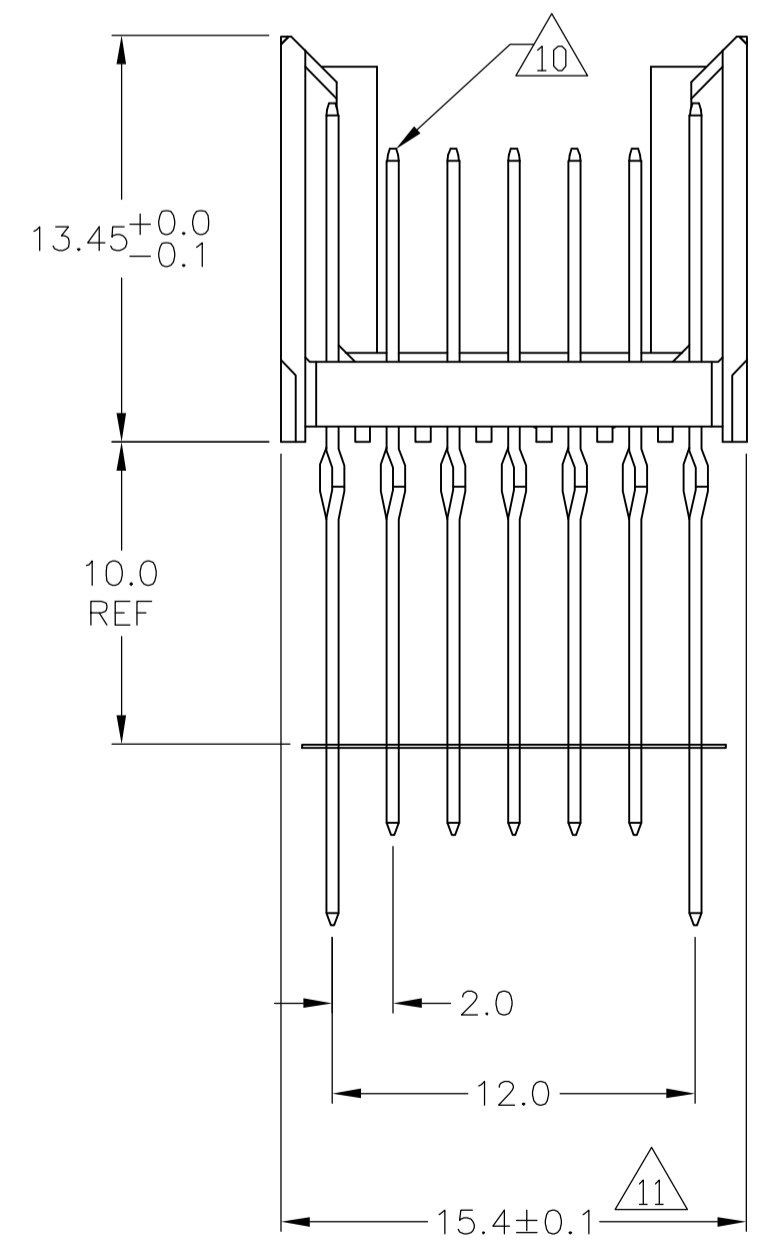
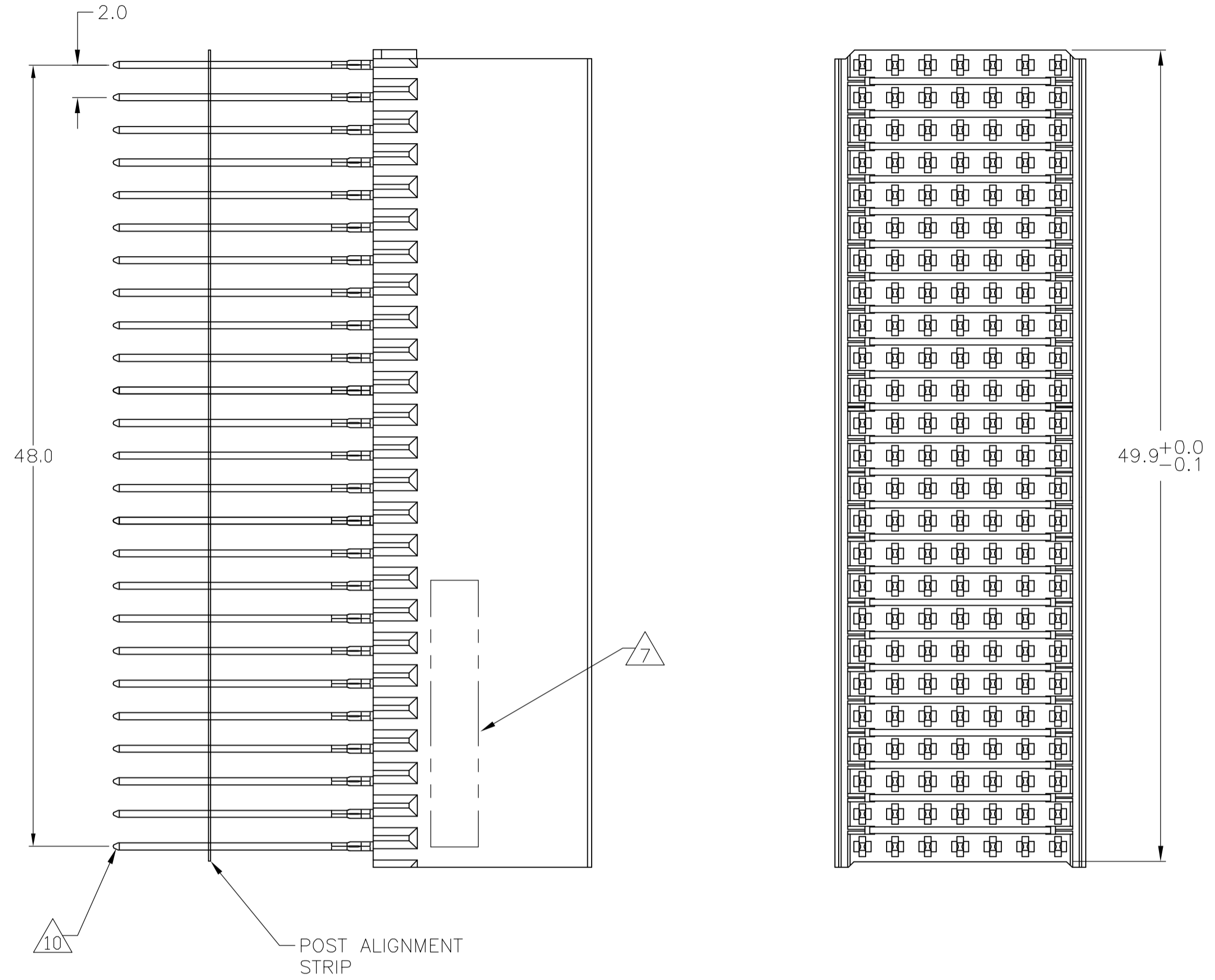
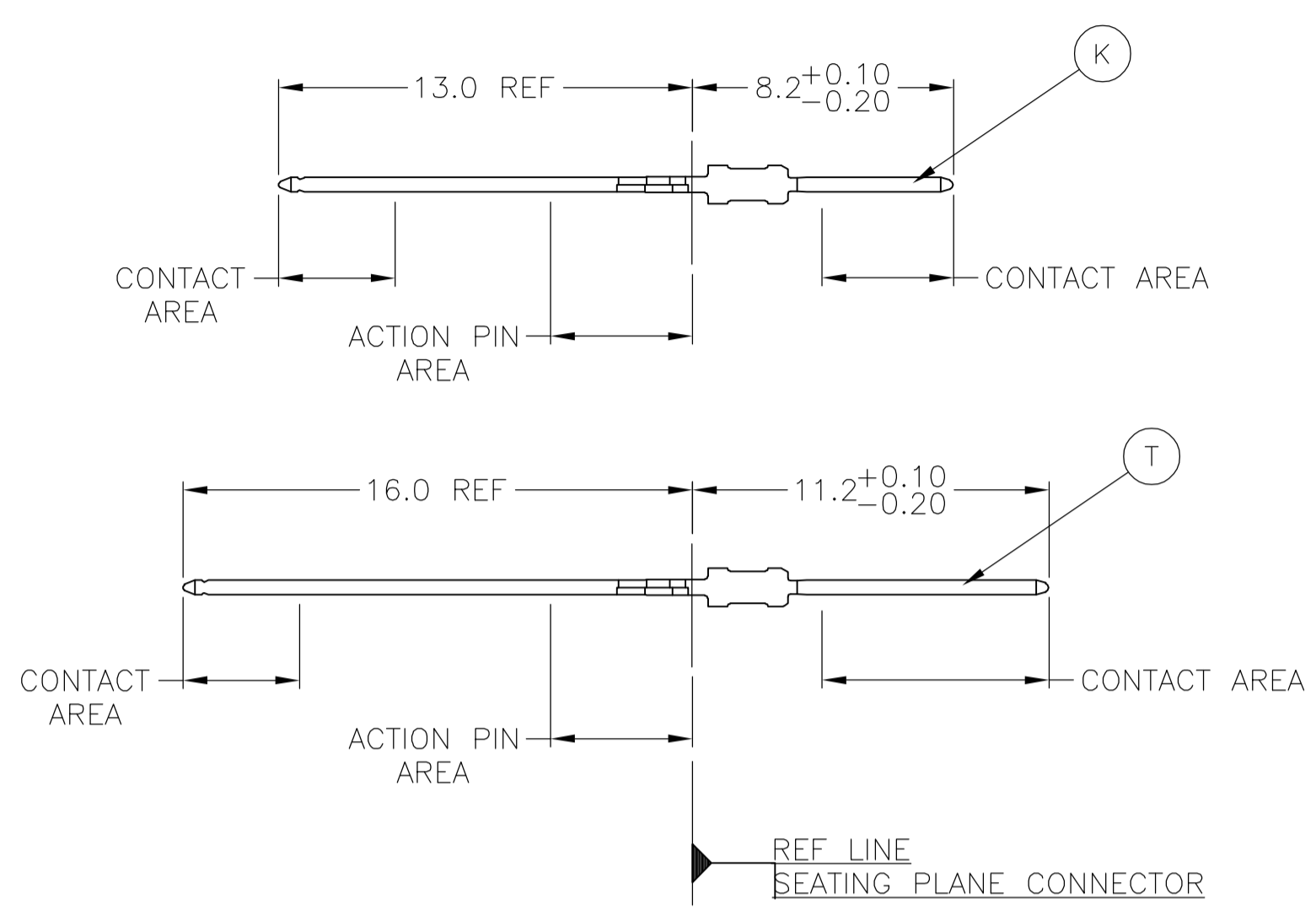


### CONNECTOR ASSEMBLY EXAMPLARY LOADED



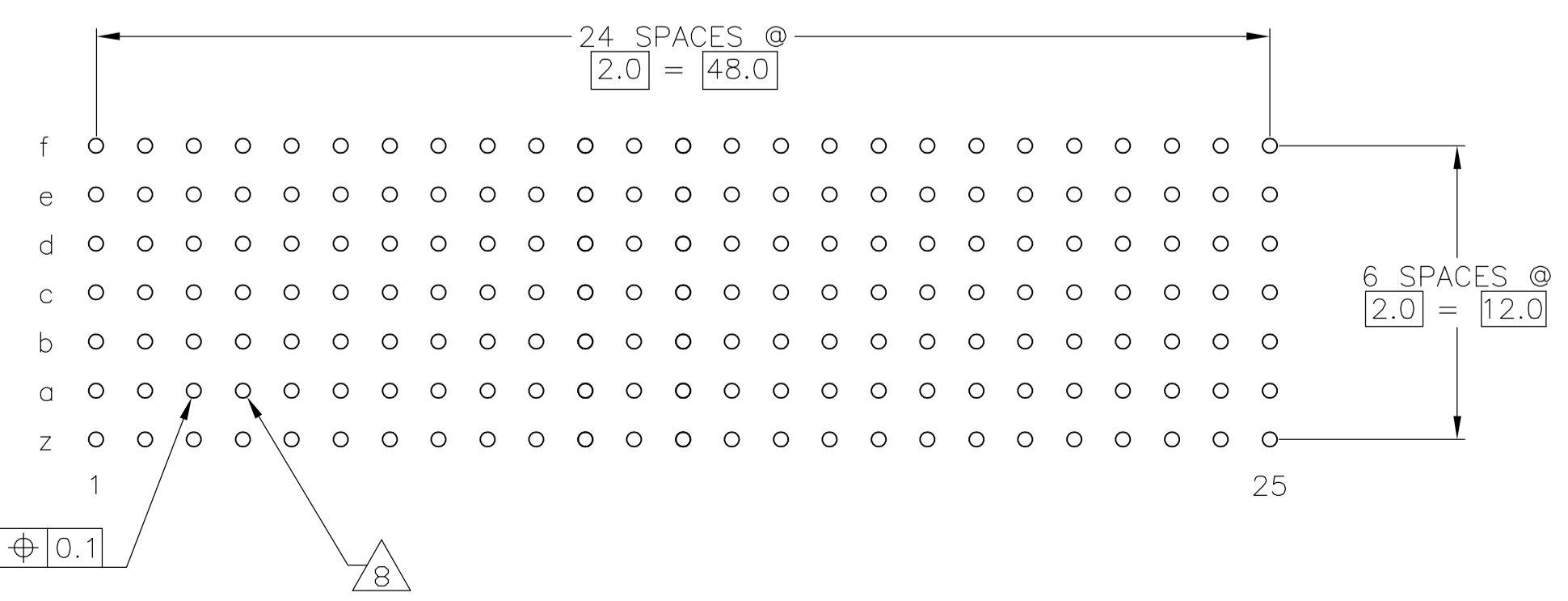
### CONTACT DIMENSIONS SCALE 5:1



### CONTACT LAYOUT

|    | z | a | b | c | d | e | f |
|----|---|---|---|---|---|---|---|
| 1  | T | K | K | K | K | K | T |
| 2  | T | K | K | K | K | K | T |
| 3  | T | K | K | K | K | K | T |
| 4  | T | K | K | K | K | K | T |
| 5  | T | K | K | K | K | K | T |
| 6  | T | K | K | K | K | K | T |
| 7  | T | K | K | K | K | K | T |
| 8  | T | K | K | K | K | K | T |
| 9  | T | K | K | K | K | K | T |
| 10 | T | K | K | K | K | K | T |
| 11 | T | K | K | K | K | K | T |
| 12 | T | K | K | K | K | K | T |
| 13 | T | K | K | K | K | K | T |
| 14 | T | K | K | K | K | K | T |
| 15 | T | K | K | K | K | K | T |
| 16 | T | K | K | K | K | K | T |
| 17 | T | K | K | K | K | K | T |
| 18 | T | K | K | K | K | K | T |
| 19 | T | K | K | K | K | K | T |
| 20 | T | K | K | K | K | K | T |
| 21 | T | K | K | K | K | K | T |
| 22 | T | K | K | K | K | K | T |
| 23 | T | K | K | K | K | K | T |
| 24 | T | K | K | K | K | K | T |
| 25 | T | K | K | K | K | K | T |

### RECOMMENDED PCB-HOLE LAYOUT COMPONENT SIDE SHOWN



### PLATED THRU HOLES PARAMETERS REFERENCE APPLICATION SPECIFICATION

|        |             |
|--------|-------------|
| 2 6 12 | 1-106510-9  |
| 2 5 12 | 106510-9    |
| 2 4    | 106510-4    |
| 2 3    | 106510-1    |
| FINISH | PART NUMBER |

THIS DRAWING IS A CONTROLLED DOCUMENT.

|                |  |                     |         |                  |   |
|----------------|--|---------------------|---------|------------------|---|
| DIMENSIONS: mm | TOLERANCES UNLESS OTHERWISE SPECIFIED: | DIN B CARBO 21APROS | 21APROS | tyco Electronics | Tyco Electronics Corporation<br>Harrisburg, Pa 17105-3608 |
| 0 PLC ± -      | 1 PLC ± 0.1                            | CHK G SKIPPER       | 21APROS | NAME             | MALE ASSEMBLY, Z-PACK 2mm HM, TYPE B                      |
| 1 PLC ± -      | 2 PLC ± -                              | APP'D G SKIPPER     | 21APROS | PRODUCT SPEC     | 108-19082   |
| 3 PLC ± -      | 4 PLC ± -                              | ANGLES ± -          |         | APPLICATION SPEC | 114-19029   |
| MATERIAL 1     | FINISH SEE TABLE                       | WEIGHT              | A1      | SIZE             | 00779   |
|                |  |                     |         | SCALE            | 4:1   |
|                |  |                     |         | RESTRICTED TO    |   |
|                |  |                     |         | CUSTOMER DRAWING | 106510  |
|                |  |                     |         | SCALE            | 4:1   |
|                |  |                     |         | SHEET            | 1 OF 2  |
|                |  |                     |         | REV              | C   |

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| LOC |    | DIST |             | REVISIONS |       |      |    |
|-----|----|------|-------------|-----------|-------|------|----|
| AD  | 00 | REV  | DATE        | BY        | APP'D | DATE | BY |
|     |    | 1    | SEE SHEET 1 |           |       |      |    |

- 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/LEAD.  
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                         | 21APR05 | <b>tyco</b><br>Electronics    | Tyco Electronics Corporation<br>Harrisburg, Pa 17105-3608 |   |
|  |                       | CHK<br>G SKIPPER                       | 21APR05 |                               |   |   |
| DIMENSIONS:<br>mm                      |                       | TOLERANCES UNLESS OTHERWISE SPECIFIED: |         | APP'D<br>G SKIPPER            | 21APR05   | NAME<br>MALE ASSEMBLY, Z-PACK 2mm HM,<br>TYPE B |
|  |                       | 0 PLC ± -                              |         | PRODUCT SPEC<br>108-19082     |   |   |
|  |                       | 1 PLC ± 0.1                            |         | APPLICATION SPEC<br>114-19029 |   |   |
|  |                       | 2 PLC ± -                              |         | SIZE<br>A1                    | CAGE CODE<br>00779  | DRAWING NO<br>106510                            |
|  |                       | 3 PLC ± -                              |         | RESTRICTED TO<br>-            |   |   |
|  |                       | 4 PLC ± -                              |         |                               |   |   |
|  |                       | ANGLES ± ± -                           |         |                               |   |   |
| MATERIAL<br>SEE SHEET 1                | FINISH<br>SEE SHEET 1 | WEIGHT<br>-                            |         | CUSTOMER DRAWING              |   |   |
|  |                       | SCALE<br>4:1                           |         | SHEET<br>2 OF 2               |   | REV<br>C  |