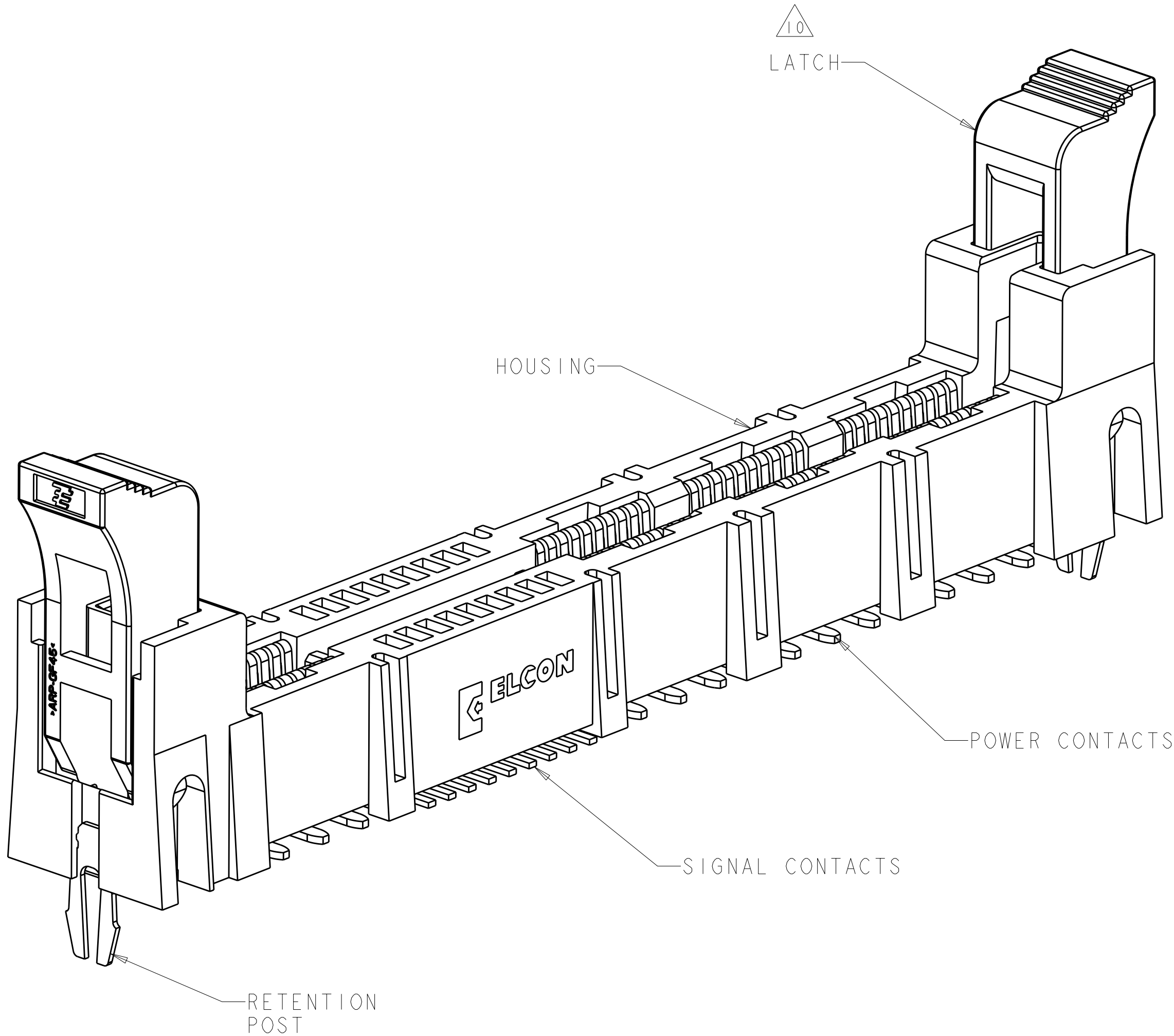


| LOC |  | DIST |  | REVISIONS |     |                       |            |     |      |  |
|-----|--|------|--|-----------|-----|-----------------------|------------|-----|------|--|
| GP  |  | 00   |  | REV       | LYR | DESCRIPTION           | DATE       | DWN | APVD |  |
|     |  |      |  | A         |     | RELEASED              | 11 JAN2010 | RG  | MS   |  |
|     |  |      |  | B         |     | REV PER ECO-10-000671 | 12 JAN2010 | RG  | MS   |  |
|     |  |      |  |           |     |                       |            |     |      |  |
|     |  |      |  |           |     |                       |            |     |      |  |



ISOMETRIC VIEW  
OF  
2085068-1

1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR TYCO ELECTRONICS APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.

2. MATERIAL:  
HOUSING: GLASS FILLED POLYESTER, COLOR-BLACK  
UL94V-0 FLAMMABILITY RATED  
LATCHES: THERMOPLASTIC, GLASS REINFORCED  
COLOR: BLACK, UL94V-0 FLAMMABILITY RATED  
CONTACTS: COPPER ALLOY  
RETENTION POST: COPPER ALLOY

3. FINISH:  
SIGNAL CONTACTS:  
MATING AREA-0.76µm MIN GOLD OVER 3.81µm MIN NICKEL  
0.64µm MIN NICKEL PLATE OVER REMAINDER  
SMT TAILS-3.81µm MIN MATTE TIN OVER NICKEL PLATE  
POWER CONTACTS:  
1.27µm MIN NICKEL PLATE ALL OVER  
MATING AREA-0.76µm MIN GOLD OVER NICKEL PLATE  
SMT TAILS-3.05µm MIN TIN OVER NICKEL PLATE  
RETENTION POSTS:  
3.05µm MIN MATTE TIN OVER 0.63µm MIN NICKEL

4. ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED WITH PART NUMBER AND DATE CODE.

5. MAXIMUM BURR OF 0.013 ON CARD TAB AREA.

6. SET TRACE BACK FROM PC BOARD EDGE. NO SOLDERMASK ALLOWED BETWEEN PC BOARD EDGE AND TRACE.

7. CONNECTOR ACCEPTS 1.57±0.13 THICK PC BOARD.

8. KEEP OUT AREA FOR COMPONENTS ONLY.

9. FEATURE REQUIRED FOR USE WITH EJECTOR.

10. CAUTION:  
LATCHES ARE INTENDED FOR RETENTION OF PC BOARD TO CONNECTOR. DO NOT ATTEMPT TO FULLY EJECT PC BOARD FROM CONNECTOR WHILE DISENGAGING LATCHES, DAMAGE TO LATCHES AND OR CONNECTOR MAY OCCUR.

11. RECOMMENDED GOLD FINGER LENGTH FOR RELIABLE CONTACT.

12. DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

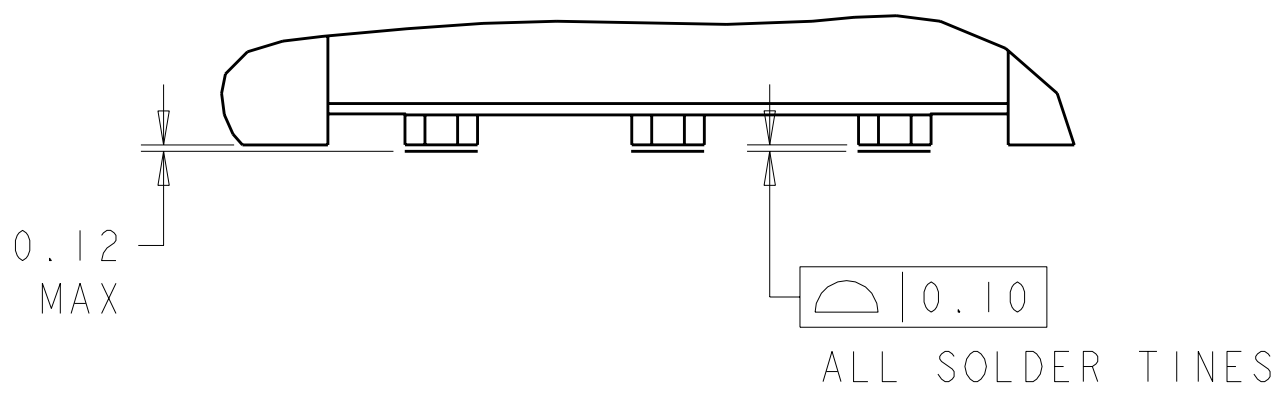
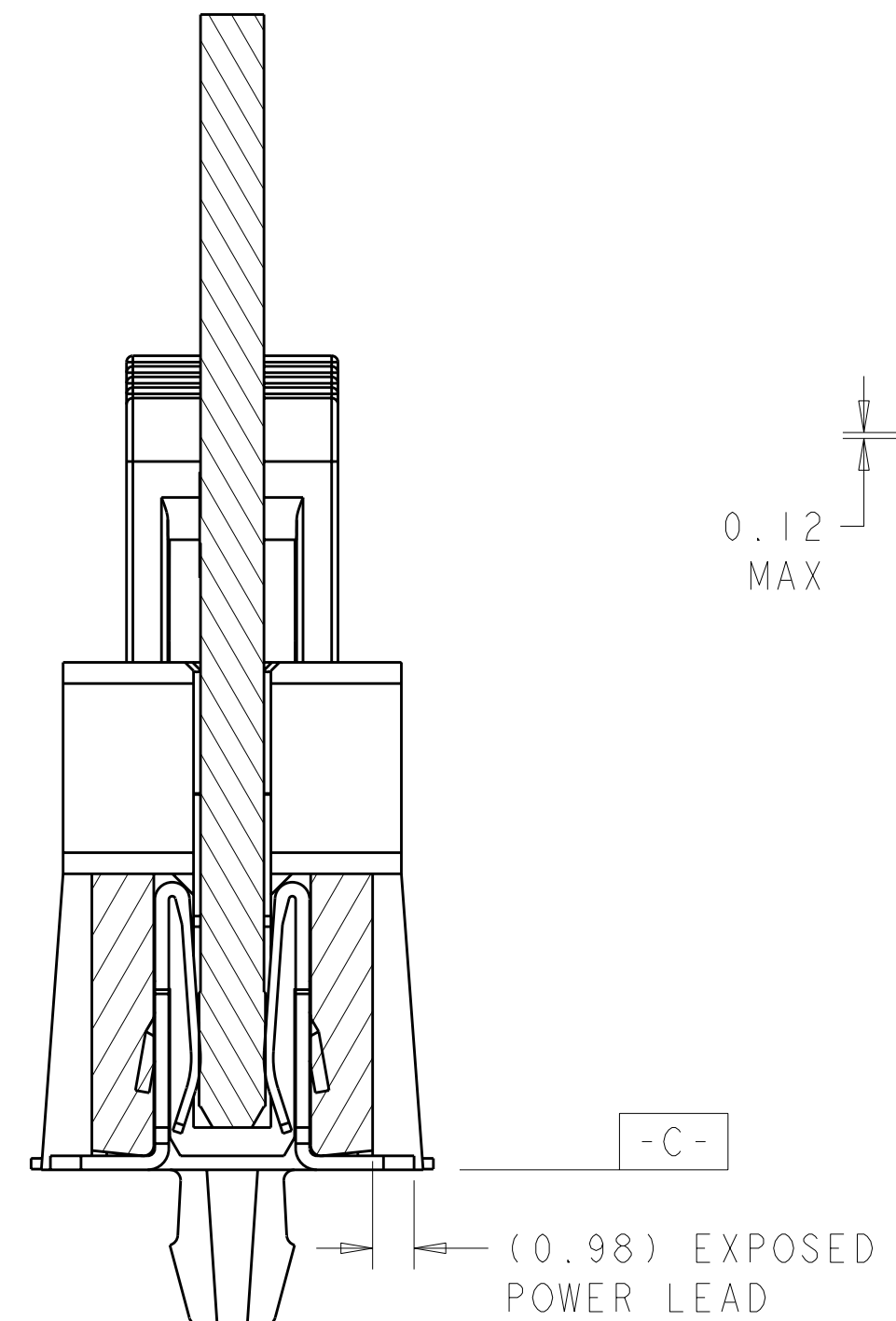
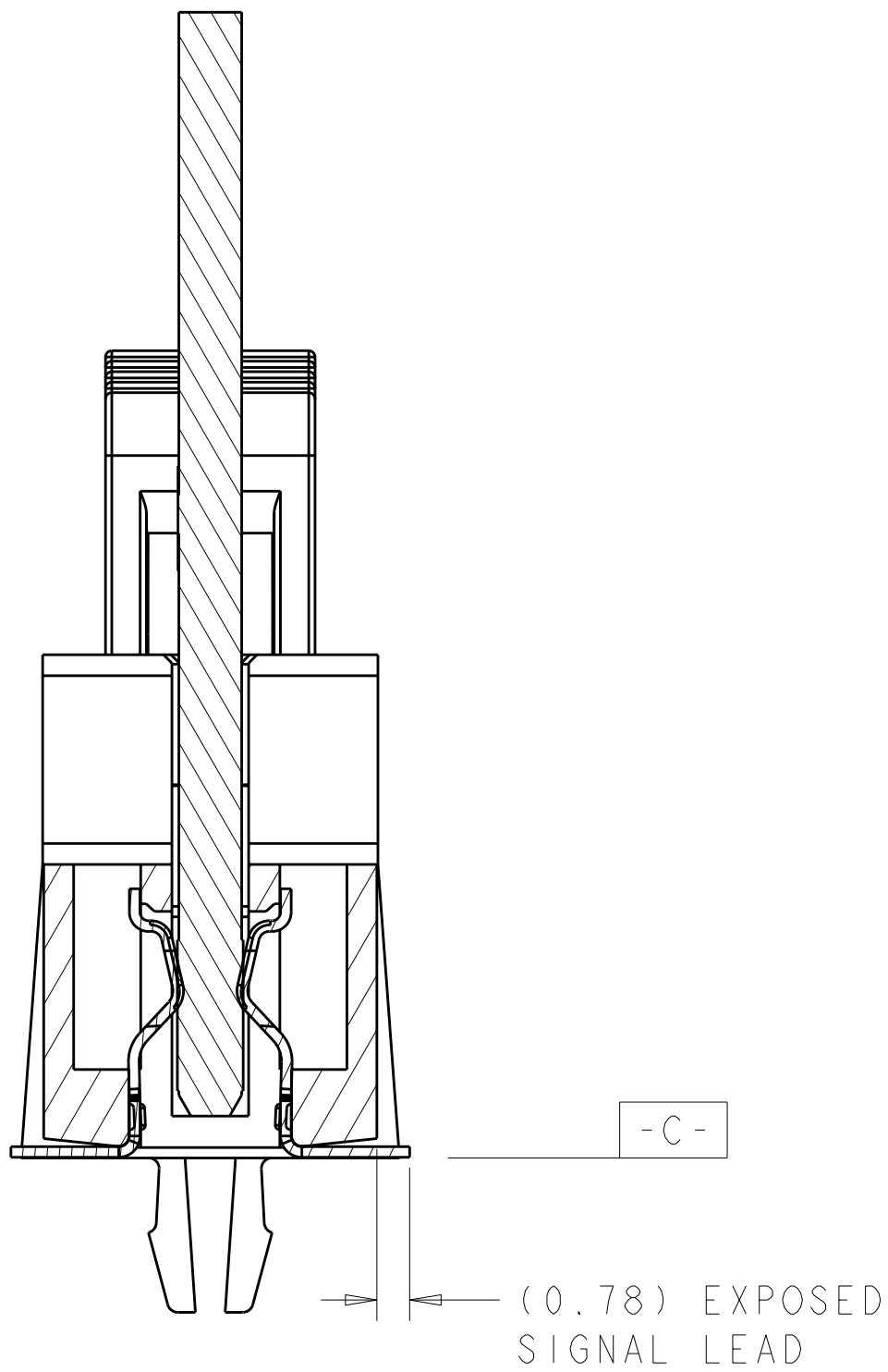
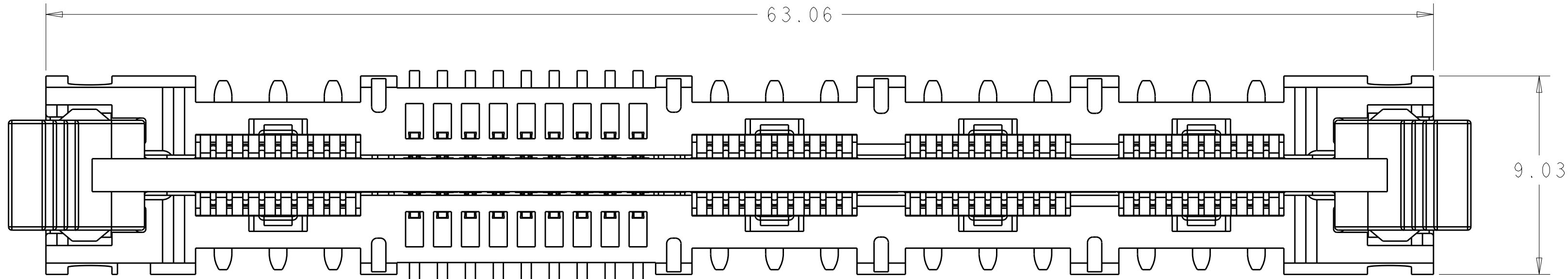
13. FOR DESIGN OBJECTIVES SEE 108-2301.

|            |                       |         |             |
|------------|-----------------------|---------|-------------|
| GF30       | 2.92-3.55             | 5.24    | 2085197-8   |
|            | 2.29-2.92             | 4.61    | 2085197-7   |
|            | 1.57-2.29             | 4.19    | 2085197-6   |
|            | ≤ 1.57                | 3.68    | 2085197-5   |
| GF45       | 2.92-3.55             | 5.24    | 2085197-4   |
|            | 2.29-2.92             | 4.61    | 2085197-3   |
|            | 1.57-2.29             | 4.19    | 2085197-2   |
|            | ≤ 1.57                | 3.68    | 2085197-1   |
| MATERIAL 2 | BOARD THICKNESS RANGE | DIM "A" | PART NUMBER |

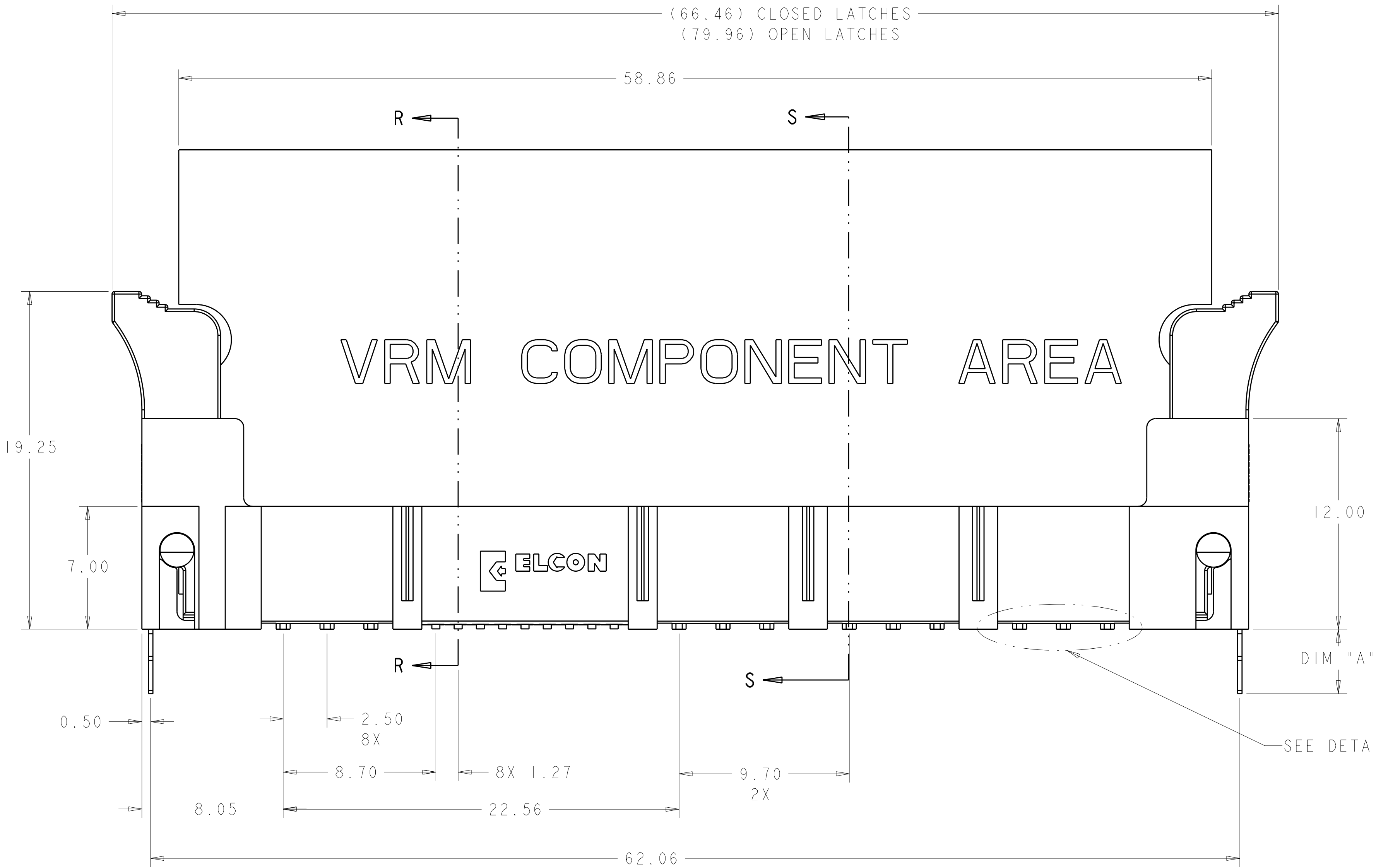
|                                                                                                                                                                                                                                                                                                                                                                                            |  |                                   |                                                                                                                   |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------|-------------------------------------------------------------------------------------------------------------------|--|--|
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| DIMENSIONS:<br>mm                                                                                                                                                                                                                                                                                                                                                                          |  | CHK<br>R. LONDON<br>20MAR2009     | NAME<br>M. PERCHERET<br>20MAR2009<br><br>SOCKET CONNECTOR ASSEMBLY W/ LATCH,<br>SMT, IP-18S-3P<br>MINI CROWN EDGE |  |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>9 PLC ±.5<br>1 PLC ±.5<br>2 PLC ±.25<br>3 PLC ±.25<br>4 PLC ±.25<br>ANGLES ±.2                                                                                                                                                                                                                                                                   |  | PRODUCT SPEC                      |                                                                                                                   |  |  |
| MATERIAL 2                                                                                                                                                                                                                                                                                                                                                                                 |  | APPLICATION SPEC                  |                                                                                                                   |  |  |
| FINISH 3                                                                                                                                                                                                                                                                                                                                                                                   |  | WEIGHT -                          |                                                                                                                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                            |  | CUSTOMER DRAWING                  |                                                                                                                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                            |  | SCALE 5:1 SHEET 1 OF 4 REV B      |                                                                                                                   |  |  |



| LOC |    | DIST |     | REVISONS    |      |     |      |
|-----|----|------|-----|-------------|------|-----|------|
| GP  | 00 | P    | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |    | -    | -   | SEE SHEET 1 | -    | -   | -    |
|     |    |      |     |             |      |     |      |
|     |    |      |     |             |      |     |      |
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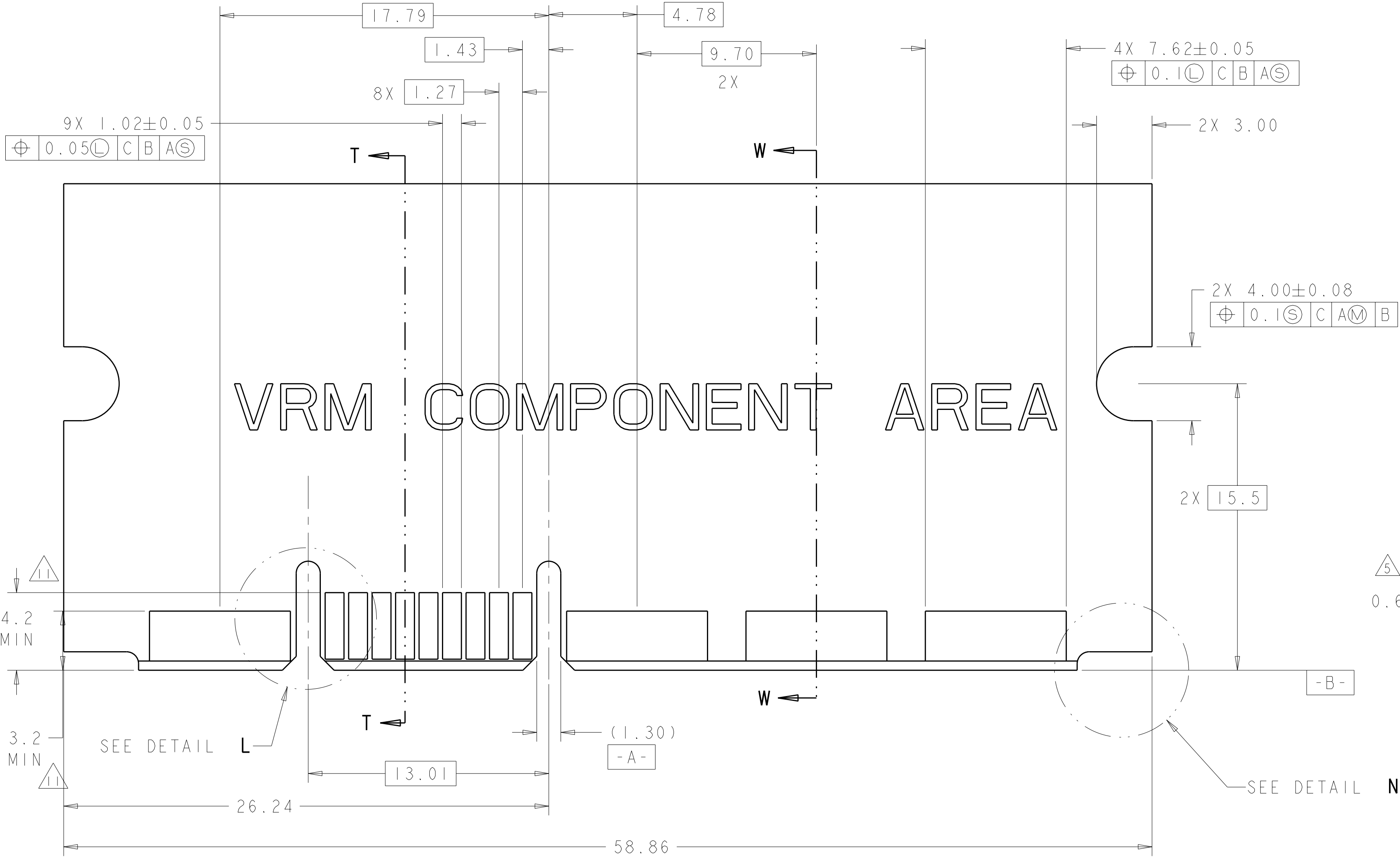
DETAIL Z  
SCALE 12:1



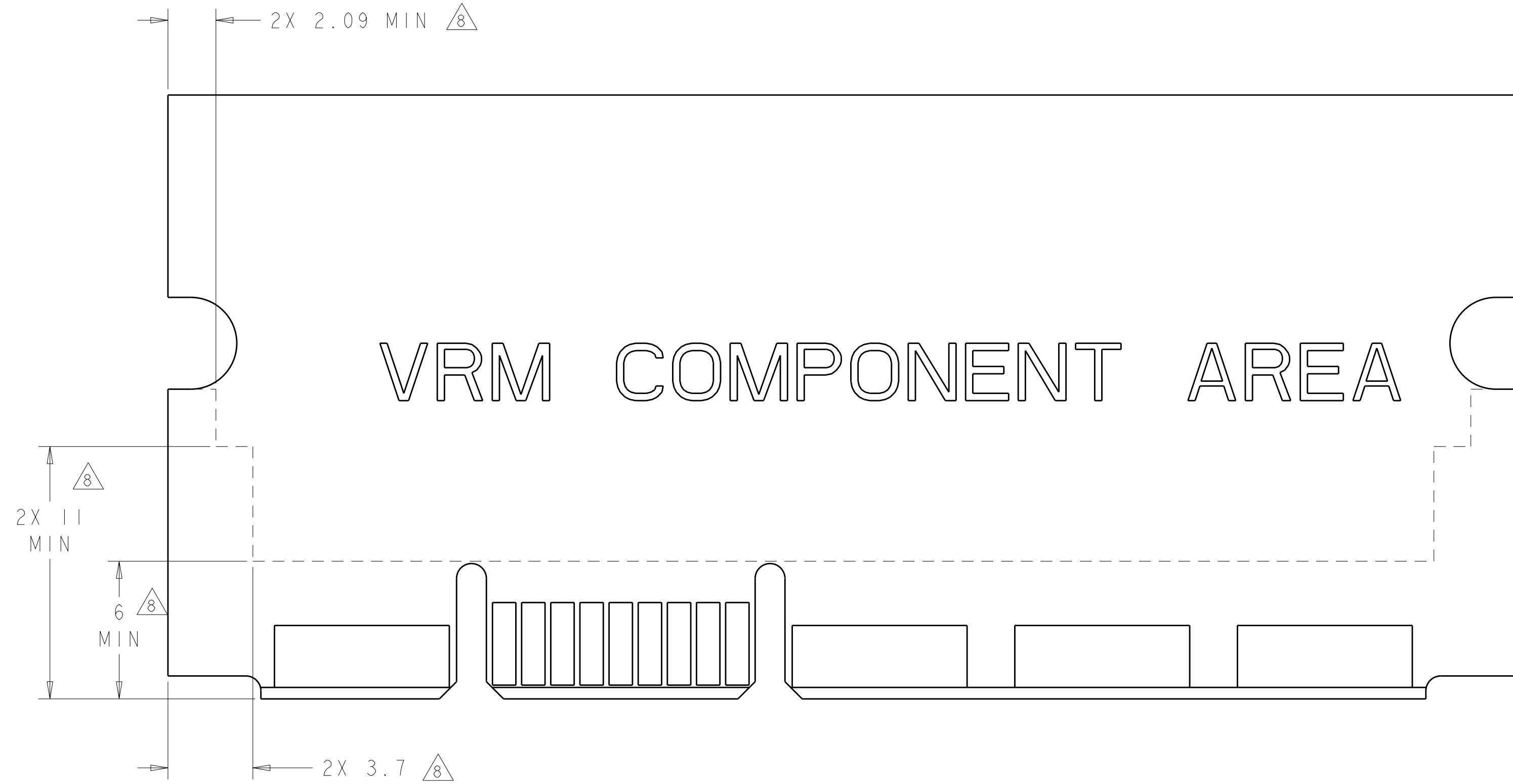
|                                                             |  |                                   |                                                                                  |  |
|-------------------------------------------------------------|--|-----------------------------------|----------------------------------------------------------------------------------|--|
| TYPICAL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE SPECIFIED |  | DWN<br>R. GRZYBOWSKI<br>20MAR2009 | Tyco Electronics<br>Harrisburg, PA 17105-3608                                    |  |
| DIMENSIONS:                                                 |  | CHK<br>R. LONDON<br>20MAR2009     | NAME<br>SOCKET CONNECTOR ASSEMBLY W/ LATCH,<br>SMT, 1P-18S-3P<br>MINI CROWN EDGE |  |
| mm                                                          |  | APVD<br>M. PERCHERET<br>20MAR2009 | SIZE<br>A100779                                                                  |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:                      |  | PRODUCT SPEC                      | CAGE CODE<br>C=2085197                                                           |  |
| 9 PLC ±.5                                                   |  | APPLICATION SPEC                  | RESTRICTED TO                                                                    |  |
| 1 PLC ±.5                                                   |  | WEIGHT                            | SCALE 5:1                                                                        |  |
| 3 PLC ±.25                                                  |  | CUSTOMER DRAWING                  | SHEET 2 OF 4                                                                     |  |
| 5 PLC ±.25                                                  |  |                                   | REV B                                                                            |  |
| 4 PLC ±.25                                                  |  |                                   |                                                                                  |  |
| ANGLES ±.2                                                  |  |                                   |                                                                                  |  |
| FINISH                                                      |  |                                   |                                                                                  |  |



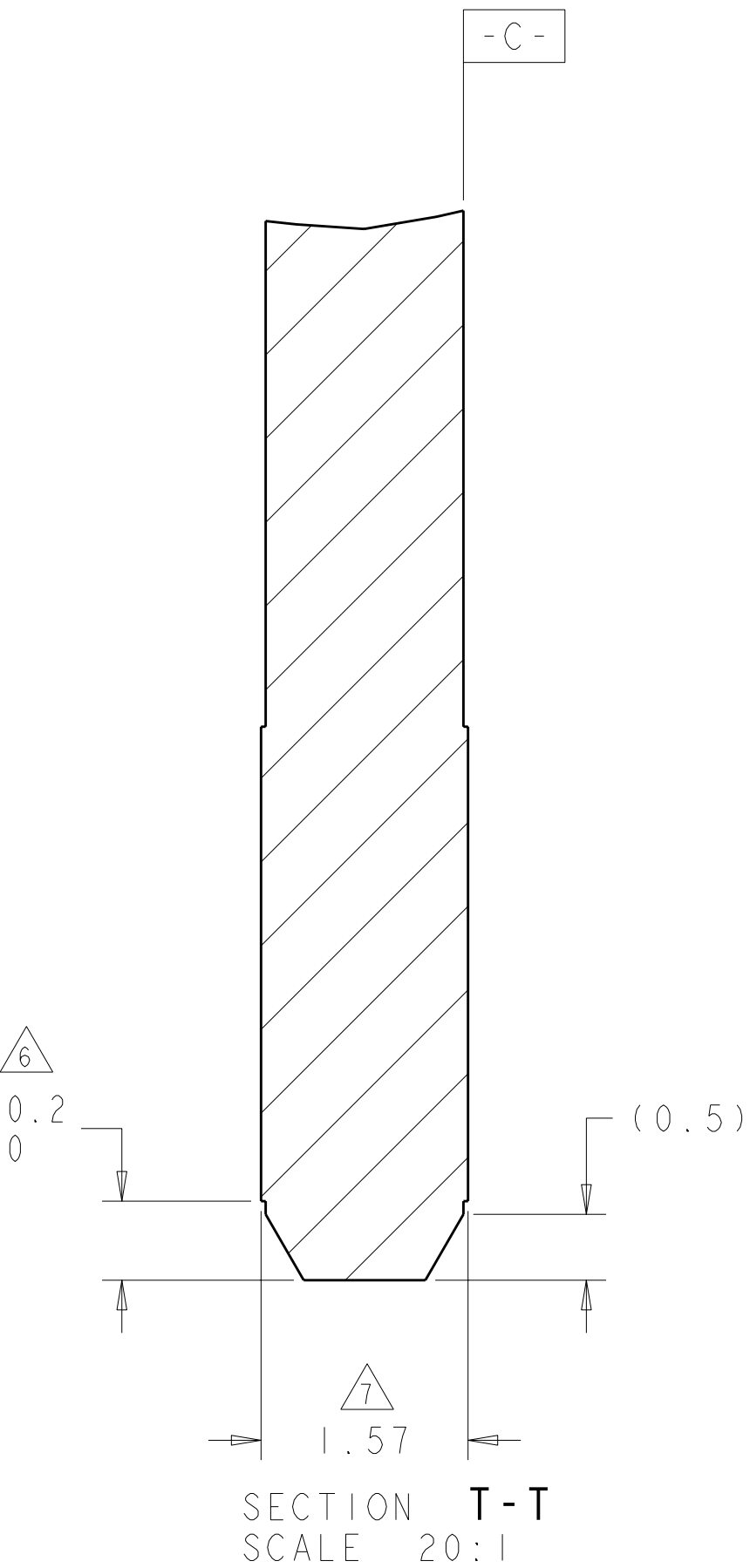
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| GP  | 00 | P    | LTR | DESCRIPTION |  |  | DATE | DWN | APVD |
|     |    |      | -   | SEE SHEET I |  |  | -    | -   | -    |
|     |    |      |     |             |  |  |      |     |      |
|     |    |      |     |             |  |  |      |     |      |
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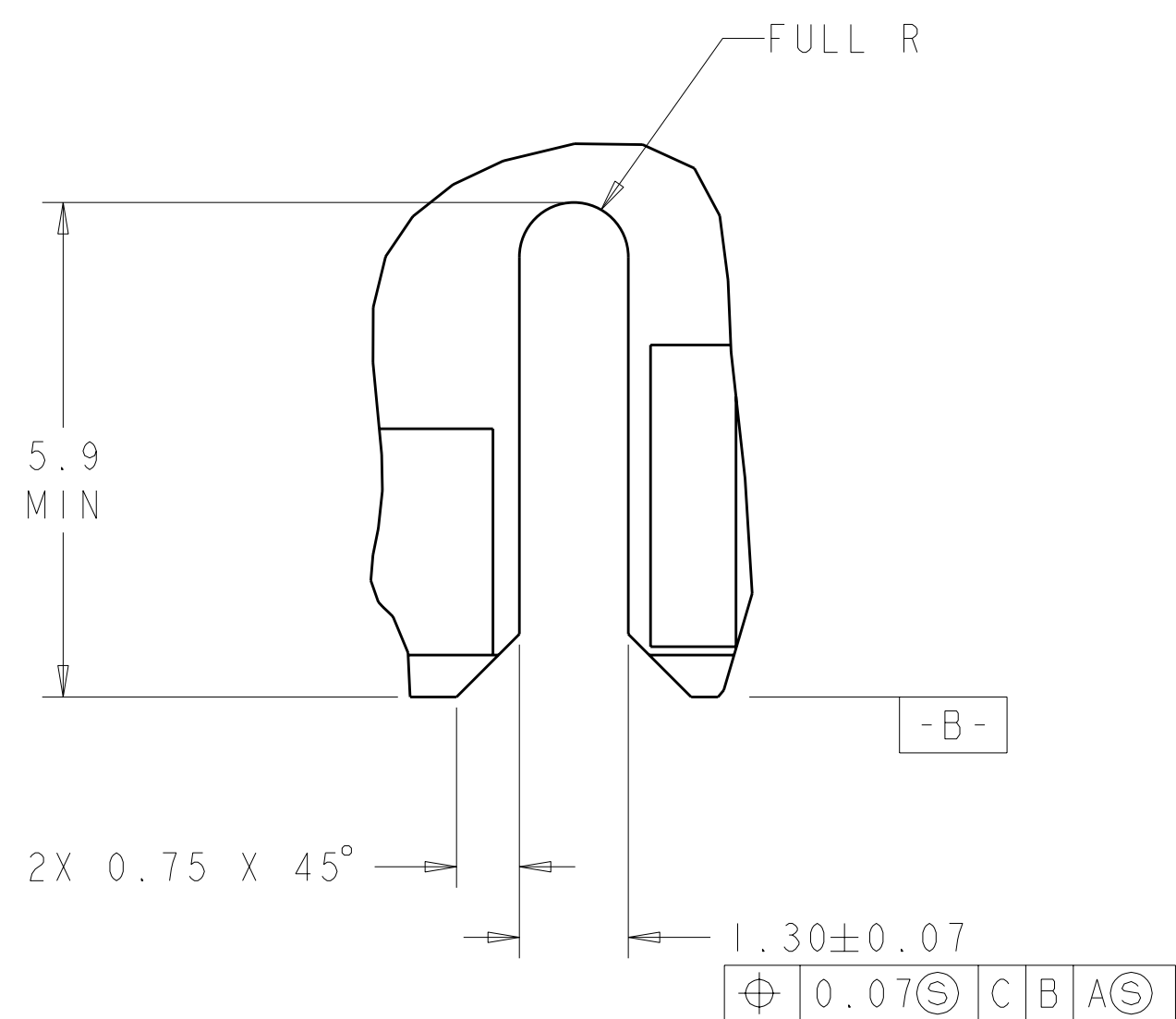
RECOMMENDED MATING BOARD  
SCALE 4:1



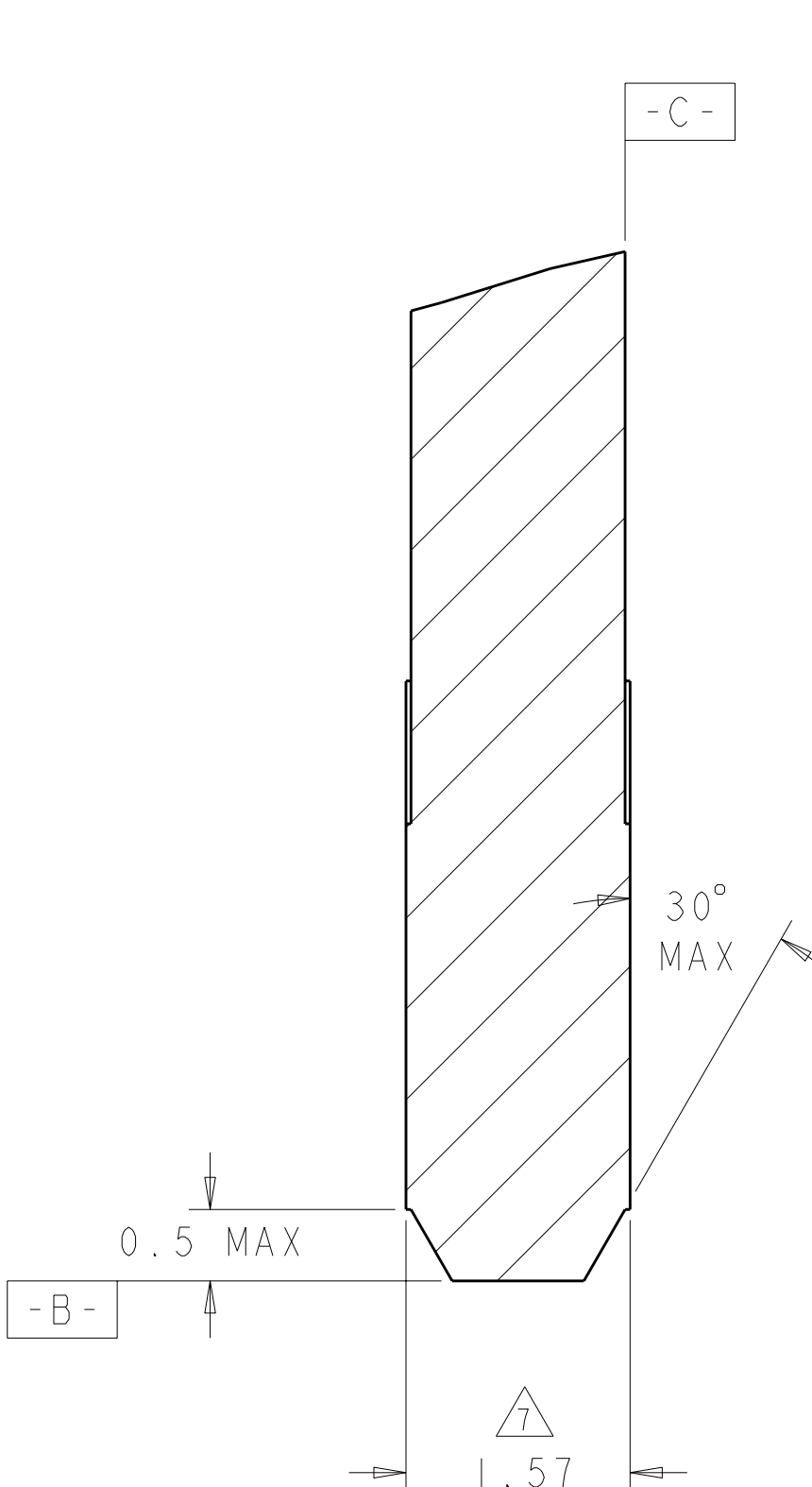
RECOMMENDED PC BOARD KEEP OUT AREA  
SCALE 4:1



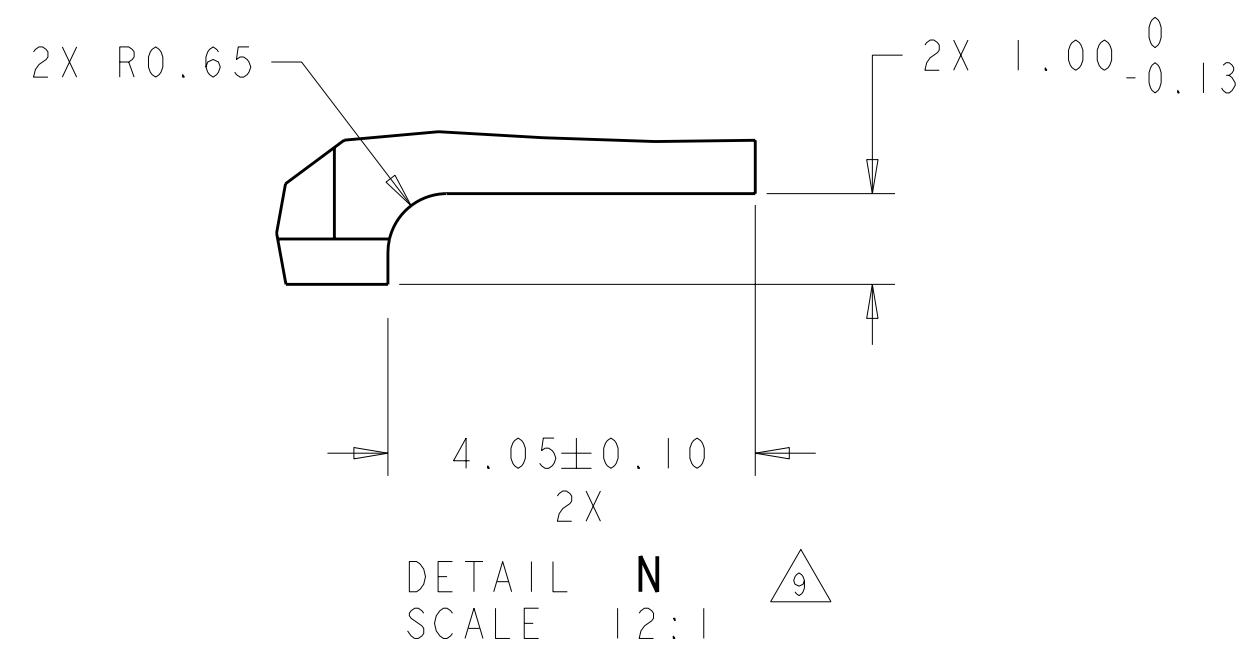
SECTION T-T  
SCALE 20:1



DETAIL L  
SCALE 12:1



SECTION W-W  
SCALE 20:1

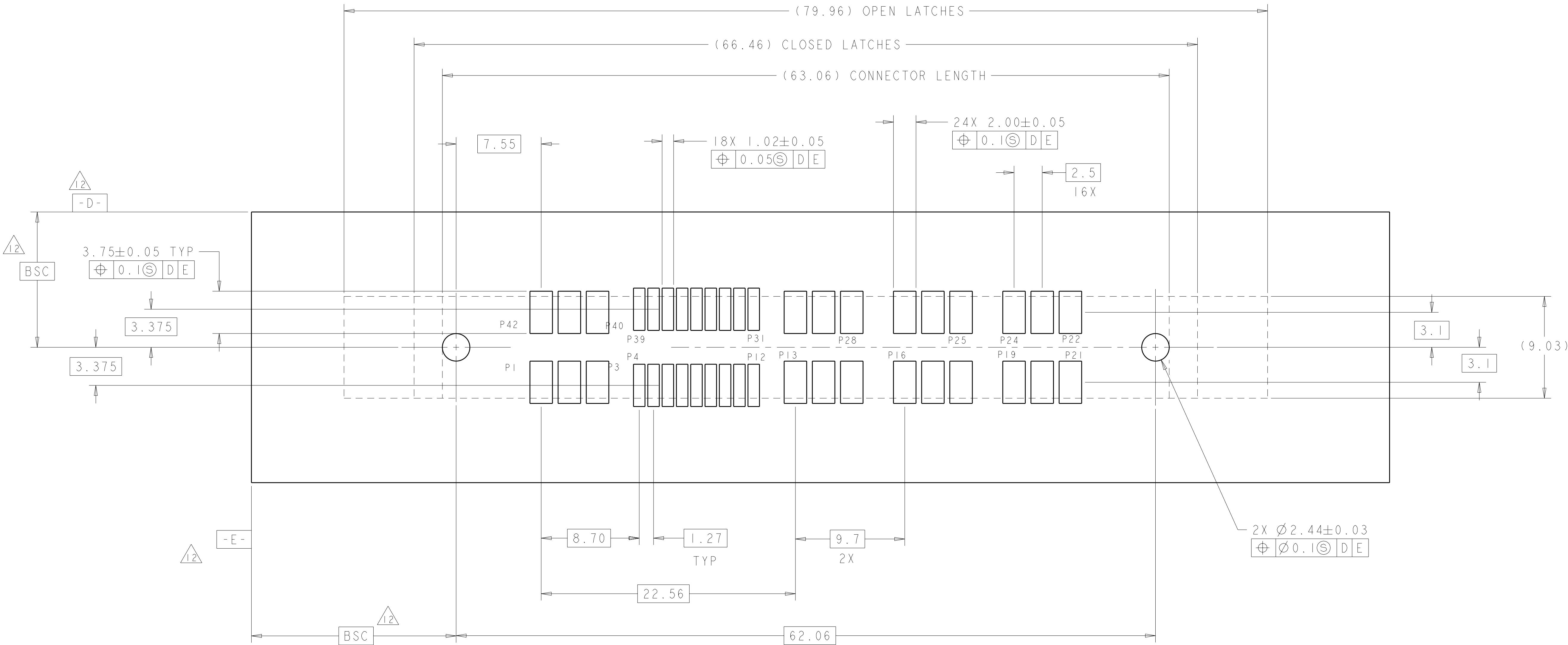


DETAIL N  
SCALE 12:1

|                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |                                                                                                                        |  |  |                                                                |  |  |                 |                                   |                                                                                  |                    |          |  |
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| CHK<br>R. LONDON<br>20MAR2009                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |                                                                                                                        |  |  |                                                                |  |  |                 | APVD<br>M. PERCHER<br>20MAR2009   | NAME<br>SOCKET CONNECTOR ASSEMBLY W/ LATCH,<br>SMT, 1P-18S-3P<br>MINI CROWN EDGE |                    |          |  |
| DIMENSIONS:<br>mm                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.5<br>2 PLC ±.5<br>3 PLC ±.25<br>4 PLC ±.25<br>ANGLES ±.2<br>FINISH - |  |  | PRODUCT SPEC<br>APPLICATION SPEC<br>WEIGHT<br>CUSTOMER DRAWING |  |  | SIZE<br>A100779 |                                   | CAGE CODE<br>C=2085197                                                           | RESTRICTED TO<br>- |          |  |
| MATERIAL<br>-                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |                                                                                                                        |  |  |                                                                |  |  | SCALE<br>5:1    |                                   | SHEET<br>3 OF 4                                                                  |                    | REV<br>B |  |



| LOC |    | DIST |     | REVISONS    |      |     |      |  |
|-----|----|------|-----|-------------|------|-----|------|--|
| GP  | 00 | P    | LYR | DESCRIPTION | DATE | DWN | APVD |  |
|     |    | -    | -   | SEE SHEET 1 | -    | -   | -    |  |
|     |    |      |     |             |      |     |      |  |
|     |    |      |     |             |      |     |      |  |
|     |    |      |     |             |      |     |      |  |



RECOMMENDED SOLDER LAND GUIDELINE  
AS VIEWED FROM CONNECTOR SIDE  
SCALE 5:1

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                   |                                                                                  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------|----------------------------------------------------------------------------------|--|
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| DIMENSIONS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | CHK<br>R. LONDON<br>20MAR2009     | NAME<br>SOCKET CONNECTOR ASSEMBLY W/ LATCH,<br>SMT, 1P-18S-3P<br>MINI CROWN EDGE |  |
| mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | APVD<br>M. PERCHERET<br>20MAR2009 | SIZE<br>A100779                                                                  |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | PRODUCT SPEC                      | CAGE CODE<br>C=2085197                                                           |  |
| 9 PLC ±.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | APPLICATION SPEC                  | DRAWING NO                                                                       |  |
| 1 PLC ±.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | WEIGHT                            | RESTRICTED TO                                                                    |  |
| 3 PLC ±.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | CUSTOMER DRAWING                  | SCALE 5:1                                                                        |  |
| 5 PLC ±.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   | SHEET 4 OF 4                                                                     |  |
| 4 PLC ±.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   | REV B                                                                            |  |
| ANGLES ±.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |                                                                                  |  |
| FINISH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                   |                                                                                  |  |

## Данный компонент на территории Российской Федерации

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

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