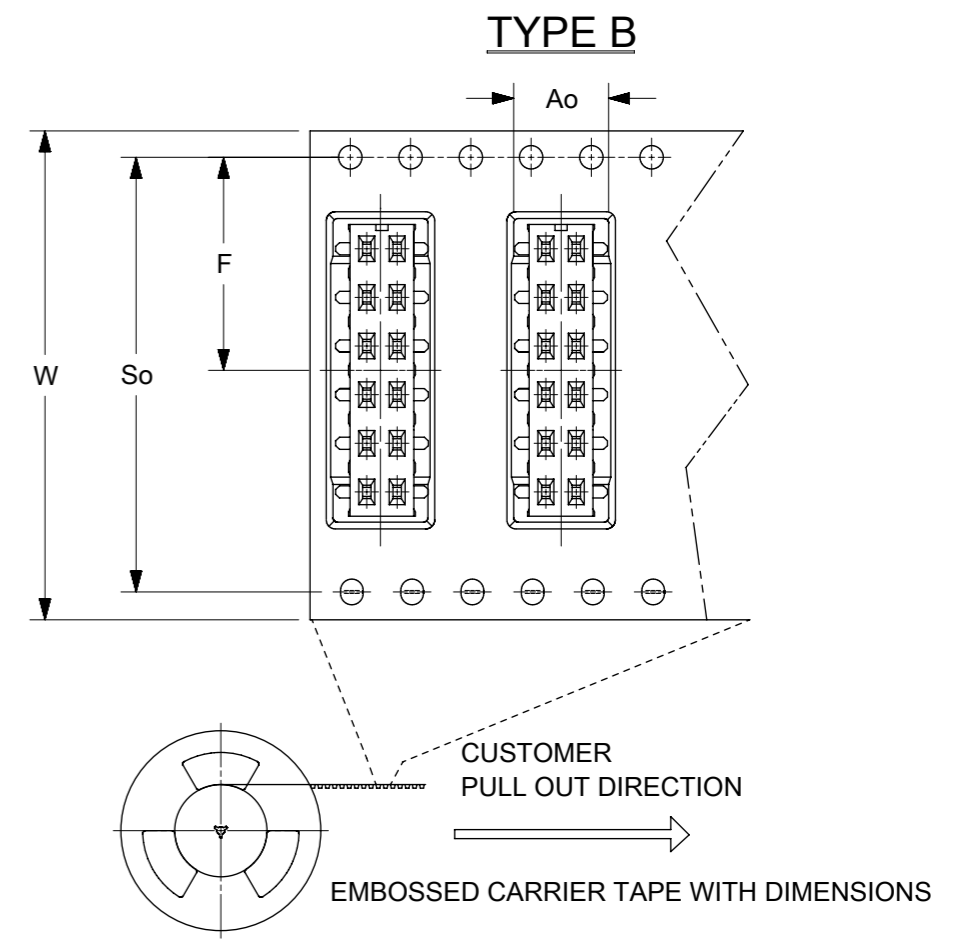
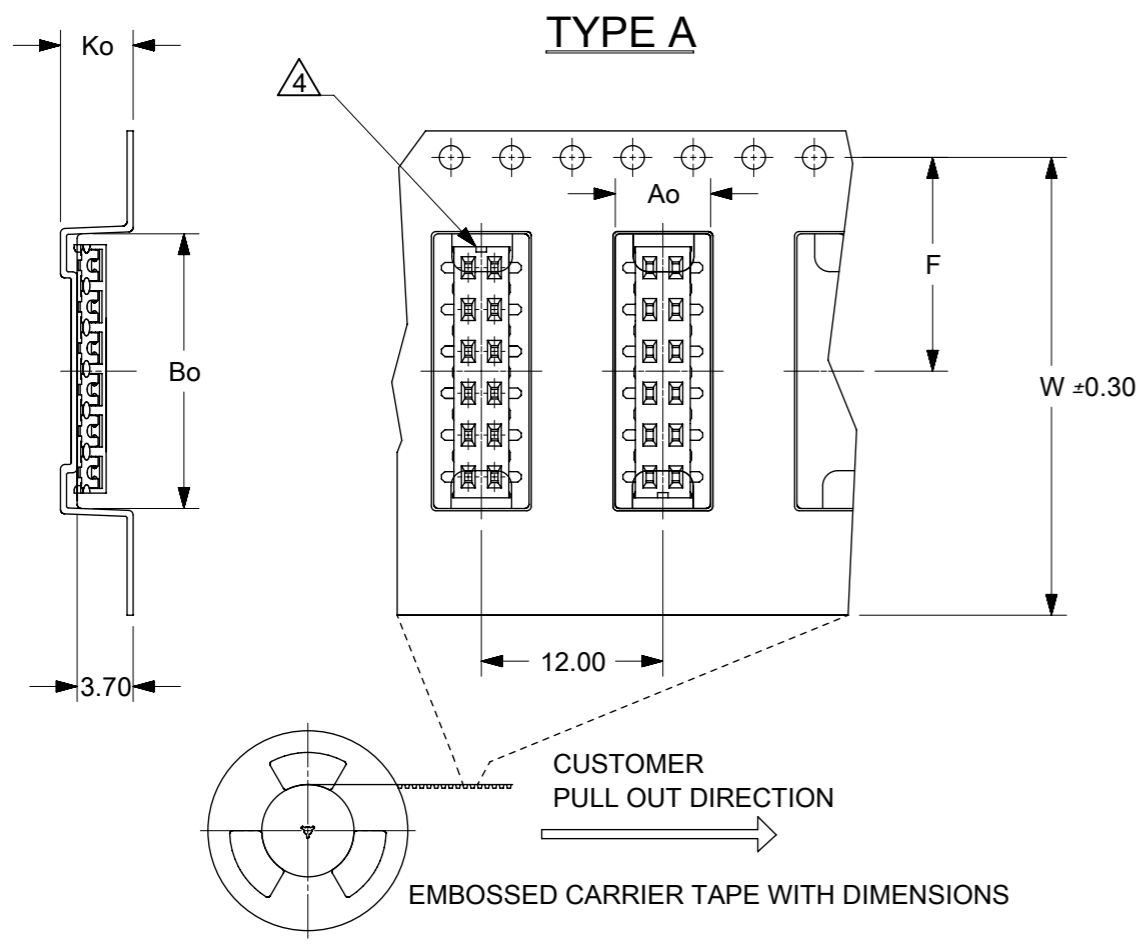


RECOMMENDED PCB LAYOUT

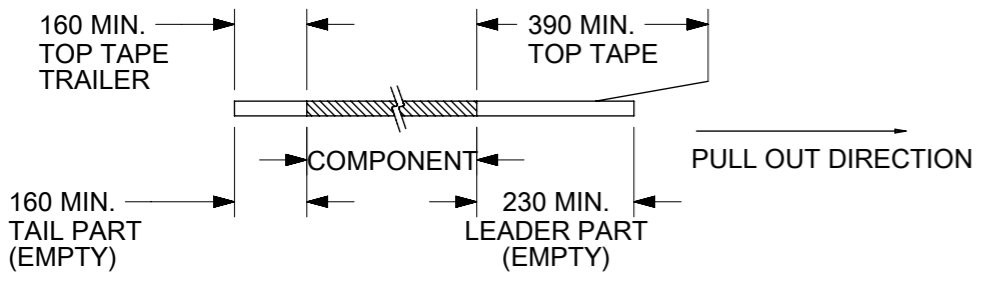
PART NO. LEGEND

- 87340 - \* \* \* \*
- CIRCUIT SIZE
- PACKAGING & PLATING <sup>2</sup>
- 3 - (TUBE WITH 0.76µm MIN GOLD)
  - 4 - (TUBE WITH 0.38µm MIN GOLD)
  - 5 - (TUBE WITH 0.05-0.25µm GOLD)
  - 7 - (T&R WITH 0.05-0.25µm GOLD)
  - 8 - (T&R WITH 0.76µm MIN GOLD)
  - 9 - (T&R WITH 0.38µm MIN GOLD)
- 1 - WITHOUT LOCATING PEGS (HOUSING - BLACK)
  - 2 - WITH LOCATING PEGS (HOUSING - BLACK)
  - 5 - WITHOUT LOCATING PEGS (HOUSING - NATURAL)
  - 6 - WITH LOCATING PEGS (HOUSING - NATURAL)

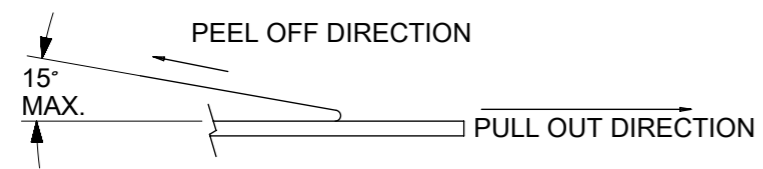
|   |  |                                    |  |  |  |
|---|--|------------------------------------|--|--|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  | CURRENT REV DESC: MIGRATED TO ECTR |  | <b>molex</b>                                 |  |
| DIMENSION UNITS: mm NTS   |  | SCALE: NTS                         |  |  |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  | EC NO: 172635                      |  | VLPR II, 2MM DUAL ROW TOP ENTRY RECEPT., SMT |  |
| 4 PLACES ±  |  | DRWN: RMV02                        |  | 2018/02/20                                   |  |
| 3 PLACES ±  |  | CHK'D: CD                          |  | 2018/05/25                                   |  |
| 2 PLACES ± 0.2  |  | APPR: GGA                          |  | 2018/05/30                                   |  |
| 1 PLACE ±   |  | INITIAL REVISION:                  |  | PRODUCT CUSTOMER DRAWING                     |  |
| 0 PLACES ±  |  | DRWN: JKACHLI                      |  | DOCUMENT NUMBER                              |  |
| ANGULAR TOL ± 3.0°  |  | APPR: MLONG                        |  | SD-87340-XX01                                |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |  | THIRD ANGLE PROJECTION             |  | DOC TYPE                                     |  |
| DRAWING: A3-SIZE  |  | SERIES: 87340                      |  | PSD  |  |
| MATERIAL NUMBER: SEE TABLE  |  | CUSTOMER: GENERAL MARKET           |  | DOC PART                                     |  |
| SHEET NUMBER: 1 OF 3  |  |                                    |  | REVISION: L9                                 |  |



NOTES:  
1. LEADER AND TRAILER TAPE



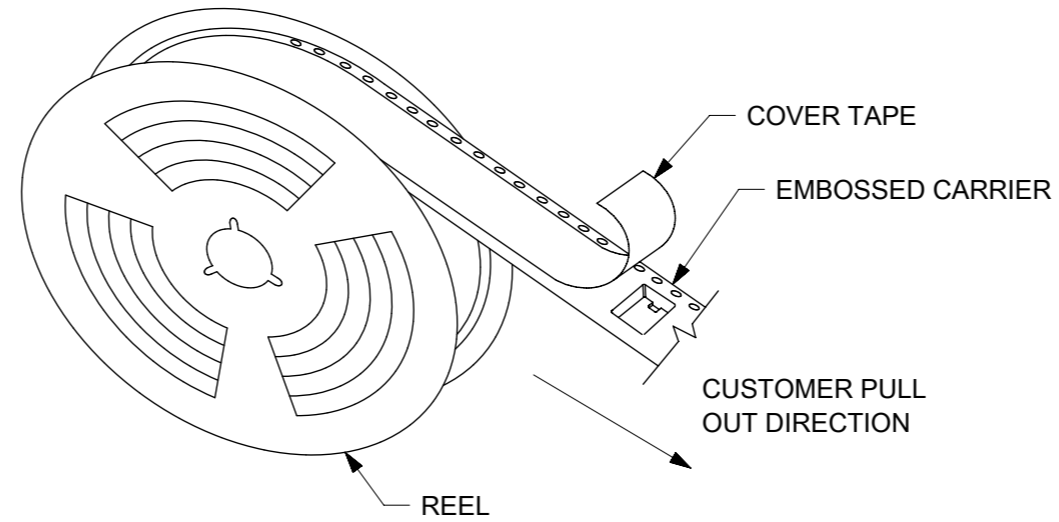
2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf.  
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



- 3. PACKAGING STANDARD IS AS PER EIA-481.
- 4. NO FIX ORIENTATION OF ASSEMBLY PART IN T&R.
- 5. TAPE & REEL QUANTITY : TBA

|   |  |       |  |                                    |  |            |  |  |  |                |          |              |
|---|--|-------|--|------------------------------------|--|------------|--|--|--|----------------|----------|--------------|
| 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: MIGRATED TO ECTR |  |            |  |  |  | <b>molex</b>   |          |              |
| mm  |  | NTS   |  |                                    |  |            |  |  |  |                |          |              |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |       |  | EC NO: 172635                      |  | 2018/02/20 |  | MGRID  |  |                |          |              |
|   |  |       |  | DRWN: RMV02                        |  | 2018/05/25 |  | VLPR II, 2MM DUAL ROW TOP ENTRY RECEPT., SMT |  |                |          |              |
| 4 PLACES ±  |  |       |  | CHK'D: CD                          |  | 2018/05/30 |  | PRODUCT CUSTOMER DRAWING                     |  |                |          |              |
| 3 PLACES ±  |  |       |  | APPR: GGA                          |  |            |  |  |  |                |          |              |
| 2 PLACES ± 0.2  |  |       |  | INITIAL REVISION:                  |  |            |  | DOCUMENT NUMBER                              |  | DOC TYPE       | DOC PART | REVISION     |
| 1 PLACE ±   |  |       |  | DRWN: JKACHLI                      |  | 1991/07/02 |  | SD-87340-XX01                                |  | PSD            | 001      | L9           |
| 0 PLACES ±  |  |       |  | APPR: MLONG                        |  | 2009/11/24 |  | MATERIAL NUMBER                              |  | CUSTOMER       |          | SHEET NUMBER |
| ANGULAR TOL ± 3.0°  |  |       |  | THIRD ANGLE PROJECTION             |  | DRAWING    |  | SERIES                                       |  | GENERAL MARKET |          | 2 OF 3       |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |  |       |  | A3-SIZE                            |  | 87340      |  | SEE TABLE                                    |  |                |          |              |

| PART NO. IN TUBE | PART NO. TAPE/REEL | CKT SIZE | Ao   | Bo    | F     | W     | Ko   | So    |
|------------------|--------------------|----------|------|-------|-------|-------|------|-------|
| 87340-0424       | 87340-0429         | 04       | 6.60 | 4.50  | 7.50  | 16.00 | 2.85 | -     |
| 87340-1014       | 87340-1019         | 10       | 6.70 | 10.40 | 11.50 | 24.00 | 5.30 | -     |
| 87340-1613       | 87340-1618         | 16       | 6.60 | 16.30 | 11.50 | 24.00 | 4.40 | -     |
| 87340-1424       | 87340-1429         | 14       | 6.60 | 14.40 | 11.50 | 24.00 | 4.40 | -     |
| 87340-1813       | 87340-1818         | 18       | 6.60 | 18.40 | 14.20 | 32.00 | 4.40 | 28.40 |
| 87340-1814       | 87340-1819         | 18       | 6.60 | 18.40 | 14.20 | 32.00 | 4.40 | 28.40 |
| 87340-2024       | 87340-2029         | 20       | 6.60 | 20.30 | 20.20 | 44.00 | 5.40 | 40.40 |



TAPE AND REEL ASSEMBLY SHOWN IS FOR ILLUSTRATION ONLY.

|   |  |       |      |                                    |  |            |        |  |  |                |          |              |
|---|--|-------|------|------------------------------------|--|------------|--------|--|--|----------------|----------|--------------|
| 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: MIGRATED TO ECTR |  |            |        |  |  | <b>molex</b>   |          |              |
| mm  |  | NTS   |      |                                    |  |            |        |  |  |                |          |              |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |       |      | EC NO: 172635                      |  | 2018/02/20 |        | MGRID  |  |                |          |              |
| 4 PLACES  |  | ±     | ±    | DRWN: RMV02                        |  | 2018/05/25 |        | VLPR II, 2MM DUAL ROW TOP ENTRY RECEPT., SMT |  |                |          |              |
| 3 PLACES  |  | ±     | ±    | CHK'D: CD                          |  | 2018/05/30 |        | PRODUCT CUSTOMER DRAWING                     |  |                |          |              |
| 2 PLACES  |  | ±     | 0.2  | APPR: GGA                          |  |            |        |  |  |                |          |              |
| 1 PLACE   |  | ±     | ±    | INITIAL REVISION:                  |  |            |        | DOCUMENT NUMBER                              |  | DOC TYPE       | DOC PART | REVISION     |
| 0 PLACES  |  | ±     | ±    | DRWN: JKACHLI                      |  | 1991/07/02 |        | SD-87340-XX01                                |  | PSD            | 001      | L9           |
| ANGULAR TOL   |  | ±     | 3.0° | APPR: MLONG                        |  | 2009/11/24 |        | MATERIAL NUMBER                              |  | CUSTOMER       |          | SHEET NUMBER |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |  |       |      | THIRD ANGLE PROJECTION             |  | DRAWING    | SERIES | SEE TABLE                                    |  | GENERAL MARKET |          | 3 OF 3       |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2018/05/30 | 10:36:19 |
|-----------------|----|--------------|------------|----------|

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