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LOC

DIST

REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

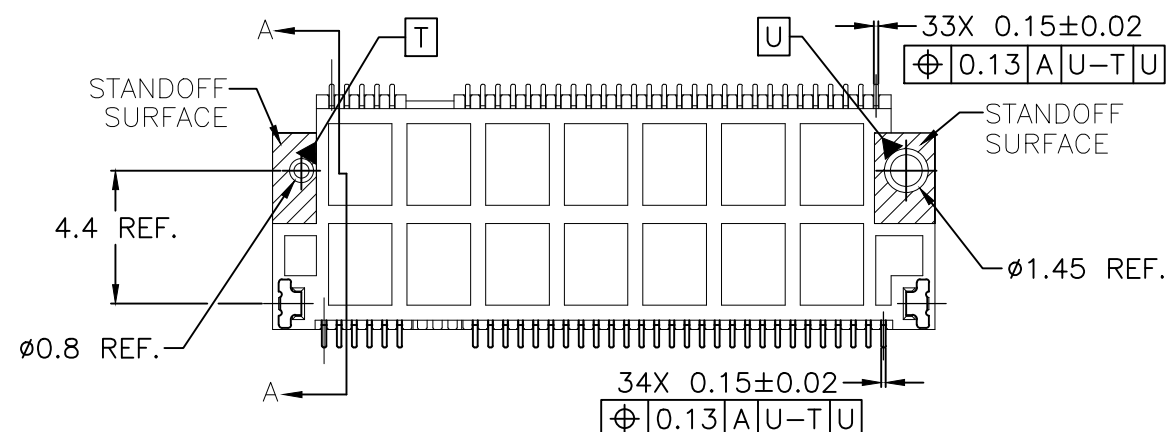
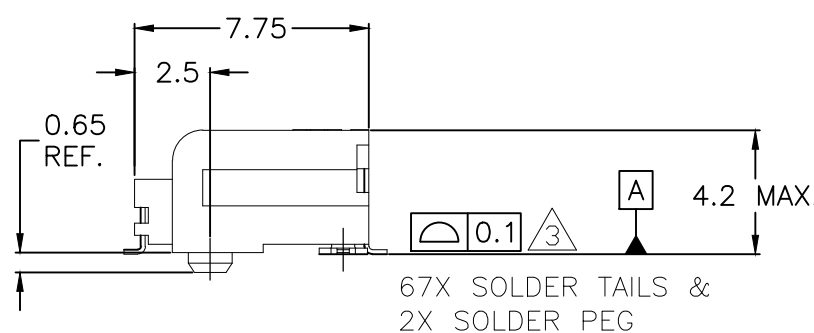
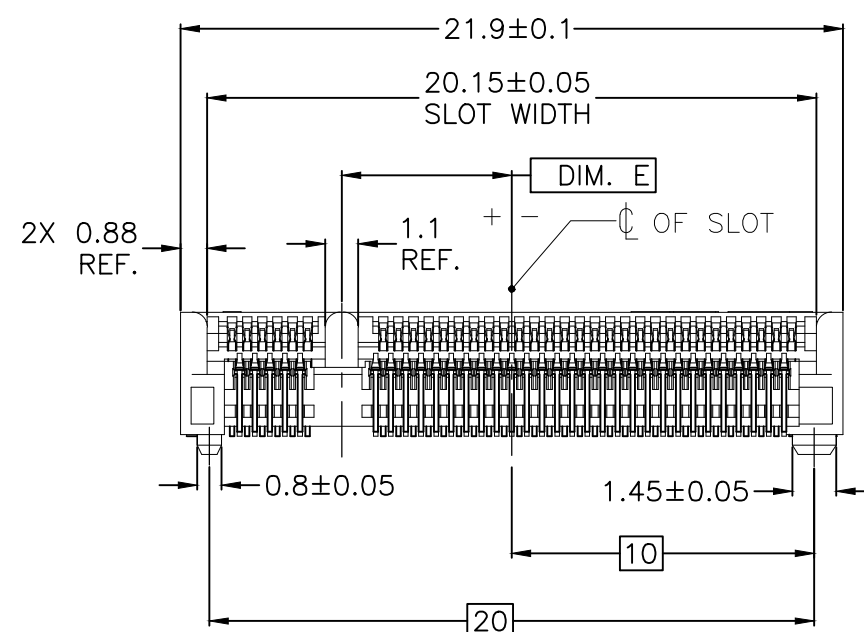
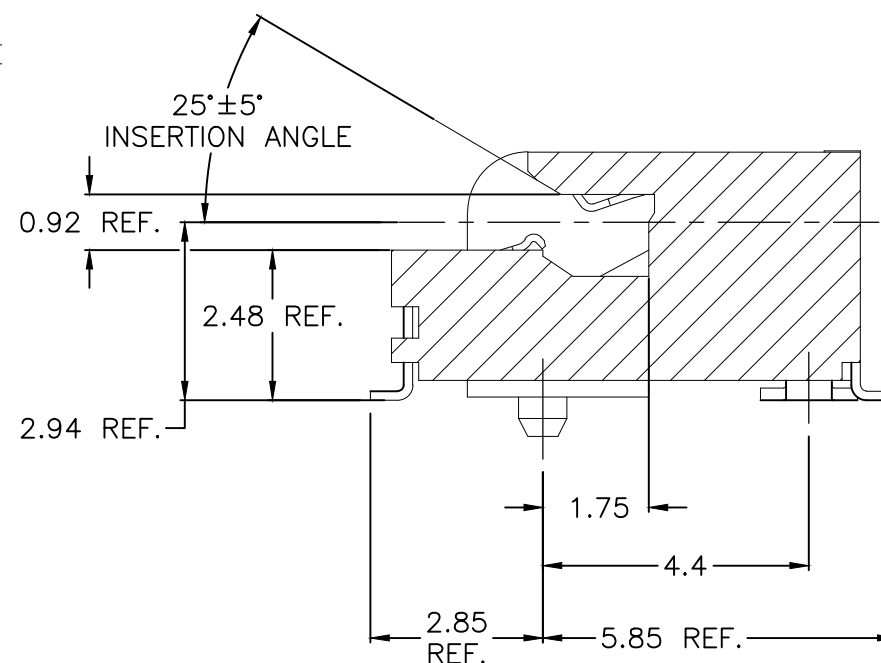
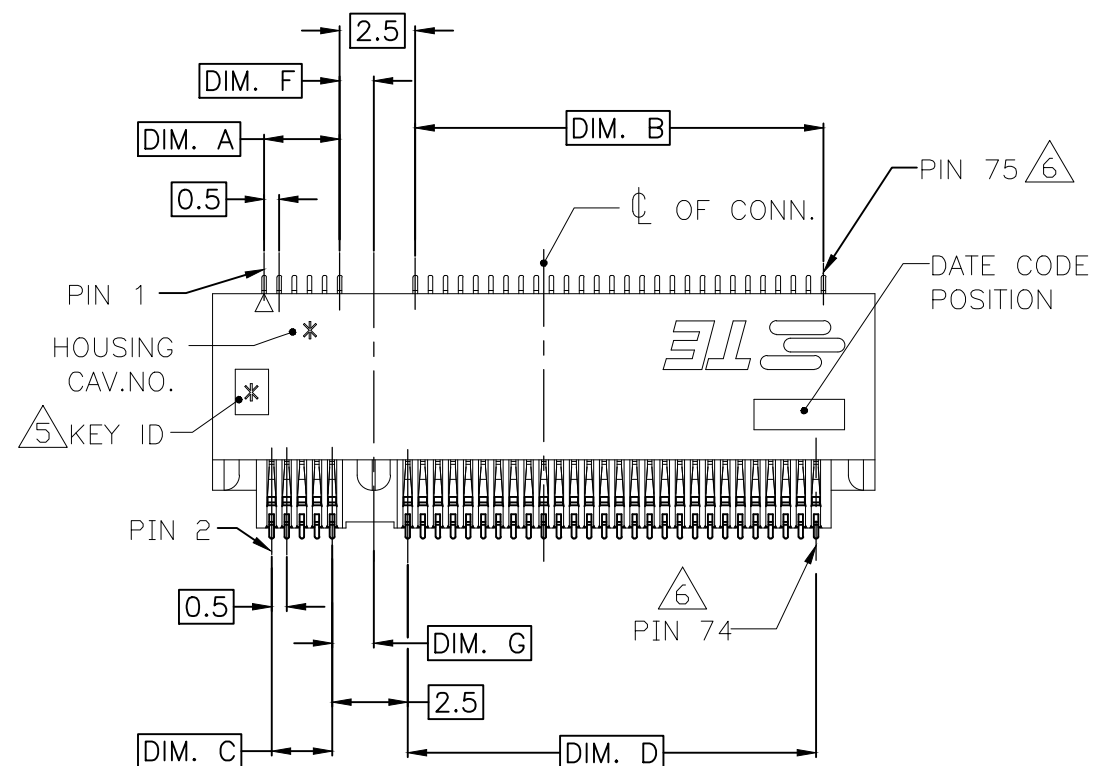
B2

REVISED PER ECR-17-001727

7FEB2017

S.W

W.H



## NOTES:

1. MATERIAL:
  - 1.1 HOUSING : HIGH TEMPERATURE THERMOPLASTIC UL94V-0, COLOR: BLACK.
  - 1.2 CONTACT: COPPER ALLOY.
  - 1.3 SOLDER PEG: STAINLESS STEEL.

## 2. FINISH:

- 2.1 CONTACT: UNDERCOAT NICKEL 50u" min. ALL OVER; MATING AREA: GOLD PLATING, THE THICKNESS SEE TABLE LIST; SOLDERABLE AREA: GOLDFLASH.
- 2.2 SOLDER PEG: UNDERCOAT: NICKEL 50u" min. ALL OVER SOLDERABLE AREA: MATTE TIN 100u" min.

3. COPLANARITY: 0.10mm MAX.(BEFORE SOLDERING).

4. ACCEPTED MODULE BASED ON INDUSTRY STD

5. KEY ID, "\*" IS A CAPITAL LETTER PER THE PART NO.

6. THE PIN NO. DEFINITIONS ARE ACCORDING TO PCB FOOTPRINT, THE ACTUAL PIN QUANTITY IS ONLY 67 POS. FOR KEY TAKING OUT 8 POS.

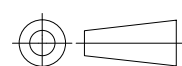
7. THE PRODUCT IS RoHS COMPLIANT, BR 900PPM MAX., CL 900PPM MAX. BR+CL 1500 PPM MAX.

8. MINUS MEANS CL OF KEY IS ON THE RIGHT SIDE OF CONN. CL IN PAGE 1.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm



TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± 0.30  
1 PLC ± 0.30  
2 PLC ± 0.20  
3 PLC ± 0.10  
4 PLC ± -  
ANGLES ± 3°

MATERIAL

FINISH

DWN 90CT2012

SIMON WU

CHK 90CT2012

SIMON LI

APVD 90CT2012

COREL WANG

PRODUCT SPEC

SEE TABLE

APPLICATION SPEC

114-115006

WEIGHT 0.64 G

CUSTOMER DRAWING

TE

TE Connectivity

NAME

M.2(NGFF) MINI CARD MOUNTING TYPE  
0.50mm PITCH 67 POS. 4.2mm HEIGHT  
FOR DOUBLE SIDED MODULE

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

C-2199230

SCALE 4:1

SHEET

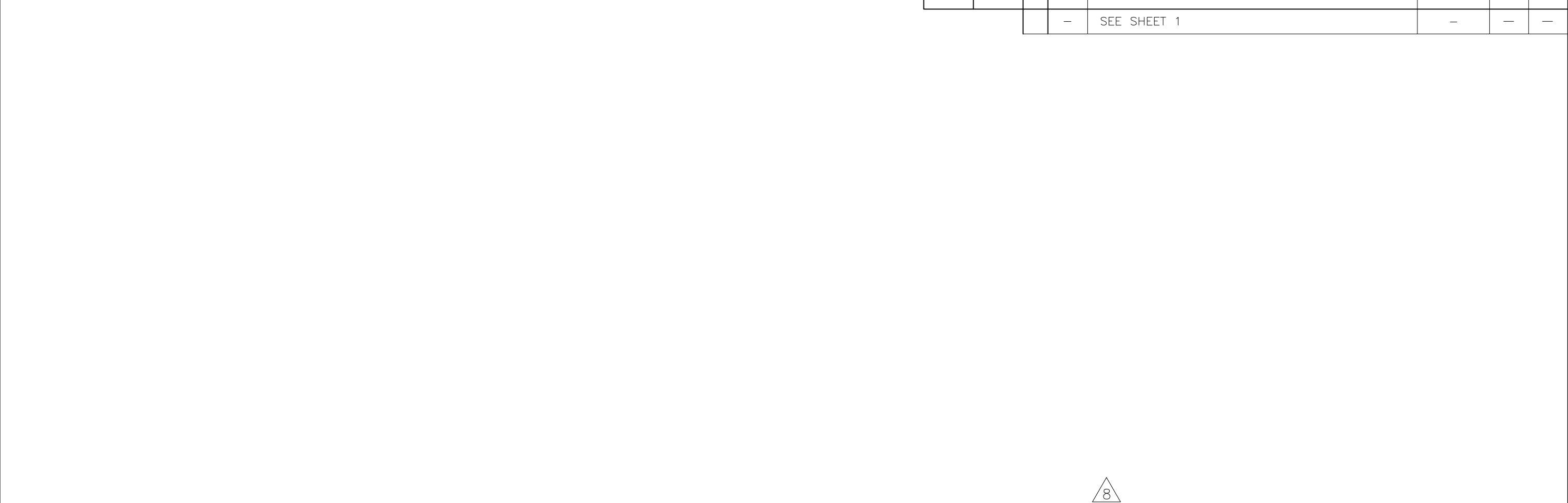
1 OF 4

REV

B2

|                              |                                    |
|------------------------------|------------------------------------|
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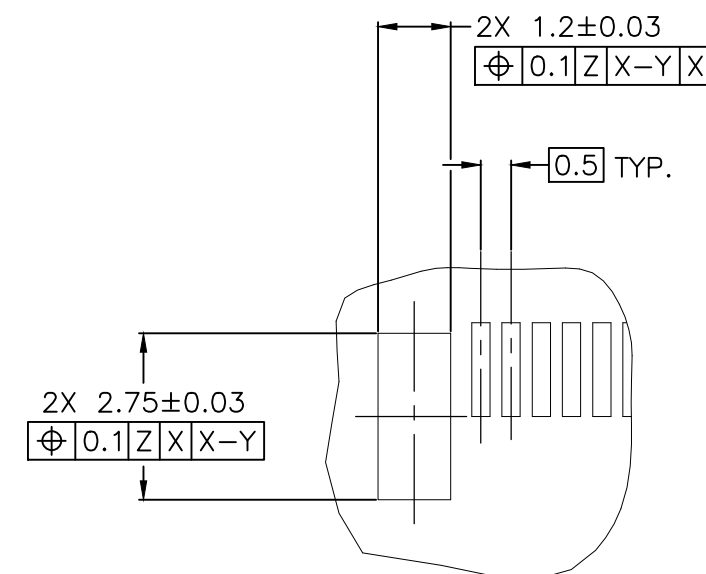
| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| —   | —    | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      |           | —   | SEE SHEET 1 | —    | —   | —    |



|         |               |            |        |        |        |        |        |        |        |             |
|---------|---------------|------------|--------|--------|--------|--------|--------|--------|--------|-------------|
| M       | 108-115042    | 50u'' MIN. | 1.125  | 1.375  | -6.125 | 1.5    | 14.0   | 2.0    | 14.0   | 1-2199230-7 |
|         |               | 30u'' MIN. |        |        |        |        |        |        |        | 1-2199230-6 |
|         |               | 15u'' MIN. |        |        |        |        |        |        |        | 1-2199230-5 |
|         |               | 10u'' MIN. |        |        |        |        |        |        |        | 1-2199230-4 |
|         | 108-115049    | GOLD FLASH |        |        |        |        |        |        |        | 1-2199230-3 |
| A       | 108-115042    | 10u'' MIN. | 1.375  | 1.125  | 6.625  | 14.5   | 1.0    | 14.5   | 1.5    | 1-2199230-2 |
| E       |               |            |        |        | 2.625  | 10.5   | 5.0    | 10.5   | 5.5    | 1-2199230-1 |
| B       |               |            |        |        | 5.625  | 13.5   | 2.0    | 13.5   | 2.5    | 1-2199230-0 |
| A       | 108-115042    | 30u'' MIN. |        |        | 6.625  | 14.5   | 1.0    | 14.5   | 1.5    | 2199230-9   |
|         |               | 15u'' MIN. |        |        |        |        |        |        |        | 2199230-8   |
|         | 108-115049    | GOLD FLASH |        |        |        |        |        |        |        | 2199230-7   |
| E       | 108-115042    | 30u'' MIN. |        |        | 2.625  | 10.5   | 5.0    | 10.5   | 5.5    | 2199230-6   |
| B       |               |            |        |        | 5.625  | 13.5   | 2.0    | 13.5   | 2.5    | 2199230-5   |
| E       |               | 15u'' MIN. |        |        | 2.625  | 10.5   | 5.0    | 10.5   | 5.5    | 2199230-4   |
| B       |               |            |        |        | 5.625  | 13.5   | 2.0    | 13.5   | 2.5    | 2199230-3   |
| E       | 108-115049    | GOLD FLASH |        |        | 2.625  | 10.5   | 5.0    | 10.5   | 5.5    | 2199230-2   |
| B       |               |            |        |        | 5.625  | 13.5   | 2.0    | 13.5   | 2.5    | 2199230-1   |
| KEY ID. | PRODUCT SPEC. | GOLD SPEC. | DIM. G | DIM. F | DIM. E | DIM. D | DIM. C | DIM. B | DIM. A | PART NO.    |

|                                                                                       |  |                                           |  |                                                                                                                  |  |                         |  |                    |  |
|---------------------------------------------------------------------------------------|--|-------------------------------------------|--|------------------------------------------------------------------------------------------------------------------|--|-------------------------|--|--------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>SIMON WU<br>90CT2012               |  | <div> TE Connectivity</div> |  |                         |  |                    |  |
|                                                                                       |  | CHK<br>SIMON LI<br>90CT2012               |  |                                                                                                                  |  |                         |  |                    |  |
|                                                                                       |  | APVD<br>COREL WANG<br>90CT2012            |  |                                                                                                                  |  |                         |  |                    |  |
| DIMENSIONS:<br>mm                                                                     |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |  | NAME<br><br>M.2(NGFF) MINI CARD MOUNTING TYPE<br>0.50mm PITCH 67 POS. 4.2mm HEIGHT<br>FOR DOUBLE SIDED MODULE    |  |                         |  |                    |  |
|  |  | 0 PLC ± 0.30                              |  |                                                                                                                  |  |                         |  |                    |  |
|                                                                                       |  | 1 PLC ± 0.30                              |  |                                                                                                                  |  |                         |  |                    |  |
|                                                                                       |  | 2 PLC ± 0.20                              |  |                                                                                                                  |  |                         |  |                    |  |
|                                                                                       |  | 3 PLC ± 0.10                              |  |                                                                                                                  |  |                         |  |                    |  |
| 4 PLC ± —                                                                             |  | PRODUCT SPEC                              |  | SIZE<br>A3                                                                                                       |  |                         |  |                    |  |
| ANGLES ± 3°                                                                           |  | APPLICATION SPEC                          |  |                                                                                                                  |  |                         |  |                    |  |
|                                                                                       |  |                                           |  |                                                                                                                  |  |                         |  |                    |  |
|                                                                                       |  |                                           |  |                                                                                                                  |  |                         |  |                    |  |
|                                                                                       |  |                                           |  |                                                                                                                  |  |                         |  |                    |  |
| MATERIAL<br>—                                                                         |  | FINISH<br>—                               |  | CAGE CODE<br>00779                                                                                               |  | DRAWING NO<br>C-2199230 |  | RESTRICTED TO<br>— |  |
|                                                                                       |  |                                           |  | CUSTOMER DRAWING                                                                                                 |  | SCALE<br>4:1            |  | SHEET<br>2 OF 4    |  |
|                                                                                       |  |                                           |  |                                                                                                                  |  |                         |  | REV<br>B2          |  |

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|-----|-------------|------|-----|------|
|   | —   | SEE SHEET 1 | —    | —   | —    |



|         |        |        |        |        |
|---------|--------|--------|--------|--------|
| M       | 1.5    | 14.0   | 2.0    | 14.0   |
| E       | 10.5   | 5.0    | 10.5   | 5.5    |
| B       | 13.5   | 2.0    | 13.5   | 2.5    |
| A       | 14.5   | 1.0    | 14.5   | 1.5    |
| KEY ID. | DIM. D | DIM. C | DIM. B | DIM. A |

|                                                                                       |                                                                                                                                           |                    |          |                                                                                                                 |  |              |                    |                         |                    |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------|-----------------------------------------------------------------------------------------------------------------|--|--------------|--------------------|-------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |                                                                                                                                           | DWN<br>SIMON WU    | 90CT2012 | <div>TE Connectivity</div> |  |              |                    |                         |                    |
| DIMENSIONS:<br>mm                                                                     |                                                                                                                                           | CHK<br>SIMON LI    | 90CT2012 | NAME<br><br>M.2(NGFF) MINI CARD MOUNTING TYPE<br>0.50mm PITCH 67 POS. 4.2mm HEIGHT<br>FOR DOUBLE SIDED MODULE   |  |              |                    |                         |                    |
|  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:<br><br>0 PLC ± 0.30<br>1 PLC ± 0.30<br>2 PLC ± 0.20<br>3 PLC ± 0.10<br>4 PLC ± —<br>ANGLES ± 3° | APVD<br>COREL WANG | 90CT2012 |                                                                                                                 |  |              |                    |                         |                    |
|                                                                                       |                                                                                                                                           | PRODUCT SPEC       |          |                                                                                                                 |  |              |                    |                         |                    |
|                                                                                       |                                                                                                                                           | APPLICATION SPEC   |          |                                                                                                                 |  |              |                    |                         |                    |
| MATERIAL<br>—                                                                         |                                                                                                                                           | FINISH<br>—        |          | WEIGHT                                                                                                          |  | SIZE<br>A3   | CAGE CODE<br>00779 | DRAWING NO<br>C-2199230 | RESTRICTED TO<br>— |
| CUSTOMER DRAWING                                                                      |                                                                                                                                           |                    |          |                                                                                                                 |  | SCALE<br>5:1 | SHEET<br>3 OF 4    |                         | REV<br>B2          |

