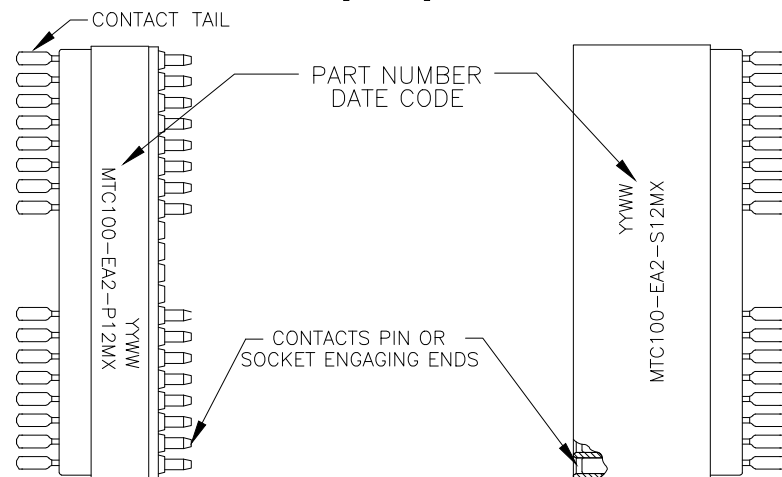
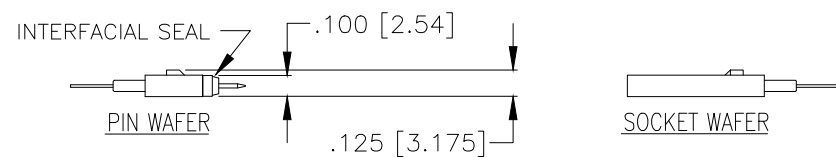
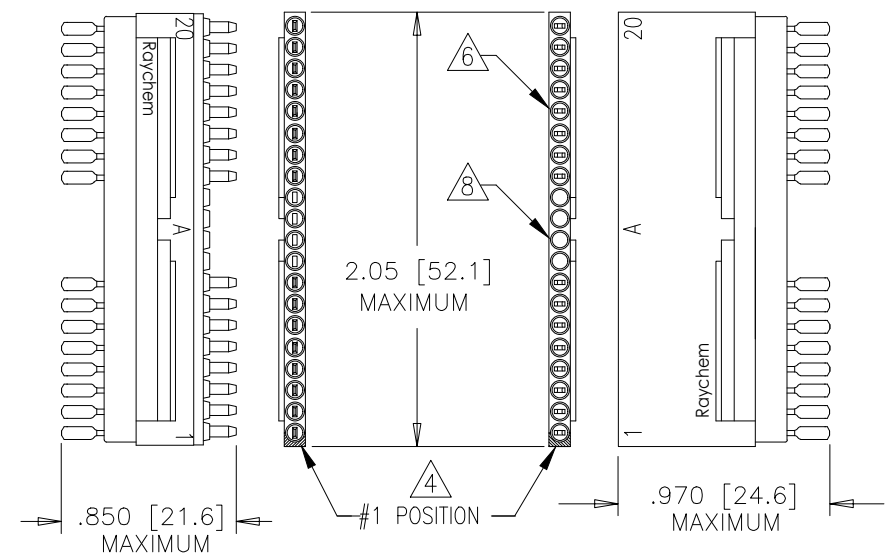


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| REVISIONS |                           |              |          |
|-----------|---------------------------|--------------|----------|
| LTR       | DESCRIPTION               | DATE         | APPROVED |
| A         | PER ECO-10-015431         | JULY/27/2010 | M. HIGGY |
| B         | PER ECO-11-004127         | Feb/24/2011  | M. HIGGY |
| C         | REVISED PER ECO-19-014113 | Sep/12/2019  | A.SOLIS  |

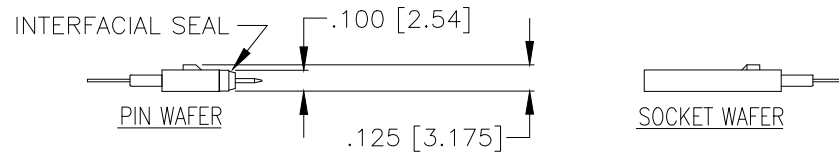
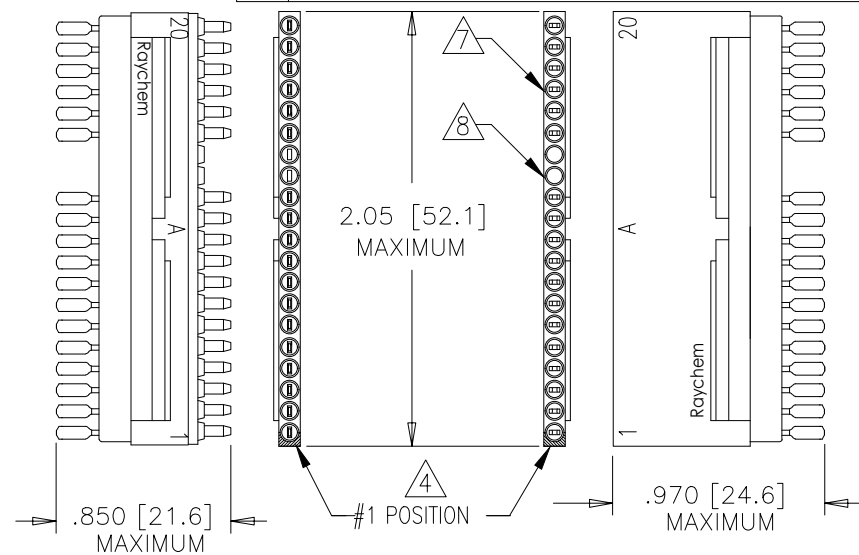


THIS MODEL HAS 16 ACTIVE CONNECTIONS. LINE 9, 10, 11 AND 12 CONNECTIONS DO NOT EXIST.

FIGURE I

| FIGURE | TABLE I          |                              |                   |
|--------|------------------|------------------------------|-------------------|
|        | PART#            | DESCRIPTION                  | WEIGHT MAX. GRAMS |
| I      | MTC100-EA2-P12M1 | A WAFER, PIN <sup>6</sup>    | T.D.              |
|        | MTC100-EA2-S12M1 | A WAFER, SOCKET <sup>6</sup> | T.D.              |
| II     | MTC100-EA2-P12M2 | A WAFER, PIN <sup>7</sup>    | T.D.              |
|        | MTC100-EA2-S12M2 | A WAFER, SOCKET <sup>7</sup> | T.D.              |
| III    | MTC100-EA2-P12M3 | A WAFER, PIN <sup>9</sup>    | T.D.              |
|        | MTC100-EA2-S12M3 | A WAFER, SOCKET <sup>9</sup> | T.D.              |

IF THIS DOCUMENT IS PRINTED IT BECOMES UNCONTROLLED CHECK FOR THE LATEST REVISION



THIS MODEL HAS 18 ACTIVE CONNECTIONS. LINE 13 AND 14 CONNECTIONS DO NOT EXIST.

FIGURE II

NOTES:

- PART NUMBER VARIABLE: SEE TABLE I.
- MATERIAL:**
  - A) PIN/SOCKET WAFER HIGH GRADE POLYARYLENE THERMOPLASTIC.
  - B) PIN CONTACT COPPER ALLOY PER ASTM B36, ASTM B36M
  - C) SOCKET CONTACT COPPER ALLOY PER ASTM B103, ASTM B103M (A).
  - D) INTERFACIAL SEAL FLUOROSILICONE PER MIL-R-25988.
- FINISH:**
  - A) PIN/SOCKET WAFER AS MOLDED.
  - B) PIN/SOCKET CONTACT ENGAGING END GOLD PLATE PER ASTM B488, CLASS 1, TYPE 2, GRADE C.
  - C) CONTACT TAIL SOLDER COATED PER IPC J-STD 006 (Sn63), FLUX COATED PER IPC J-STD 006, TYPE RMA.

- <sup>4</sup> NUMBER ONE POSITION IS MARKED AS SHOWN IN CONTRASTING COLOR ON INTERFACE.
- 5. THIS PRODUCT IS QUALIFIED TO SPACE SYSTEM LORAL'S SPECIFICATION 010554 Rev. 21, (PER MIL-DTL-83513 AND TYCO ELECTRONICS SPECIFICATION C-6111 AS APPLICABLE). SEE ISTR-1105 FOR MORE INFORMATION.
- <sup>6</sup> SEE FIGURE I
- <sup>7</sup> SEE FIGURE II
- <sup>8</sup> ALL UNUSED CAVITIES ON SOCKET WAFERS ARE FOR VENTING (OPEN).
- <sup>9</sup> SEE FIGURE III

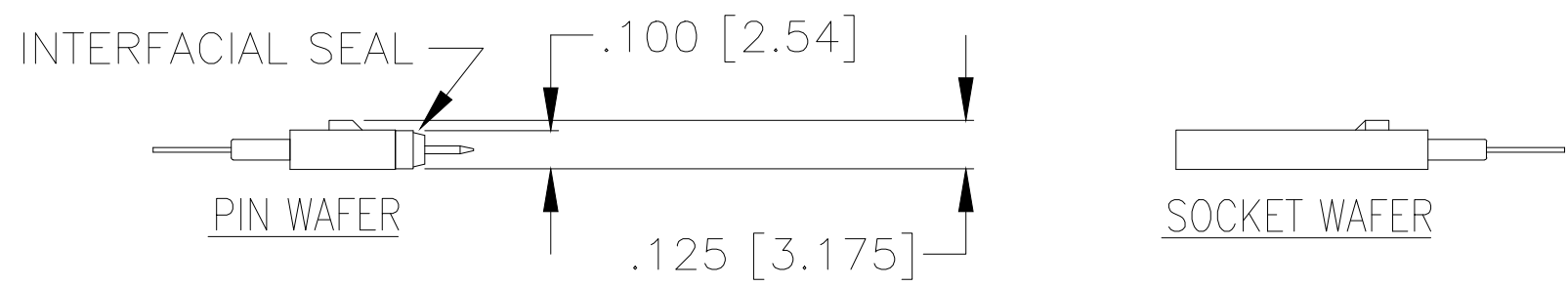
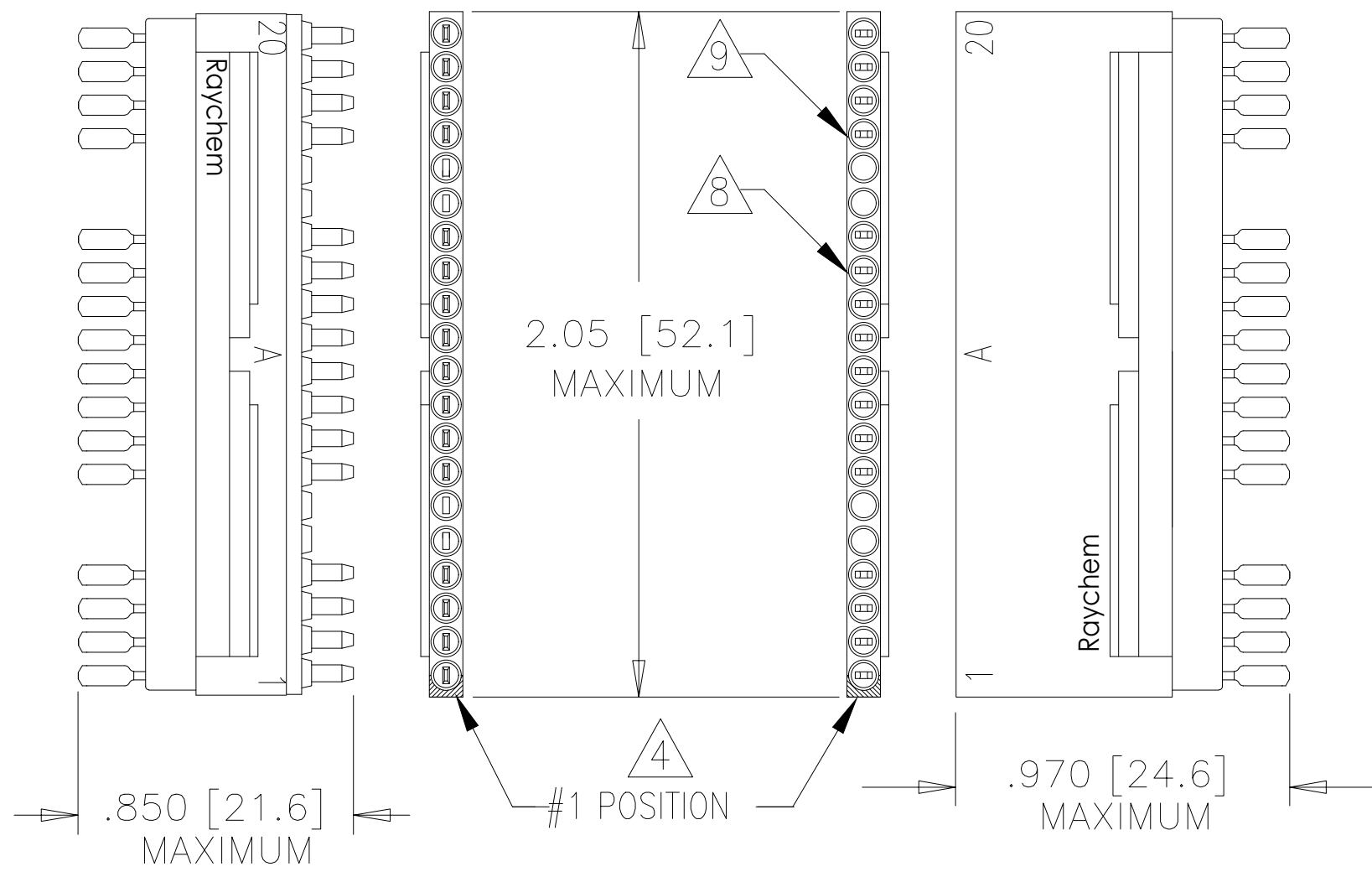
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CUSTOMER DRAWING

|   |             |                  |                  |  |  |
|---|-------------|------------------|------------------|--|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. METRIC DIMENSIONS ARE IN BRACKETS. | DRAWN       | Zsofia O.        | July/16/2010     |  | <b>Raychem Interconnect</b><br>300 Constitution Drive<br>Menlo Park, CA 94025 U.S.A. |
|   | CHECKED     |                  |                  |  |  |
| DECIMALS<br>.XXX ± .005     { .13mm }<br>.XX ±<br>ANGLES<br>.X ±                        | APPROVED    |                  |                  | TITLE  |  |
|   | APPROVED    | M.HIGGY.         | July/16/2010     | A WAFER 2 INCH, PIN AND SOCKET<br>FLAT CABLE TERMINATION Sn63<br>TEMPERATURE RATING 125 CELSIUS DEGREE |  |
| WEIGHT: MAXIMUM<br>SEE TABLE I  | CAD NAME    | MTC100-EA2-X12MX |                  | MTC100 SERIES-MODIFIED 16 AND 18 CONTACTS MODELS   |  |
| THIRD ANGLE PROJECTION  | SIZE        | CAGE CODE:       | DWG. NO.         | REV.   |  |
|   | A           | 06090            | MTC100-EA2-X12MX | C  |  |
|   | SCALE: NONE |                  | SHEET 1 OF 1     |  |  |

DWG NO. MTC100-EA2-X12MX SHEET 1

8 7 6 5 4 3 2 1



9 THIS MODEL HAS 16 ACTIVE CONNECTIONS.  
 LINE 5, 6, 15 AND 16 CONNECTIONS DO NOT EXIST.

FIGURE III

D

C

B

A

8 7 6 5 4 3 2 1

|                              |  |                        |             |                  |                           |        |
|------------------------------|--|------------------------|-------------|------------------|---------------------------|--------|
| DRAWN Zsofia O. JULY/16/2010 |  | THIRD ANGLE PROJECTION | SIZE A      | CAGE CODE: 06090 | DWG. NO. MTC100-EA2-X12MX | REV. C |
| CAD NAME MTC100-EA2-X12MX    |  |                        | SCALE: NONE | SHEET 2 OF 2     |                           |        |

CUSTOMER DRAWING

MTC100-EA2-X12MX SHEET 2

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