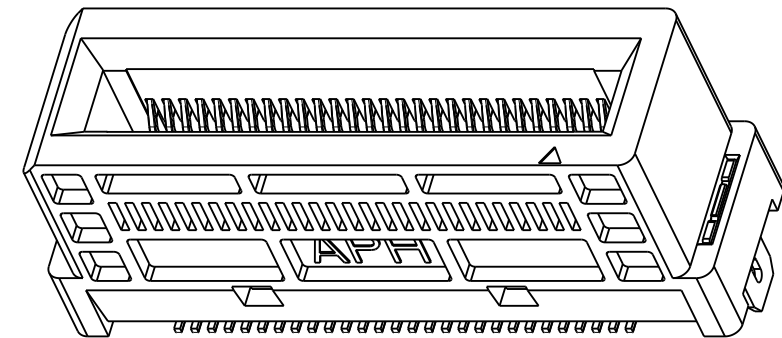
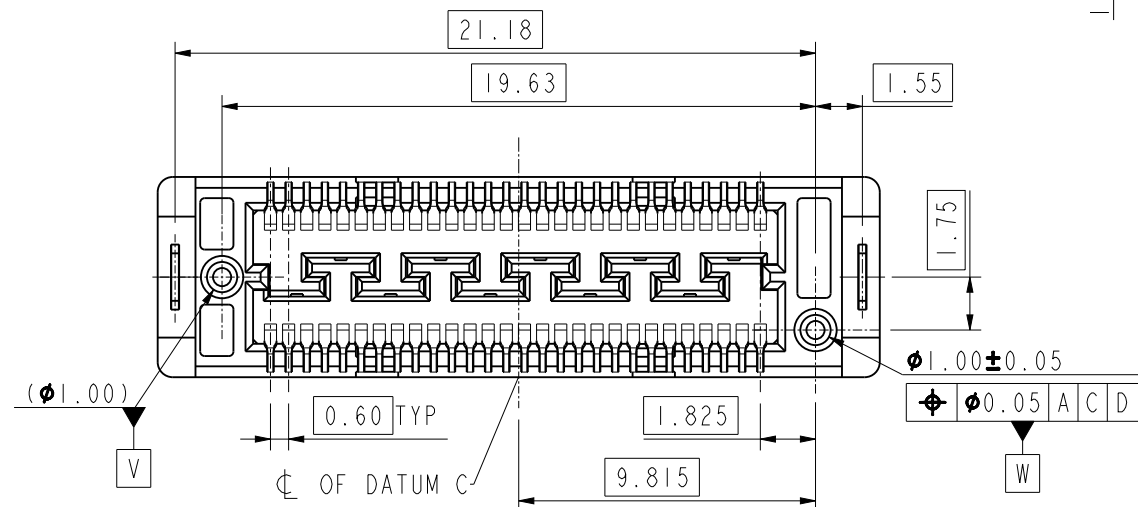


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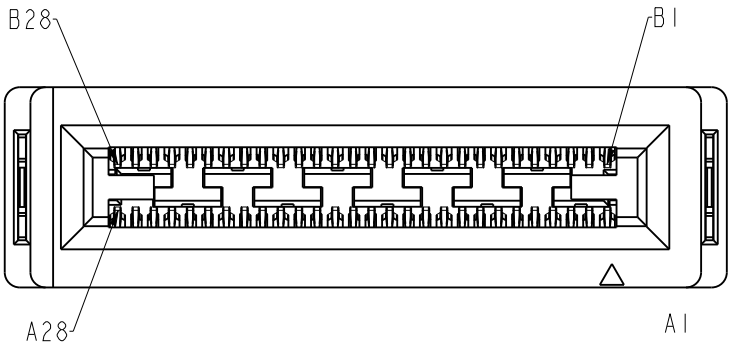
- NOTE:
1. MATERIAL:  
HOUSING: HIGH TEMPERATURE THERMOPLASTIC BLACK UL94-V0.  
CONTACT: COPPER ALLOY  
BOARD LOCK: COPPER ALLOY
  2. PLATING:  
CONTACT: MATING AREA: SEE PART NUMBER LIST TABLE.  
OVER 1.27um MIN NICKEL UNDERPLATED  
SOLDER AREA: 1.27um MIN MATT TIN OVER 1.27um MIN  
NICKEL UNDERPLATED  
BOARD LOCK: 1.27um MIN MATT TIN OVER 1.27um MIN NICKEL UNDERPLATED
  3. ELECTRICAL PERFORMANCE:  
RATED CURRENT: 1.1A/PIN UP TO 12PINS  
LLCR: DELTA 15mΩ MAX  
INSULATION RESISTANCE: 1000MΩ MIN.
  4. MECHANICAL PERFORMANCE  
MATING FORCE:30.8N MAX.  
UNMATING FORCE:2.8N MIN  
DURABILITY:200CYCLES
  5. CONNECTOR PIN ASSIGNMENT REFER TO PAGE 2
-  POSITIONS DESIGNATED AS "SIGNAL" ARE REQUIRED LOCATIONS FOR HIGH SPEED DIFFERENTIAL PAIR SIGNALING.POSITIONS DESIGNATED AS "GROUND" ARE REQUIRED WHEN SUPPORTING HIGH SPEED DIFFERENTIAL SIGNAL;POSITIONS DESIGNATED AS"OPTIONAL" ARE REQUIRED LOCATIONS FOR POWER OR SIDE BAND.
7. CONNECTOR IS ROHS COMPLIANT
  8. ORDERING PN SEE BELOW PART NUMBER LIST TABLE.

|                        |              |
|------------------------|--------------|
| MEI005610115015        | 0.38 GXT     |
| MEI005610115014        | 0.76 GXT     |
| MEI005610115013        | GOLD FLASH   |
| MEI005610115012        | 0.38um Au    |
| MEI005610115011        | 0.76um Au    |
| PART NUMBER            | PLATING SPEC |
| PART NUMBER LIST TABLE |              |

|               |  |                                       |        |        |                                     |            |             |             |                          |                     |  |  |              |                   |       |  |      |           |
|---------------|--|---------------------------------------|--------|--------|-------------------------------------|------------|-------------|-------------|--------------------------|---------------------|--|--|--------------|-------------------|-------|--|------|-----------|
| spec ref      |  | S-ME-004                              |        |        | dr                                  | Rocky      |             | Apr.08,2022 |                          | <div>Amphenol</div> |  |  |              | <div>mm</div>     | scale |  | size |           |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |        |        | eng                                 |            |             |             |                          |                     |  |  |              | ecn no            |       |  |      |           |
|               |  |                                       |        |        | rvwr                                |            |             |             |                          |                     |  |  |              |                   |       |  |      |           |
|               |  |                                       |        |        | appr                                |            |             |             |                          |                     |  |  |              | amphenol-icc.com  |       |  |      | rel level |
| surface       |  | <div>✓</div>                          | linear | 0.X    | ± 0.25                              | projection | <div></div> | title       | MINI COOL EDGE CONNECTOR |                     |  |  | dwg no       | C ME100561011501X |       |  |      | rev       |
|               |  |                                       | 0.XX   | ± 0.20 | V/T, 56PIN, 0.6mm PITCH, AIC 2.36mm | cat. no.   |             |             |                          |                     |  |  |              |                   |       |  |      |           |
|               |  |                                       | 0.XXX  | ± 0.15 | product family                      |            |             |             |                          |                     |  |  | sheet 1 of 4 |                   |       |  |      |           |
|               |  | angular                               | 0°     | ± 5°   |                                     |            |             |             |                          |                     |  |  |              |                   |       |  |      |           |

CONNECTOR PIN ASSIGNMENT

| SIDE A |        | SIDE B |     |
|--------|--------|--------|-----|
| A1     | GROUND | GROUND | B1  |
| A2     | SIGNAL | SIGNAL | B2  |
| A3     | SIGNAL | SIGNAL | B3  |
| A4     | GROUND | GROUND | B4  |
| A5     | SIGNAL | SIGNAL | B5  |
| A6     | SIGNAL | SIGNAL | B6  |
| A7     | GROUND | GROUND | B7  |
| A8     | SIGNAL | SIGNAL | B8  |
| A9     | SIGNAL | SIGNAL | B9  |
| A10    | GROUND | GROUND | B10 |
| A11    | SIGNAL | SIGNAL | B11 |
| A12    | SIGNAL | SIGNAL | B12 |
| A13    | GROUND | GROUND | B13 |
| A14    | SIGNAL | SIGNAL | B14 |
| A15    | SIGNAL | SIGNAL | B15 |
| A16    | GROUND | GROUND | B16 |
| A17    | SIGNAL | SIGNAL | B17 |
| A18    | SIGNAL | SIGNAL | B18 |
| A19    | GROUND | GROUND | B19 |
| A20    | SIGNAL | SIGNAL | B20 |
| A21    | SIGNAL | SIGNAL | B21 |
| A22    | GROUND | GROUND | B22 |
| A23    | SIGNAL | SIGNAL | B23 |
| A24    | SIGNAL | SIGNAL | B24 |
| A25    | GROUND | GROUND | B25 |
| A26    | SIGNAL | SIGNAL | B26 |
| A27    | SIGNAL | SIGNAL | B27 |
| A28    | GROUND | GROUND | B28 |



|               |                                       |          |        |            |       |                |                          |  |                                     |                   |       |          |
|---------------|---------------------------------------|----------|--------|------------|-------|----------------|--------------------------|--|-------------------------------------|-------------------|-------|----------|
| spec ref      |                                       | S-ME-004 |        | dr         | Rocky | Apr.08,2022    | Amphenol                 |  | <div>mm</div>                       |                   | scale | size     |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |          |        | eng        |       |                |                          |  | 4:1                                 | A3                |       |          |
|               |                                       |          |        | rvwr       |       |                |                          |  | ecn no                              |                   |       |          |
|               |                                       |          |        | appr       |       |                |                          |  | rel level                           |                   |       |          |
|               |                                       |          |        |            |       |                | amphenol-icc.com         |  |                                     |                   |       |          |
| surface       | linear                                | 0.X      | ± 0.25 | projection |       | title          | MINI COOL EDGE CONNECTOR |  | drg no                              | C ME100561011501X |       | rev      |
|               |                                       | 0.XX     | ± 0.20 |            |       |                |                          |  |                                     |                   |       |          |
|               |                                       | 0.XXX    | ± 0.15 |            |       |                |                          |  | V/T, 56PIN, 0.6mm PITCH, AIC 2.36mm |                   |       |          |
|               |                                       | angular  | 0°     |            |       |                |                          |  |                                     |                   | ± 5°  | cat. no. |
|               |                                       |          |        |            |       | product family |                          |  | sheet 2 of 4                        |                   |       |          |

A

C

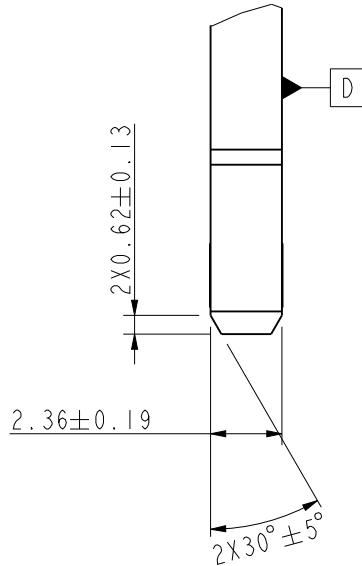
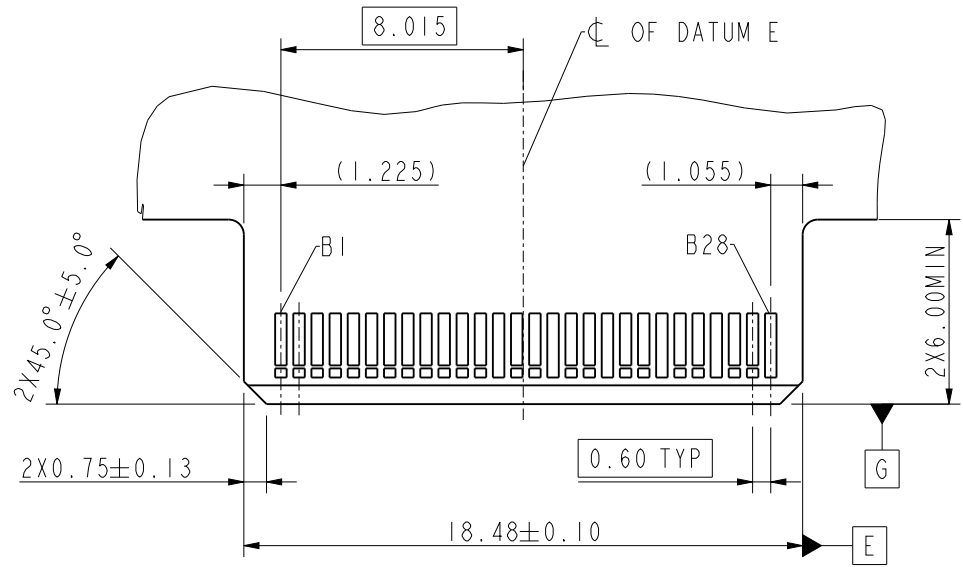
D

A

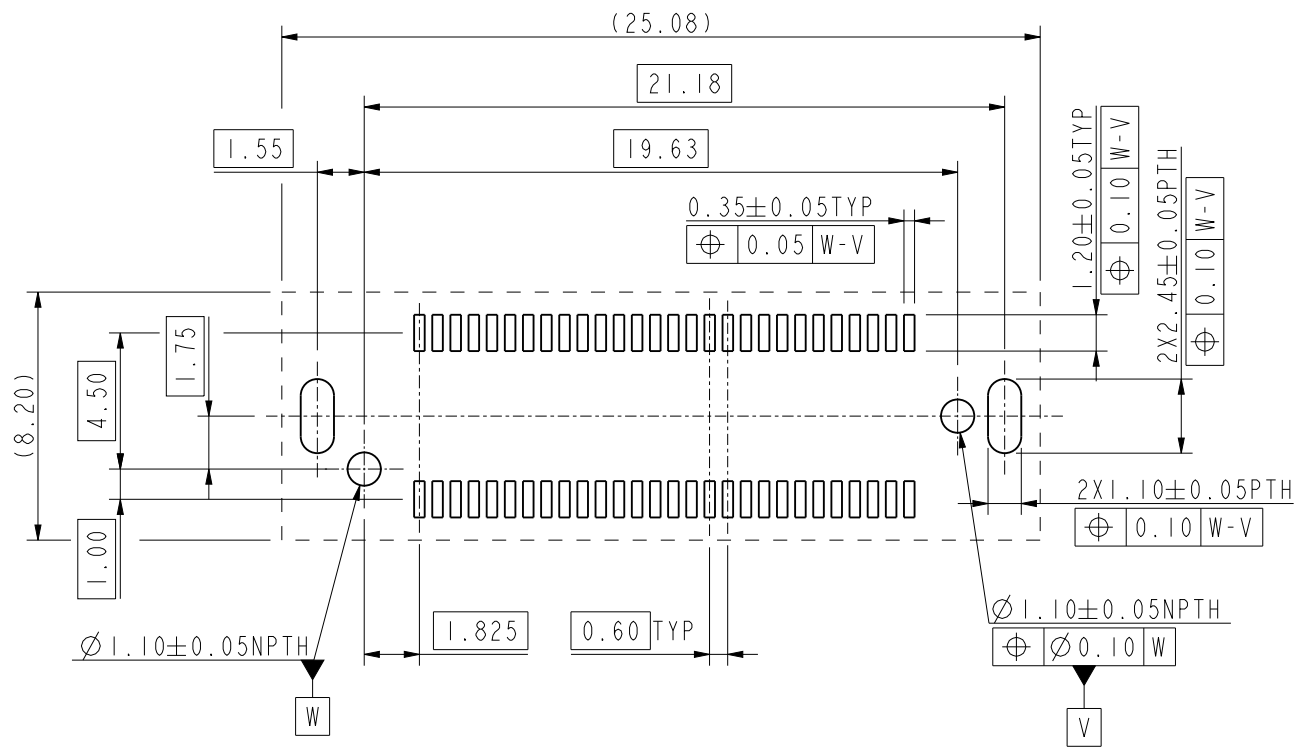
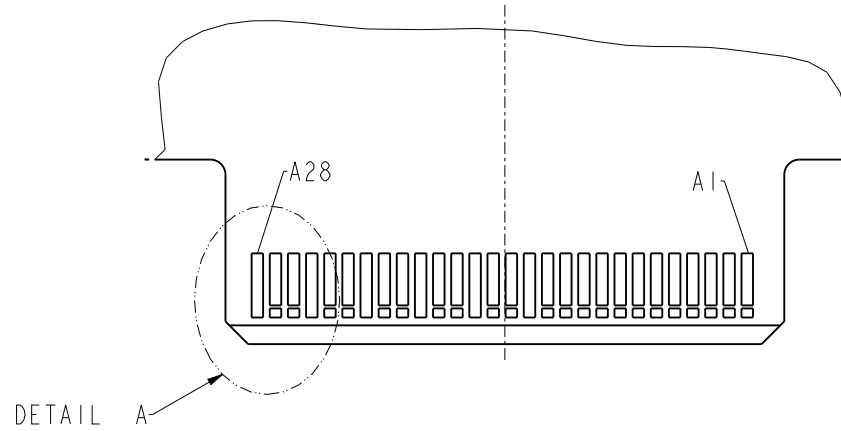
B

C

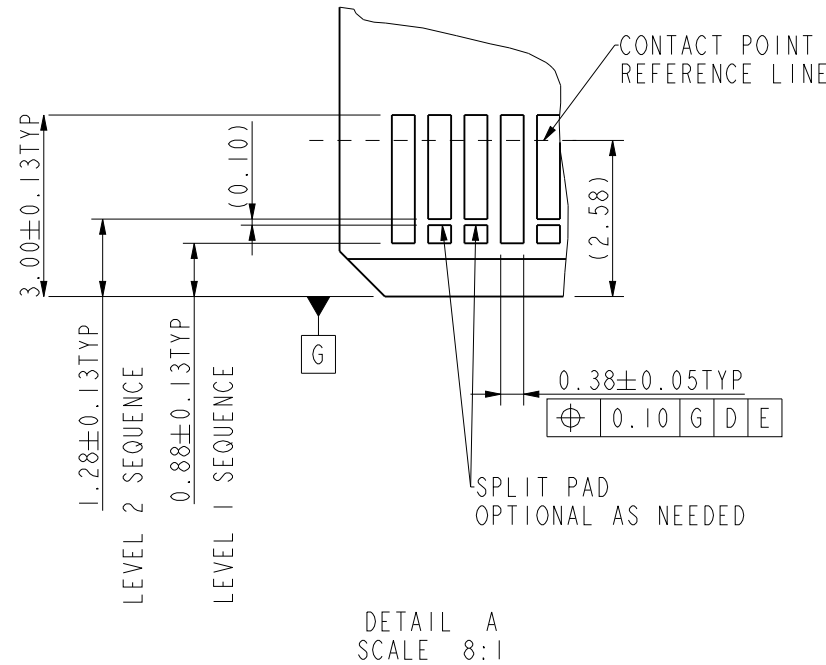
D



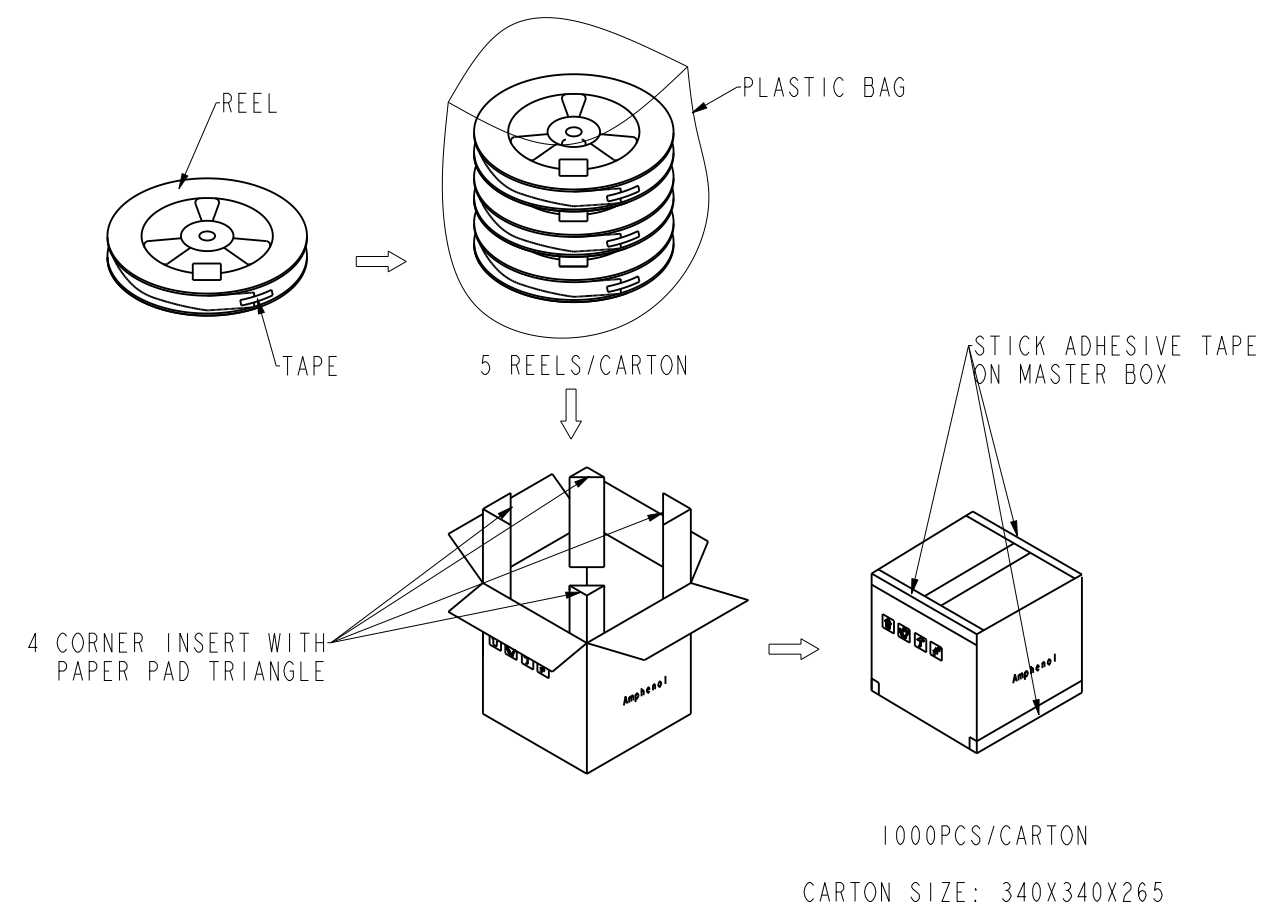
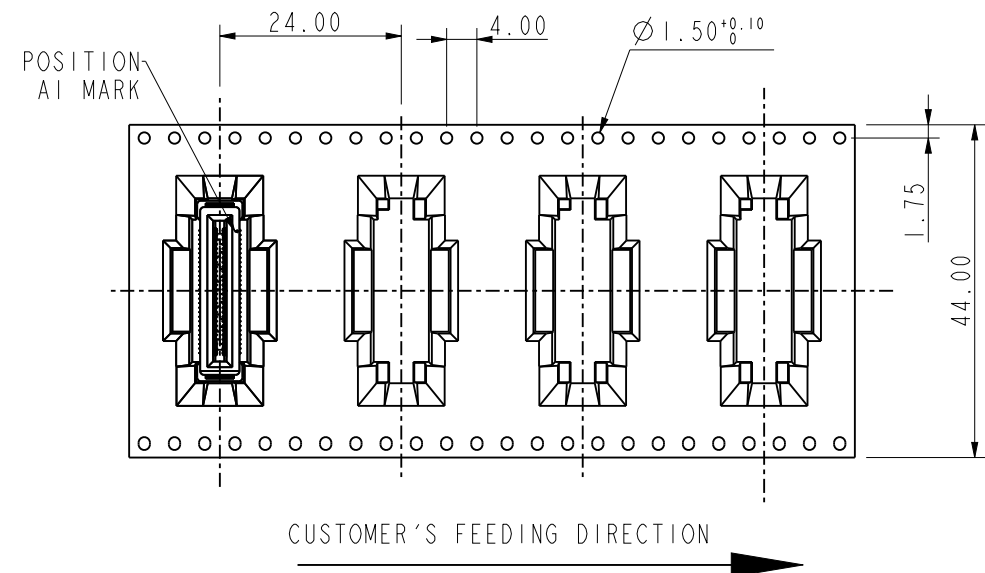
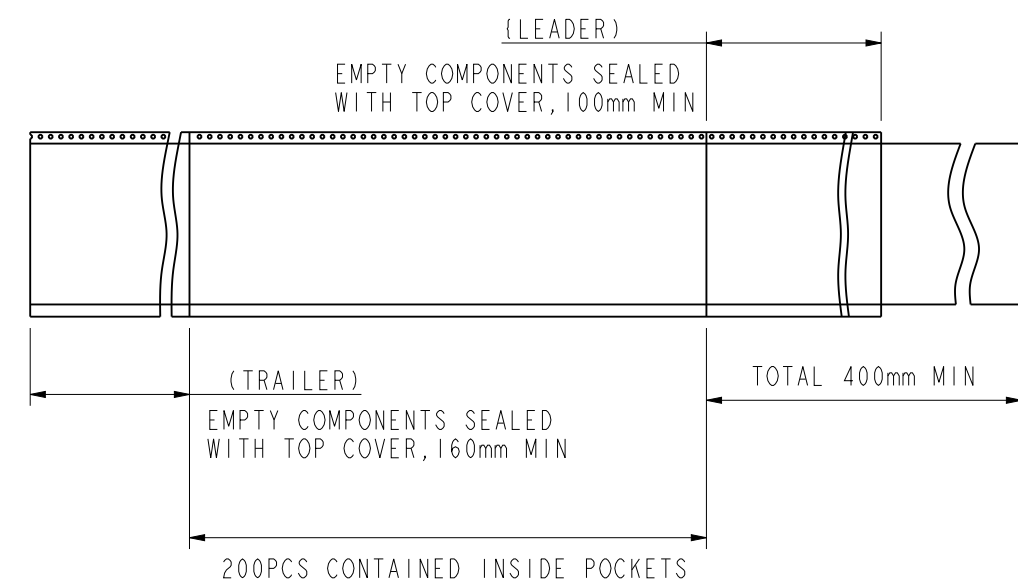
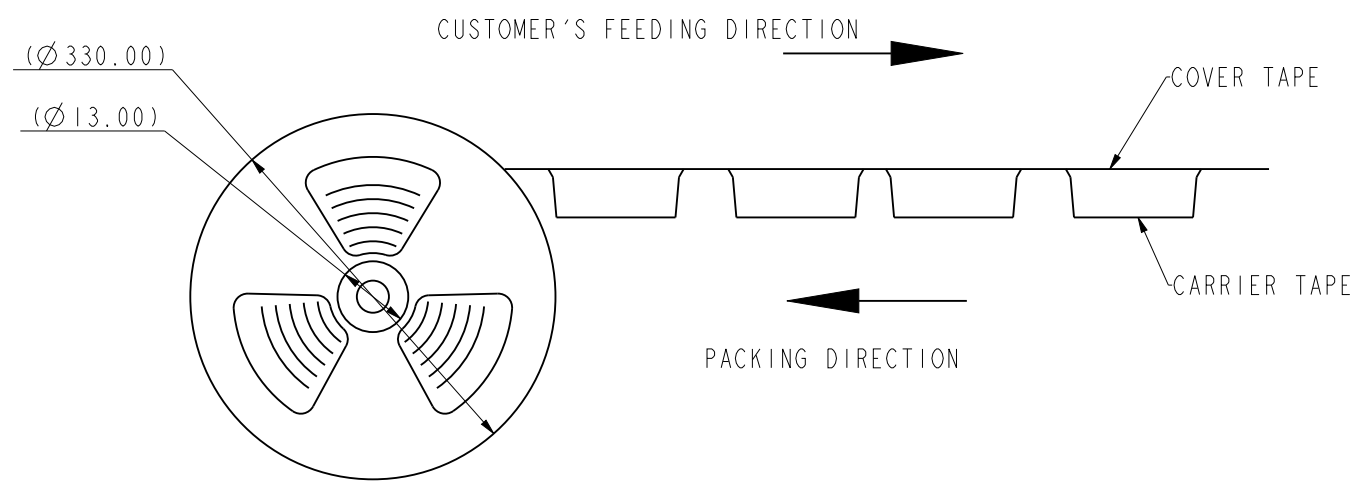
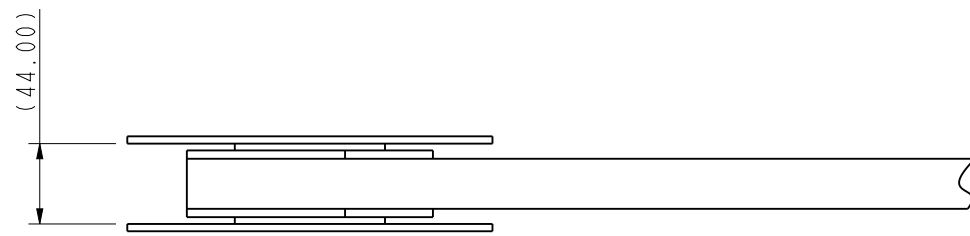
RECOMMENDED AIC CARD



RECOMMENDED FOOTPRINT



|               |  |                                       |       |       |                |       |                          |                  |  |                                     |                   |       |      |     |
|---------------|--|---------------------------------------|-------|-------|----------------|-------|--------------------------|------------------|--|-------------------------------------|-------------------|-------|------|-----|
| spec ref      |  | S-ME-004                              |       |       | dr             | Rocky | Apr.08,2022              | Amphenol         |  |                                     | <div>mm</div>     | scale | size |     |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |       | eng            |       |                          |                  |  |                                     |                   | 4:1   | A3   |     |
|               |  |                                       |       |       | rvwr           |       |                          |                  |  |                                     | ecn no            |       |      |     |
|               |  |                                       |       |       | appr           |       |                          | amphenol-icc.com |  |                                     | rel level         |       |      |     |
| surface       |  | linear                                | 0.X   | ±0.25 | projection     | title | MINI COOL EDGE CONNECTOR |                  |  | drg no                              | C ME100561011501X |       |      | rev |
|               |  |                                       | 0.XX  | ±0.20 |                |       |                          |                  |  |                                     |                   |       |      |     |
|               |  |                                       | 0.XXX | ±0.15 |                |       |                          |                  |  | V/T, 56PIN, 0.6mm PITCH, AIC 2.36mm | cat. no.          | A     |      |     |
|               |  | angular                               | 0°    | ±5°   | product family |       |                          | sheet 3 of 4     |  |                                     |                   |       |      |     |



|               |        |                                       |       |                |       |                          |          |  |                  |                   |              |           |
|---------------|--------|---------------------------------------|-------|----------------|-------|--------------------------|----------|--|------------------|-------------------|--------------|-----------|
| spec ref      |        | S-ME-004                              |       | dr             | Rocky | Apr.08,2022              | Amphenol |  | mm               | scale             | size         |           |
| tolerance std |        | TOLERANCES UNLESS OTHERWISE SPECIFIED |       | eng            |       |                          |          |  | ecn no           | 4:1               | A3           |           |
|               |        |                                       |       | rvwr           |       |                          |          |  |                  |                   |              |           |
|               |        |                                       |       | appr           |       |                          |          |  | amphenol-icc.com |                   |              | rel level |
| surface       | linear | 0.X                                   | ±0.30 | projection     | title | MINI COOL EDGE CONNECTOR |          |  | dwg no           | C ME100561011501X |              | rev       |
|               |        | 0.XX                                  | ±0.20 |                |       |                          |          |  |                  |                   |              |           |
|               |        | 0.XXX                                 | ±0.10 |                |       |                          |          |  |                  |                   |              |           |
|               |        | angular                               | 0°    |                |       |                          |          |  |                  |                   |              |           |
|               |        |                                       |       |                |       |                          |          |  |                  |                   |              |           |
|               |        |                                       |       |                |       |                          |          |  |                  |                   |              |           |
|               |        |                                       |       |                |       |                          |          |  |                  |                   |              |           |
|               |        |                                       |       | product family |       |                          |          |  |                  |                   | sheet 4 of 4 |           |