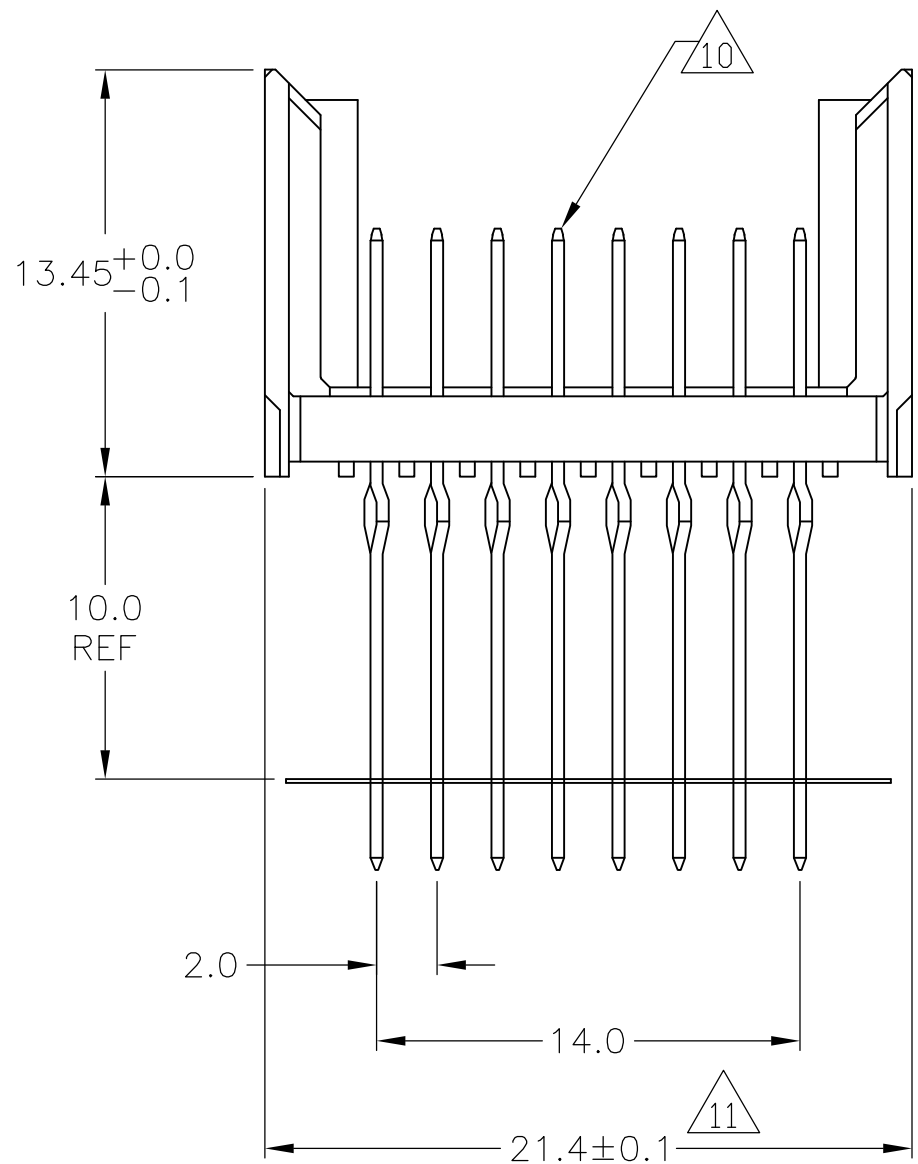
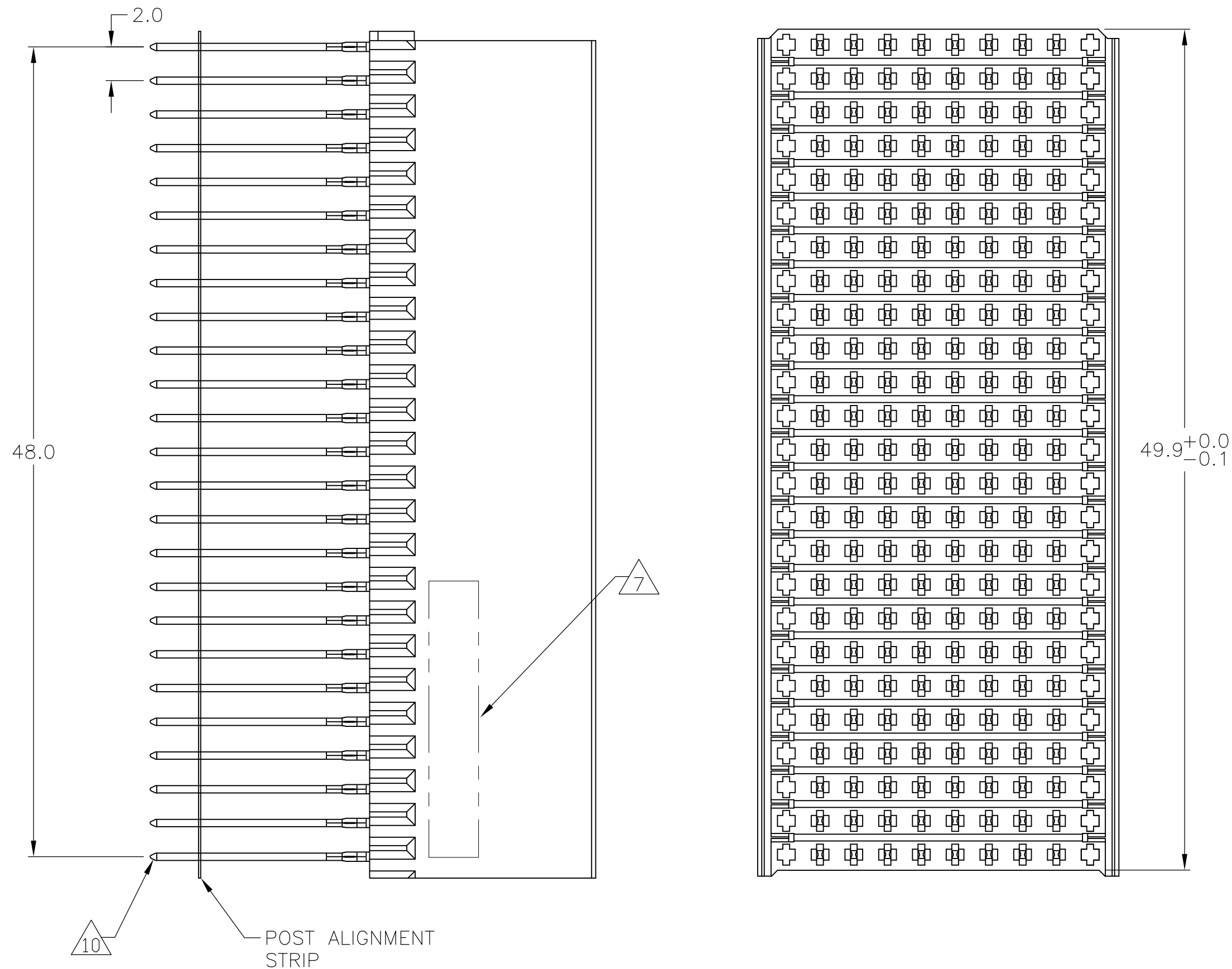
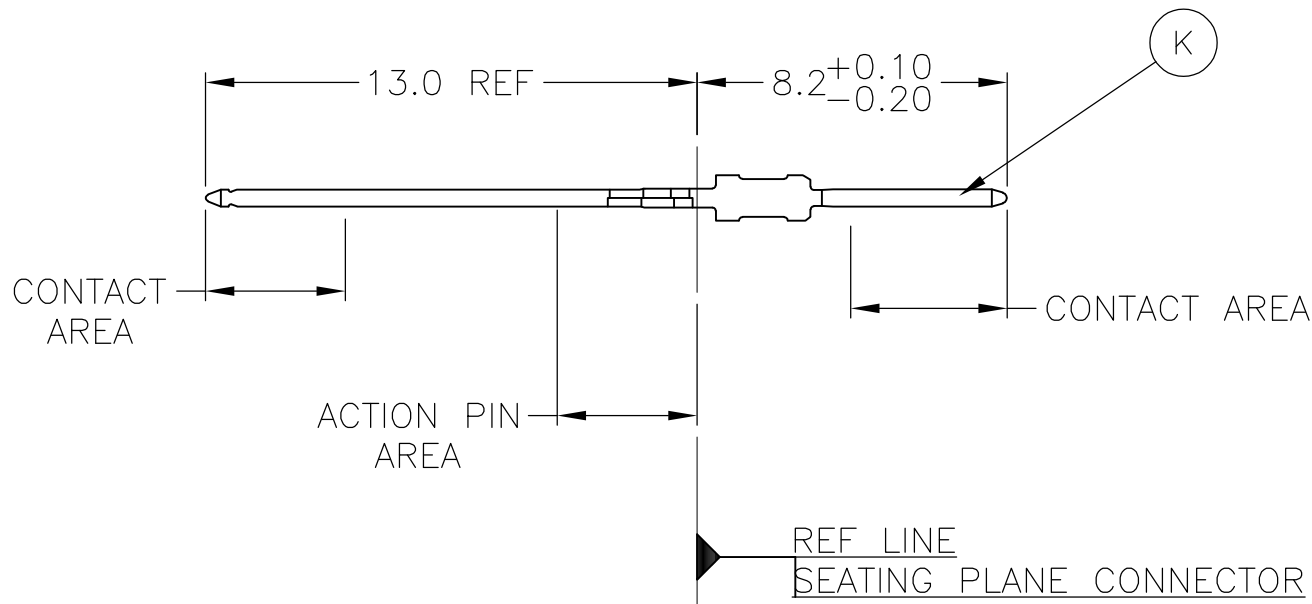


| LOC | DIST | REVISIONS |     |                              |         |            |
|-----|------|-----------|-----|------------------------------|---------|------------|
|     |      | P         | LTR | DESCRIPTION                  | DATE    | DWN   APVD |
| AD  | 00   | A         |     | REVISED PER ECN 0512-0303-05 | 17APR06 | JDP   GES  |
|     |      | B         |     | ECR-10-018652                | 10SEP10 | JS   MQW   |

CONNECTOR ASSEMBLY  
EXAMPLARY LOADED



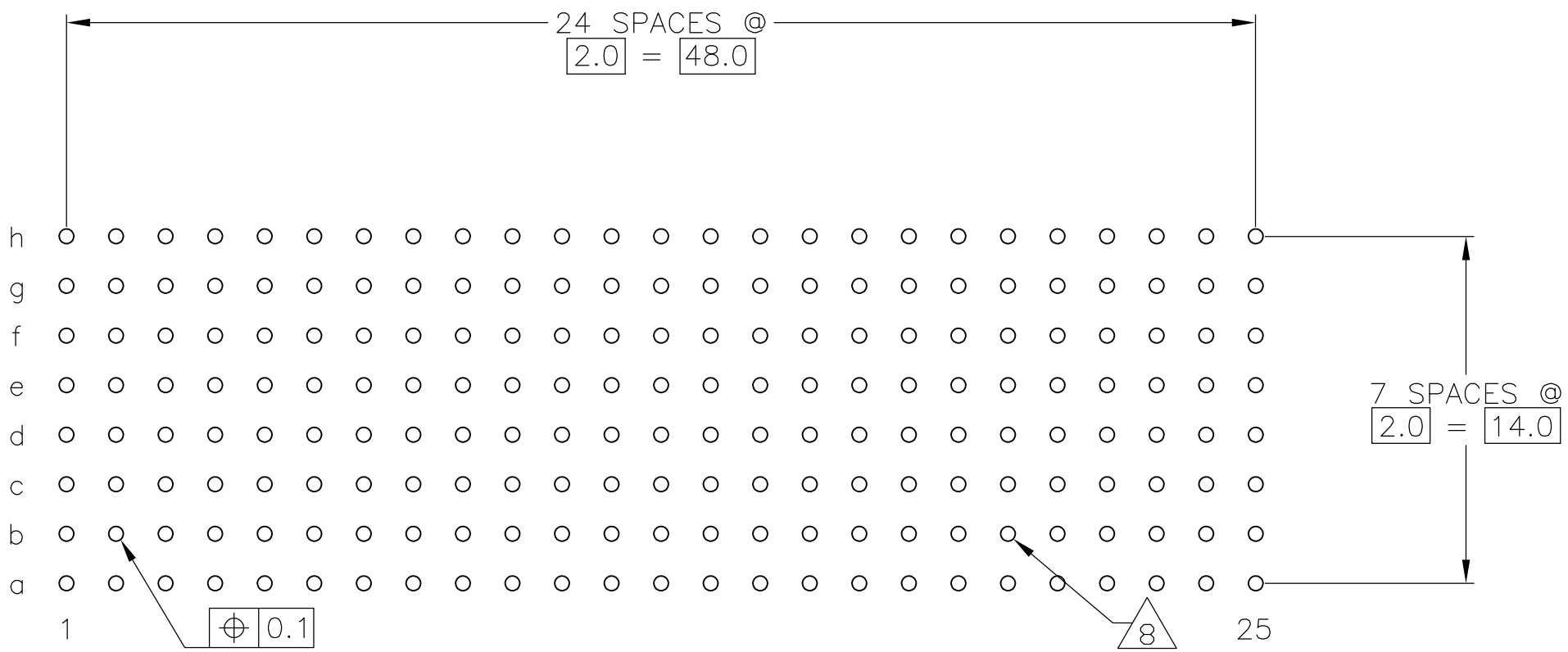
CONTACT DIMENSIONS  
SCALE 5:1



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 |   |
| 12 |   | K | K | K | K | K | K | K | K |   |
| 13 |   | K | K | K | K | K | K | K | K |   |
| 14 |   | K | K | K | K | K | K | K | K |   |
| 15 |   | K | K | K | K | K | K | K | K |   |
| 16 |   | K | K | K | K | K | K | K | K |   |
| 17 |   | K | K | K | K | K | K | K | K |   |
| 18 |   | K | K | K | K | K | K | K | K |   |
| 19 |   | K | K | K | K | K | K | K | K |   |
| 20 |   | K | K | K | K | K | K | K | K |   |
| 21 |   | K | K | K | K | K | K | K | K |   |
| 22 |   | K | K | K | K | K | K | K | K |   |
| 23 |   | K | K | K | K | K | K | K | K |   |
| 24 |   | K | K | K | K | K | K | K | K |   |
| 25 |   | K | K | K | K | K | K | K | K |   |

RECOMMENDED PCB-HOLE LAYOUT  
COMPONENT SIDE SHOWN



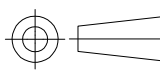
PLATED THRU HOLES PARAMETERS  
REFERENCE APPLICATION SPECIFICATION

|        |   |    |             |
|--------|---|----|-------------|
| 2      | 6 | 12 | 1-5646373-9 |
| 2      | 5 | 12 | 5646373-9   |
| 2      | 4 |    | 5646373-4   |
| 2      | 3 |    | 5646373-1   |
| FINISH |   |    | PART NUMBER |

|                                                                                                              |  |                               |                                                           |  |
|--------------------------------------------------------------------------------------------------------------|--|-------------------------------|-----------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                                       |  | DWN<br>S. WAITMAN<br>13JUL05  | Tyco Electronics Corporation<br>Harrisburg, Pa 17105-3608 |  |
| DIMENSIONS:<br>mm                                                                                            |  | CHK<br>G. SKIPPER<br>13JUL05  | NAME                                                      |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0-PLG ±<br>1-PLG ±0.1<br>2-PLG ±<br>3-PLG ±<br>4-PLG ±<br>ANGLES ± |  | APVD<br>G. SKIPPER<br>13JUL05 | PRODUCT SPEC<br>108-1622                                  |  |
| MATERIAL                                                                                                     |  | APPLICATION SPEC<br>114-19029 | SIZE<br>A1                                                |  |
| FINISH<br>SEE TABLE                                                                                          |  | WEIGHT<br>-                   | DRAWING NO<br>00779                                       |  |
| CUSTOMER DRAWING                                                                                             |  | SCALE<br>4:1                  | SHEET<br>1 OF 2                                           |  |
|                                                                                                              |  |                               | REV<br>B                                                  |  |

| LOC | DIST | REVISIONS |     |             |      |     |
|-----|------|-----------|-----|-------------|------|-----|
| AD  | 00   | REV       | LTR | DESCRIPTION | DATE | OWN |
|     |      | —         |     | 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 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.                                                |                                        | DWN:<br>S. WAITMAN<br>13JUL05   |  Tyco Electronics Corporation<br>Harrisburg, Pa 17105-3608 |                      |
|                                                                                       |                                        | CHK:<br>G. SKIPPER<br>13JUL05   |                                                                                                                                                 |                      |
| DIMENSIONS:<br>mm                                                                     | TOLERANCES UNLESS OTHERWISE SPECIFIED: | APP'D:<br>G. SKIPPER<br>13JUL05 | NAME                                                                                                                                            |                      |
|  | 0-PLG ±                                | PRODUCT SPEC                    | MALE ASSEMBLY, Z-PACK 2mm HM,<br>TYPE E                                                                                                         |                      |
|                                                                                       | 1-PLG ± 0.1                            | 108-1622                        |                                                                                                                                                 |                      |
|                                                                                       | 2-PLG ±                                | APPLICATION SPEC                | SIZE CAGE CODE DRAWING NO RESTRICTED TO                                                                                                         |                      |
|                                                                                       | 4-PLG ±                                | 114-19029                       |                                                                                                                                                 |                      |
|                                                                                       | MATERIAL:<br>SEE SHEET 1               | FINISH:<br>SEE SHEET 1          | WEIGHT:<br>—                                                                                                                                    | A1 00779 C=5646373 — |
|                                                                                       |                                        | CUSTOMER DRAWING                | SCALE 4:1 SHEET 2 OF 2 REV B                                                                                                                    |                      |