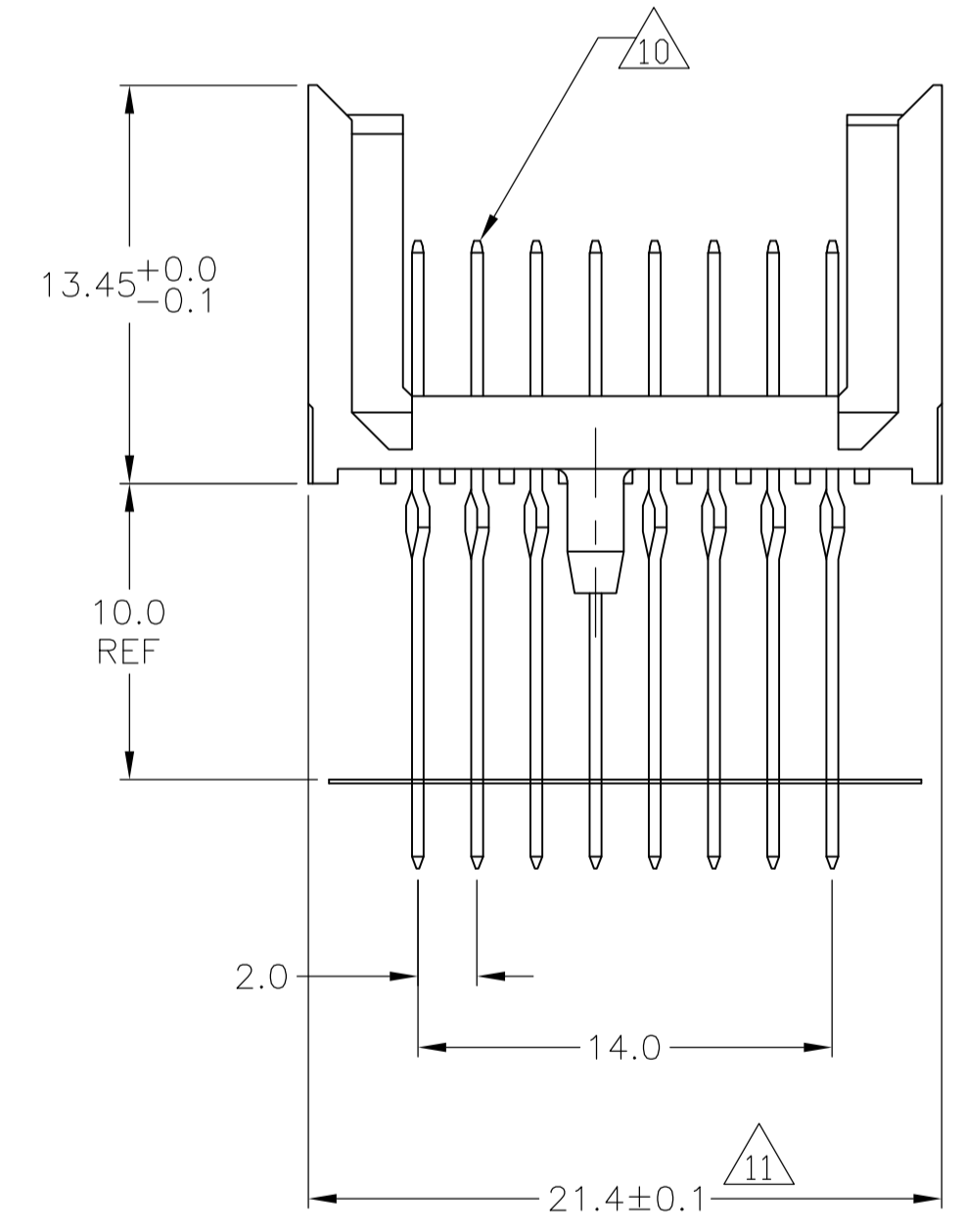
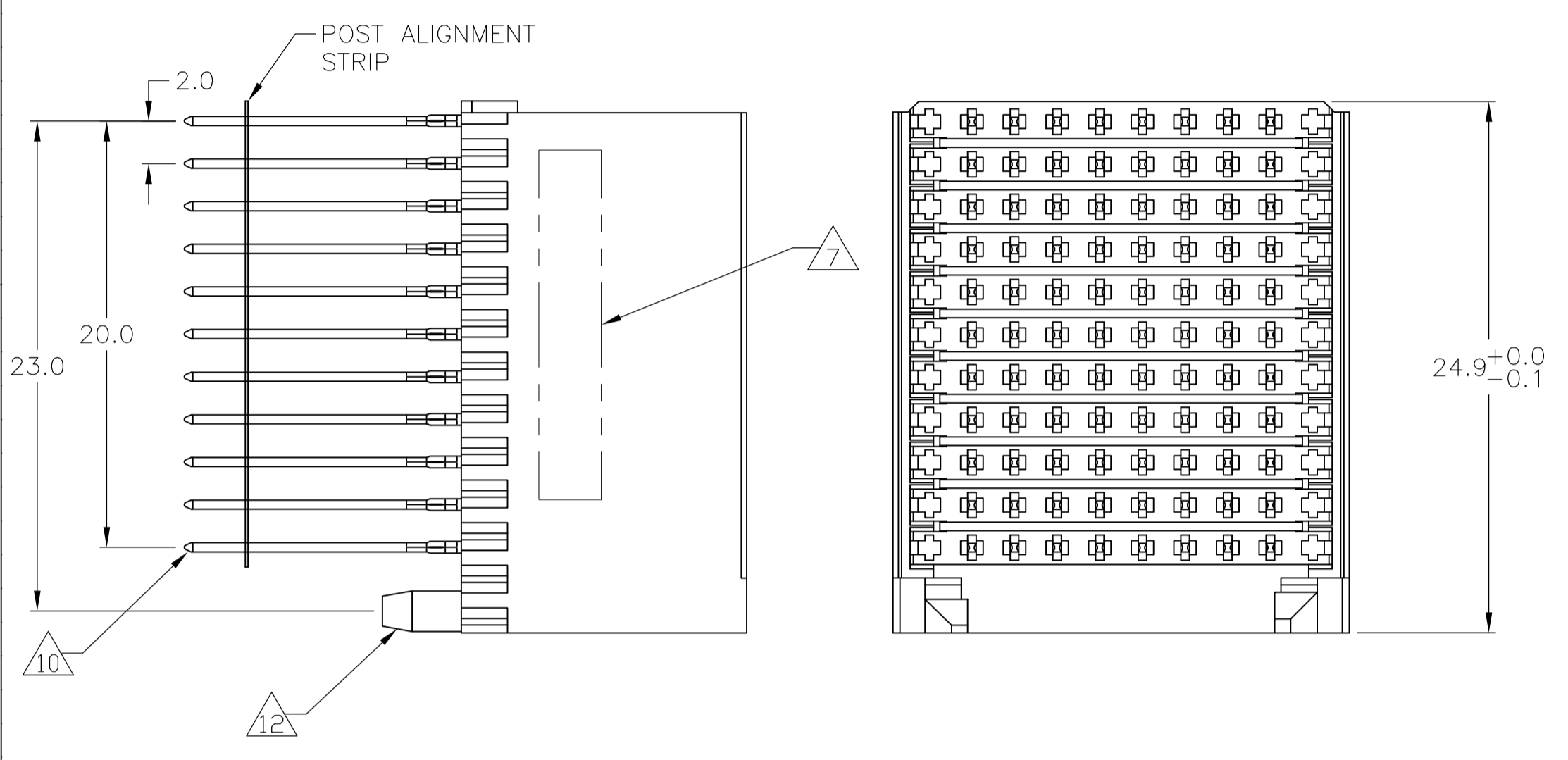
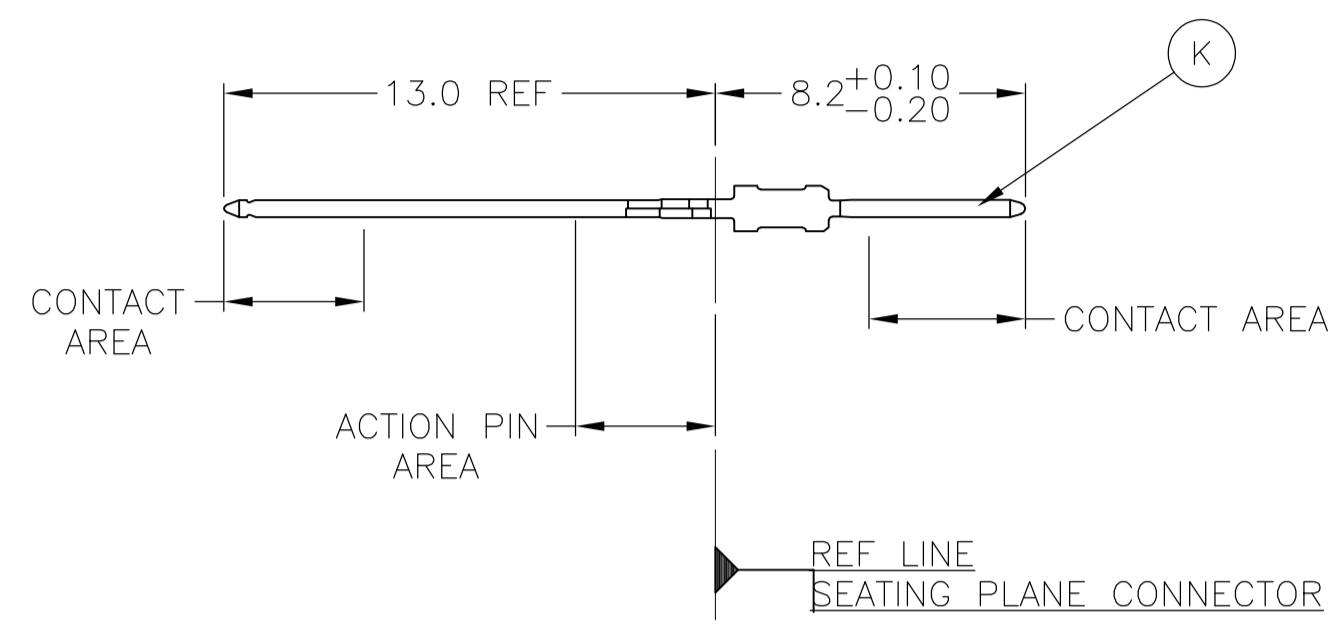


| LOC |     | DIST                         |         | REVISIONS |      |  |  |
|-----|-----|------------------------------|---------|-----------|------|--|--|
| P   | LTR | DESCRIPTION                  | DATE    | DMN       | APVD |  |  |
| A   |     | REVISED PER ECN 0512-0303-05 | 17APR06 | JDP       | GES  |  |  |
| B   |     | ECR-10-018652                | 10SEP10 | JS        | MQW  |  |  |

### CONNECTOR ASSEMBLY EXAMPLARY LOADED



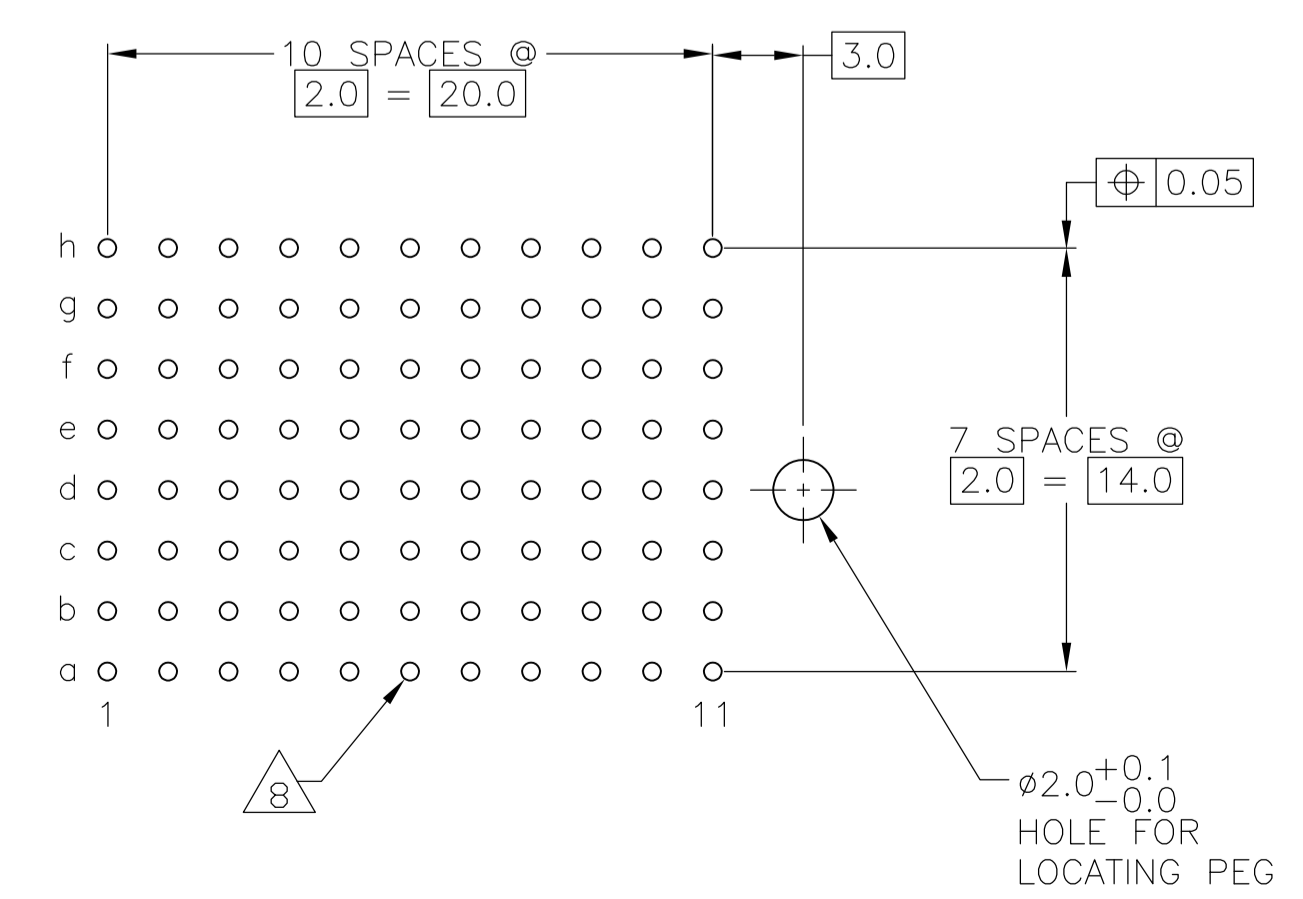
### CONTACT DIMENSIONS SCALE 5:1



### CONTACT LAYOUT

|    | z       | a | b | c | d | e | f | g | h | i |
|----|---------|---|---|---|---|---|---|---|---|---|
| 1  | K       | K | K | K | K | K | K | K |   |   |
| 2  | K       | K | K | K | K | K | K | K |   |   |
| 3  | K       | K | K | K | K | K | K | K |   |   |
| 4  | K       | K | K | K | K | K | K | K |   |   |
| 5  | K       | K | K | K | K | K | K | K |   |   |
| 6  | K       | K | K | K | K | K | K | K |   |   |
| 7  | K       | K | K | K | K | K | K | K |   |   |
| 8  | K       | K | K | K | K | K | K | K |   |   |
| 9  | K       | K | K | K | K | K | K | K |   |   |
| 10 | K       | K | K | K | K | K | K | K |   |   |
| 11 | K       | K | K | K | K | K | K | K |   |   |
|    | GUIDING |   |   |   |   |   |   |   |   |   |

### RECOMMENDED PCB-HOLE LAYOUT COMPONENT SIDE SHOWN



### PLATED THRU HOLES PARAMETERS REFERENCE APPLICATION SPECIFICATION

|        |             |
|--------|-------------|
| 2 6 13 | 1-5646514-9 |
| 2 5 13 | 5646514-9   |
| 2 4    | 5646514-4   |
| 2 3    | 5646514-1   |
| FINISH | PART NUMBER |

THIS DRAWING IS A CONTROLLED DOCUMENT.

|                |  |                         |  |
|----------------|--|-------------------------|--|
| DIMENSIONS: mm | TOLERANCES UNLESS OTHERWISE SPECIFIED: | DIN S. WAITMAN 14JUL05  | Tyco Electronics Corporation Harrisburg, Pa 17105-3608 |
| 0-PLC ±        | 1-PLC ±0.2                             | CHK G. SKIPPER 14JUL05  | MALE ASSEMBLY, Z-PACK 2mm HM, TYPE F                   |
| 2-PLC ±0.02    | 3-PLC ±0.005                           | APVD G. SKIPPER 14JUL05 | 108-19082  |
| 4-PLC ±0.30'   |  |                         | 114-19029  |
| MATERIAL       | FINISH SEE TABLE                       | WEIGHT                  | SIZE CAGE CODE DRAWING NO. RESTRICTED TO               |
|                |  |                         | A1 00779 C=5646514                                     |
|                |  |                         | CUSTOMER DRAWING SCALE 4:1 SHEET 1 OF 2 REV B          |

| LOC | DIST | REVISIONS |             |    |      |
|-----|------|-----------|-------------|----|------|
| AD  | 00   | REV       | DATE        | BY | APPV |
|     |      | 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.  
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 ENVIRONMENT 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 LOCATION PEG.
- 13 CONNECTOR LUBRICATED WITH BELCORE APPROVED LUBRICANT,  
TECHNICAL REFERENCE: TR-NWT-001217 ISSUE 1, SEP 1992.

|   |  |                               |   |                    |
|---|--|-------------------------------|---|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.  |  | DIN<br>S. WAITMAN<br>14JUL05  | Tyco Electronics Corporation<br>Harrisburg, Pa 17105-3608 |                    |
| DIMENSIONS:<br>mm   |  | CHK<br>G. SKIPPER<br>14JUL05  | NAME<br>G. SKIPPER<br>14JUL05                             |                    |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0-PLG ±<br>1-PLG ±0.2<br>2-PLG ±0.02<br>3-PLG ±0.005<br>4-PLG ±0.005<br>ANGLES ±0.30° |  | APVD<br>G. SKIPPER<br>14JUL05 | PRODUCT SPEC<br>108-19082                                 |                    |
| MATERIAL<br>SEE SHEET 1   |  | FINISH<br>SEE SHEET 1         | APPLICATION SPEC<br>114-19029                             | RESTRICTED TO<br>— |
| CUSTOMER DRAWING  |  | WEIGHT<br>—                   | SIZE<br>A1  | SCALE<br>4:1       |
|   |  | DRAWING NO<br>00779           | C=5646514   | SHEET 2 OF 2       |