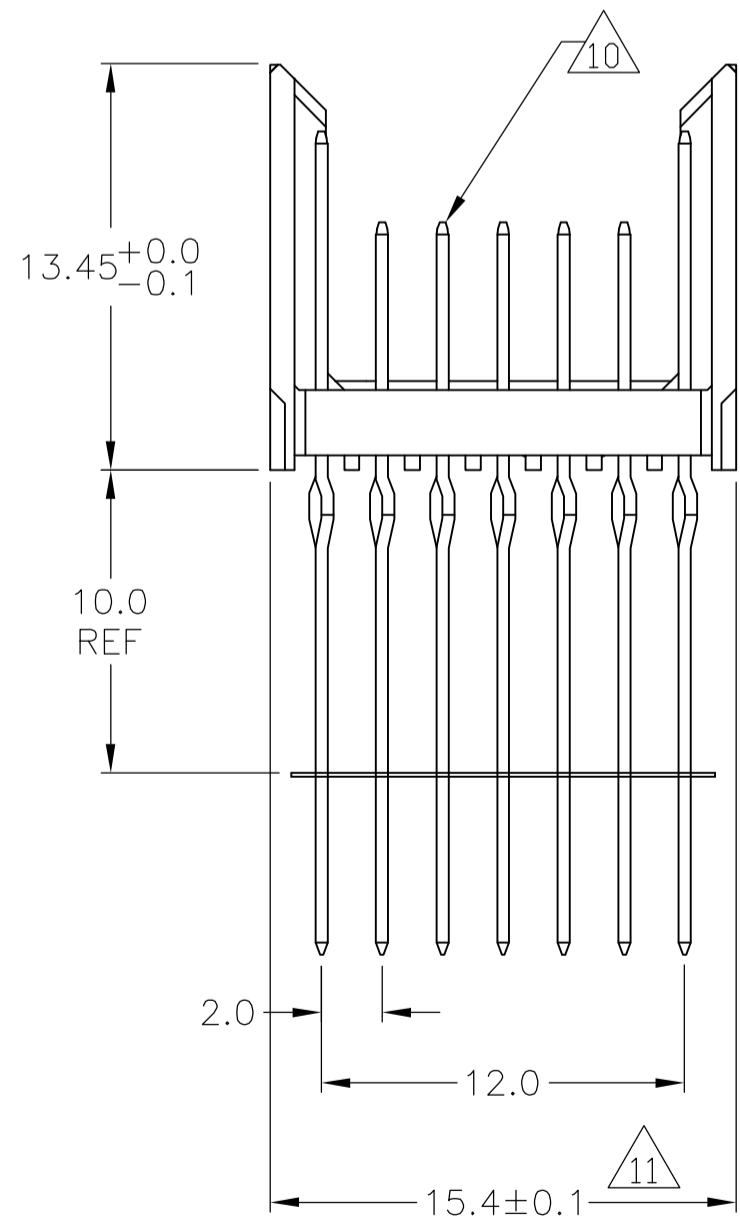
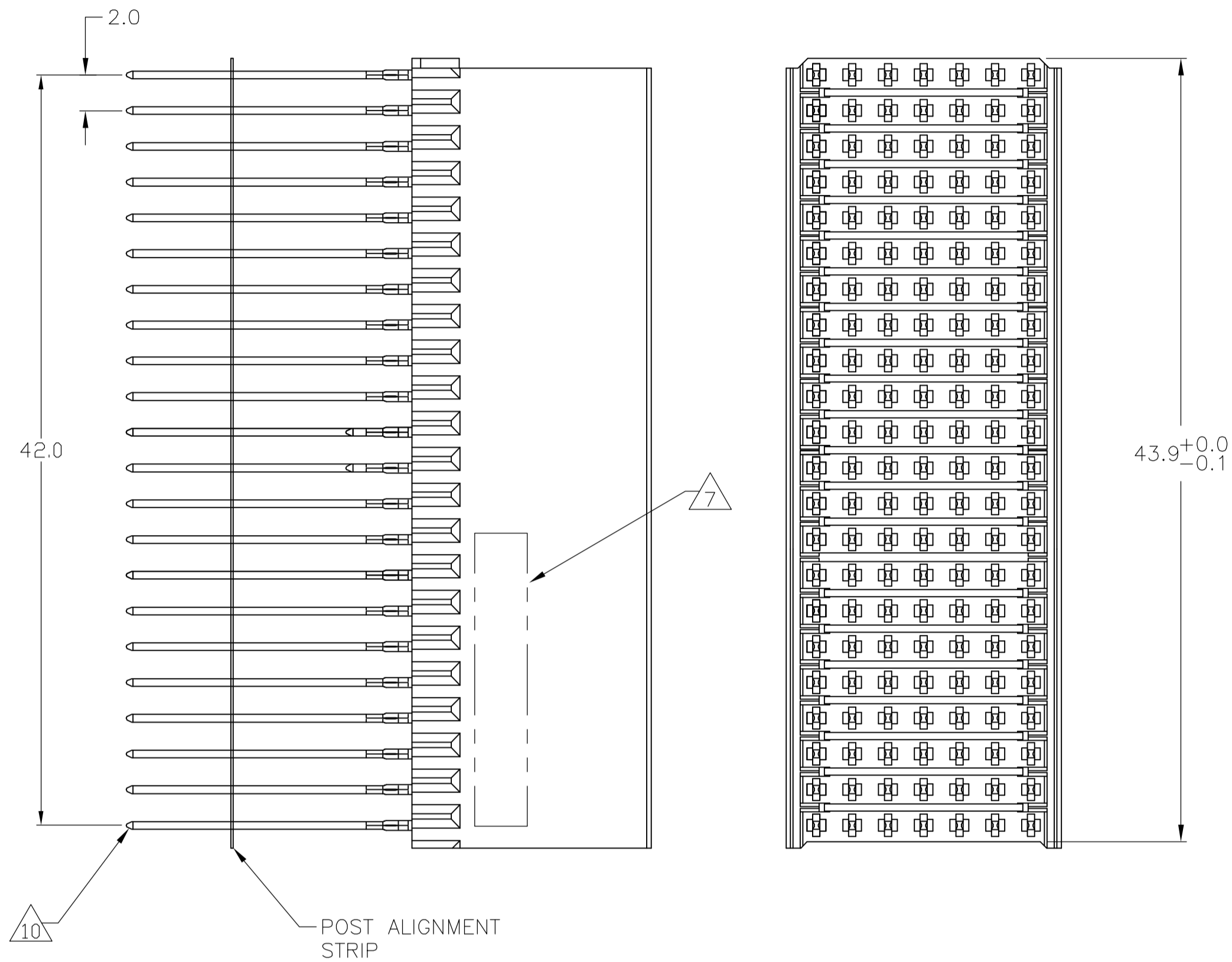
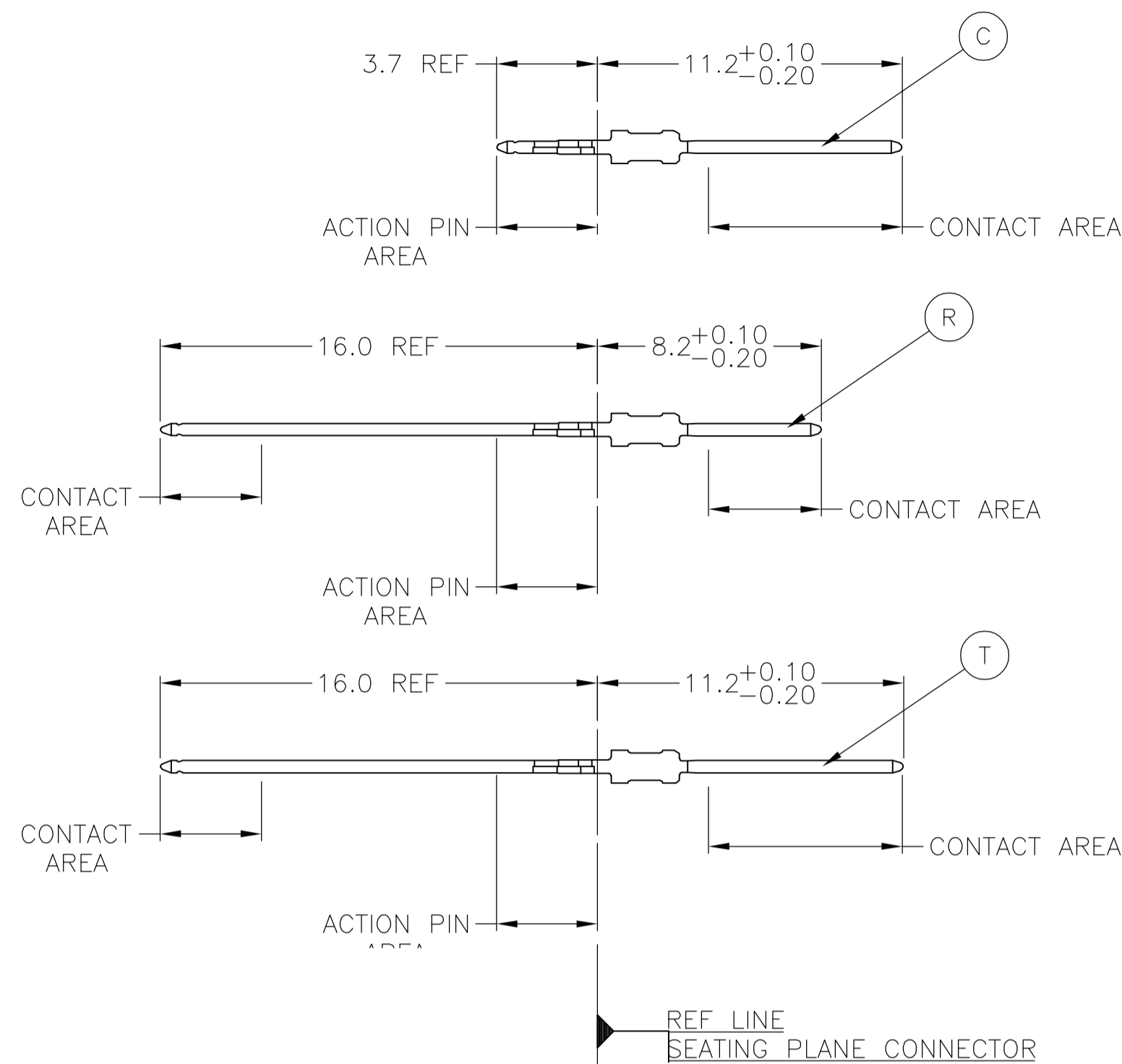


### CONNECTOR ASSEMBLY EXAMPLARY LOADED



### CONTACT DIMENSIONS

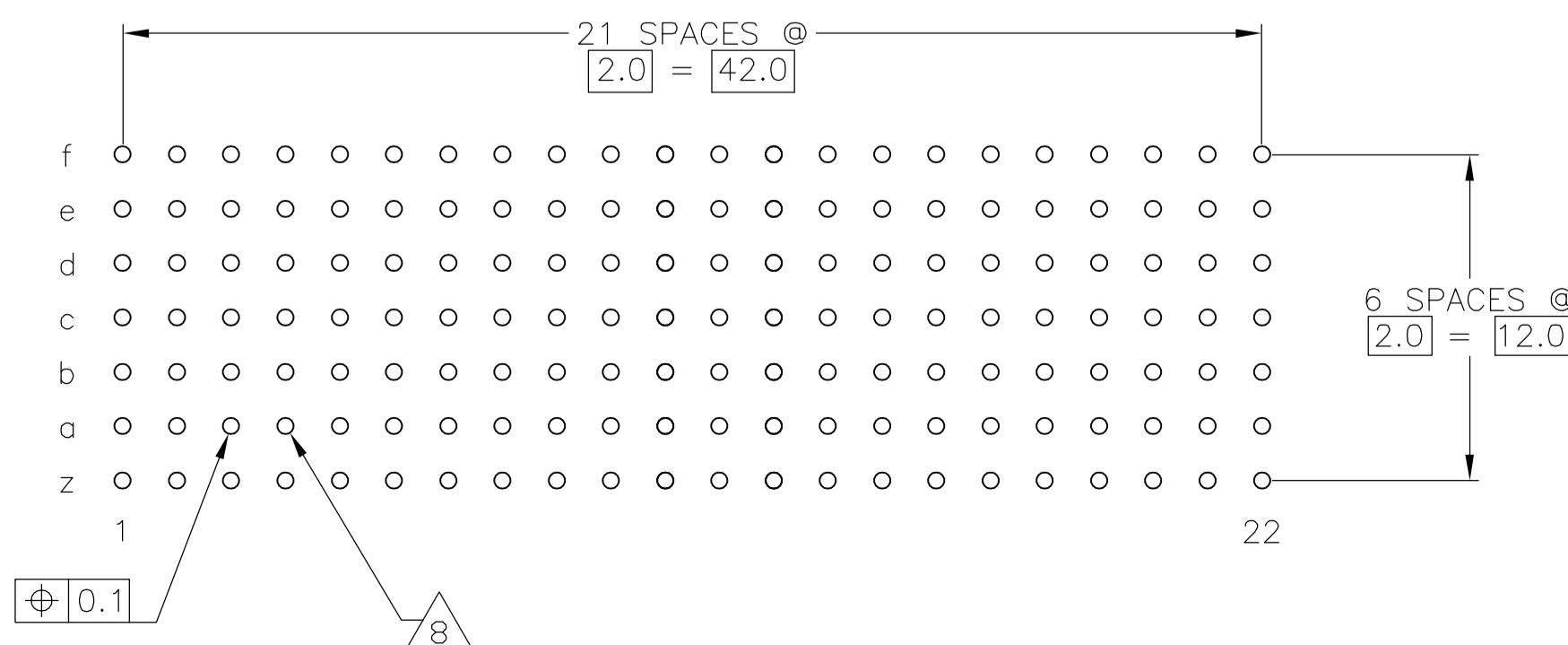
SCALE 5:1



### CONTACT LAYOUT

|    | z | a | b | c | d | e | f |
|----|---|---|---|---|---|---|---|
| 1  | T | R | R | R | R | R | T |
| 2  | T | R | R | R | R | R | T |
| 3  | T | R | R | R | R | R | T |
| 4  | T | R | R | R | R | R | T |
| 5  | T | R | R | R | R | R | T |
| 6  | T | R | R | R | R | R | T |
| 7  | T | R | R | R | R | R | T |
| 8  | T | R | R | R | R | R | T |
| 9  | T | R | R | R | R | R | T |
| 10 | T | R | R | R | R | R | T |
| 11 | C | R | R | R | R | R | C |
| 12 | C | R | R | R | R | R | C |
| 13 | T | R | R | R | R | R | T |
| 14 | T | R | R | R | R | R | T |
| 15 | T | R | R | R | R | R | T |
| 16 | T | R | R | R | R | R | T |
| 17 | T | R | R | R | R | R | T |
| 18 | T | R | R | R | R | R | T |
| 19 | T | R | R | R | R | R | T |
| 20 | T | R | R | R | R | R | T |
| 21 | T | R | R | R | R | R | T |
| 22 | T | R | R | R | R | R | T |

### RECOMMENDED PCB-HOLE LAYOUT COMPONENT SIDE SHOWN



### PLATED THRU HOLES PARAMETERS

REFERENCE APPLICATION SPECIFICATION

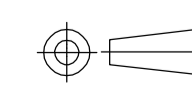
|        |             |
|--------|-------------|
| 2 6 12 | 1-5352716-9 |
| 2 5 12 | 5352716-9   |
| 2 4 12 | 5352716-4   |
| 2 3 12 | 5352716-1   |
| FINISH | PART NUMBER |

|  |  |                   |         |                             |   |         |
|--|--|-------------------|---------|-----------------------------|---|---------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWG: B CARBO      | 28JUL05 |                             | Tyco Electronics Corporation<br>Harrisburg, Pa 17105-3608 |         |
| DIMENSIONS: mm                         |  | CHK: G SKIPPER    | 28JUL05 |                             | APVD: G SKIPPER   | 28JUL05 |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | 0.1               |         | PRODUCT SPEC: 108-19082     | SIZE: A1  |         |
| 1 PLC ± 0.1                            |  | 2 PLC ± 0.1       |         | APPLICATION SPEC: 114-19029 | CAGE CODE: 00779  |         |
| 3 PLC ± 0.1                            |  | 4 PLC ± 0.1       |         | RESTRICTED TO: -            | DRAWING NO: 5352716                                       |         |
| ANGLES ± 0.1                           |  | FINISH: SEE TABLE |         | WEIGHT: -                   | SCALE: 4:1  |         |
| MATERIAL: 1                            |  | CUSTOMER DRAWING  |         | SHEET: 1 OF 2               |   | REV: 0  |

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| LOC |    | DIST |      | REVISIONS |       |      |    |
|-----|----|------|------|-----------|-------|------|----|
| AD  | 00 | REV  | DATE | BY        | APP'D | DATE | BY |
|     |    |      |      |           |       |      |    |
|     |    |      |      |           |       |      |    |

- 1 MATERIAL:  
CONTACT: PHOSPHOR BRONZE.  
HOUSING: GLASS-FILLED POLYESTER.
- 2 GENERAL PLATING SPECIFICATION: UNDERPLATING  
(ENTIRE CONTACT): 1.27µm MIN NICKEL AND ACTION  
PIN: 0.5µm MIN TIN.  
FOR PLATING OF MATING SURFACES SEE APPLICABLE  
SPECIFICATION REFERENCE FOR EACH DASH NUMBER.
- 3 CONFORMS TO ALL TESTING ACCORDING TO IEC 61076-4-101  
PERFORMANCE LEVEL 2.
- 4 CONFORMS TO ALL TESTING ACCORDING TO IEC 61076-4-101  
PERFORMANCE LEVEL 1.
- 5 CONNECTOR TESTED AND QUALIFIED AGAINST TELCORDIA GR-1217-CORE QUALITY LEVEL 3,  
CENTRAL OFFICE APPLICATIONS.
- 6 CONNECTOR TESTED AND QUALIFIED AGAINST TELCORDIA GR-1217-CORE QUALITY LEVEL 3,  
UNCONTROLLED ENVIROMENT APPLICATIONS.
- 7 CONNECTOR MARKED WITH PART NUMBER AND DATE CODE.  
ADDITIONAL CHARACTERS OR MARKINGS, AS WELL AS THE LOCATION OF THE MARKINGS,  
MAY BE ADDED FOR TRACEABILITY BASED UPON MANUFACTURERS DISCRETION.
- 8 PLATED-THROUGH HOLES AT 2x2mm SQUARE GRID  
PATTERN DEFINED BY CONTACT LAYOUT.
- 9 FOR ACTUAL PIN LOADING SEE "CONTACT LAYOUT".
- 10 FOR ACTUAL PIN DIMENSIONS SEE "CONTACT DIMENSIONS".
- 11 TO BE MEASURED AT BOTTOM OF SHROUD.
- 12 CONNECTOR LUBRICATED WITH BELCORE APPROVED LUBRICANT,  
TECHNICAL REFERENCE: TR-NWT-001217 ISSUE 1, SEP 1992.

|   |                       |   |            |   |   |                    |
|---|-----------------------|---|------------|---|---|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.  |                       | DWG<br>B. CARBO   | 28JUL05    | <b>tyco</b><br>Electronics                      | Tyco Electronics Corporation<br>Harrisburg, Pa 17105-3608 |                    |
|   |                       | CHK<br>G. SKIPPER   | 28JUL05    |   |   |                    |
|   |                       | APP'D<br>G. SKIPPER   | 28JUL05    | NAME<br>MALE ASSEMBLY, Z-PACK 2mm HM,<br>TYPE B |   |                    |
| DIMENSIONS:<br>mm   |                       | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                       |            | PRODUCT SPEC<br>108-19082                       |   |                    |
|  |                       | 0 PLC ± -<br>1 PLC ± 0.1<br>2 PLC ± -<br>3 PLC ± -<br>4 PLC ± -<br>ANGLES ± ± - |            | APPLICATION SPEC<br>114-19029                   |   |                    |
| MATERIAL<br>SEE SHEET 1   | FINISH<br>SEE SHEET 1 | WEIGHT<br>-   | SIZE<br>A1 | CAGE CODE<br>00779                              | DRAWING NO<br>5352716                                     | RESTRICTED TO<br>- |
| CUSTOMER DRAWING  |                       |   |            | SCALE<br>4:1                                    | SHEET<br>2  | OF 2               |
|   |                       |   |            | REV<br>0  |   |                    |