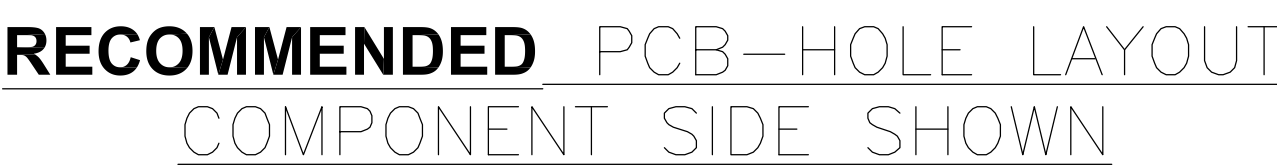
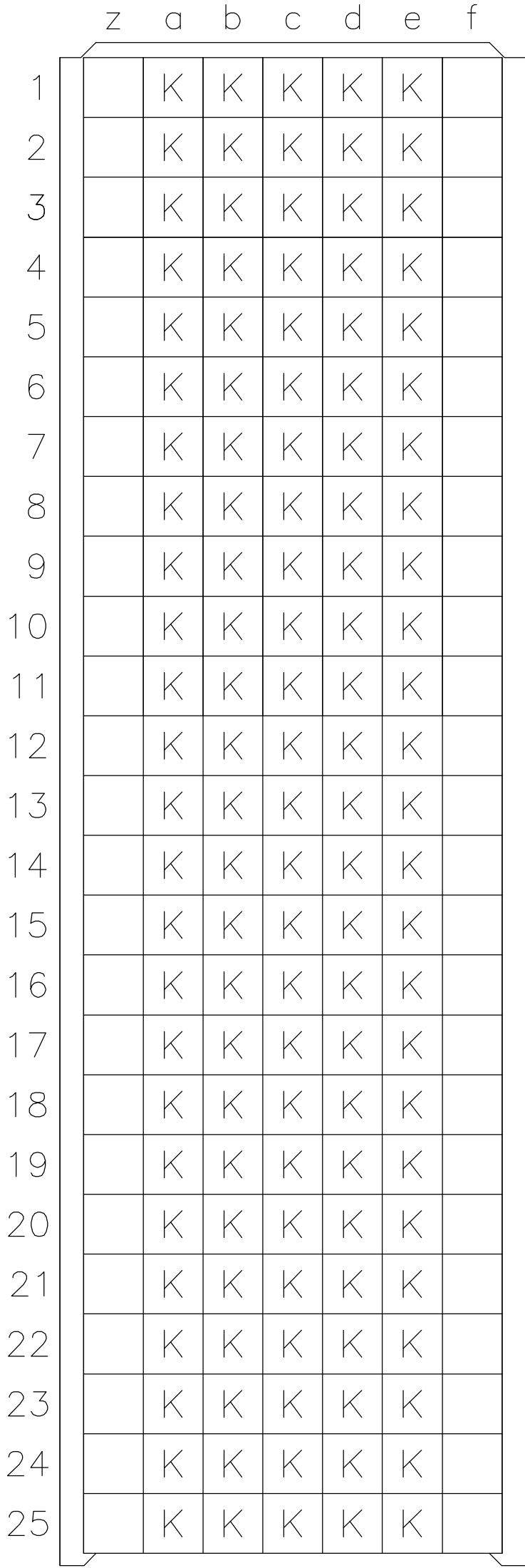


## CONTACT DIMENSIONS

SCALE 5:1

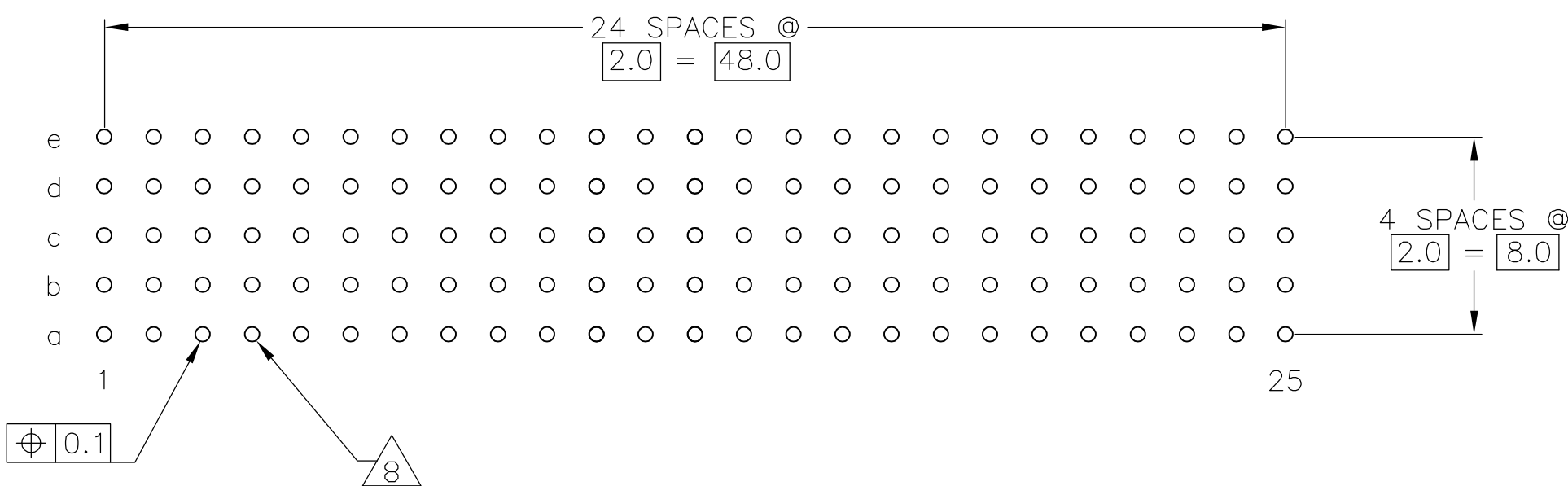
Technical drawing of a connector pin assembly. The drawing shows a side view of a pin with a central body and a contact tip. Key dimensions and labels include:

- 13.0 REF**: Dimension from the left end of the pin to the center of the contact tip.
- 8.2<sup>+0.10</sup><sub>-0.20</sub>**: Dimension from the center of the contact tip to the right end of the pin.
- CONTACT AREA**: Label for the contact tip.
- ACTION PIN AREA**: Label for the central body of the pin.
- REF LINE**: Label for the reference line.
- SEATING PLANE CONNECTOR**: Label for the seating plane of the connector.
- (K)**: A circular feature, likely a hole or a pin, located near the contact tip.

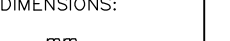


### PLATED THRU HOLES PARAMETERS

## REFERENCE APPLICATION SPECIFICATION



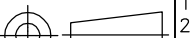
|                                                                                       |             |
|---------------------------------------------------------------------------------------|-------------|
|  | 1-5106165-9 |
|  | 5106165-9   |
|  | 5106165-4   |
|  | 5106165-1   |
| FINISH                                                                                | PART NUMBER |

|                                                                                                 |                                                                                                |                                         |           |                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                          |                                                                                                | DWN: B.CARBO                            | 24/JAN/05 | <br>Tyco Electronics Corporation<br>Harrisburg, Pa 17105-3608 |
|                                                                                                 |                                                                                                | CHK: G.SKIPPER                          | 24/JAN/05 |                                                                                                                                                    |
| DIMENSIONS:                                                                                     |                                                                                                | TOLERANCES, UNLESS OTHERWISE SPECIFIED: |           | NAME: MALE ASSEMBLY, Z-PACK 2mm HM, TYPE B<br><br>PRODUCT SPEC: 108-19082<br>APPLICATION SPEC: 114-19029<br>WEIGHT: —                              |
| mm                                                                                              | 0 P/LC ± ±<br>1 P/LC ± ± 0.1<br>2 P/LC ± ±<br>3 P/LC ± ±<br>4 P/LC ± ±<br>ANGLES ± ±<br>FINISH | MFG: G.SKIPPER<br>24/JAN/05             |           |                                                                                                                                                    |
|            |                                                                                                | SIZE: 114-19029<br>WEIGHT: —            |           |                                                                                                                                                    |
| MATERIAL:  |                                                                                                | SEE TABLE                               |           |                                                                                                                                                    |
|                                                                                                 |                                                                                                | CUSTOMER DRAWING: A1                    |           |                                                                                                                                                    |
|                                                                                                 |                                                                                                | SCALE: 4:1<br>SHEET: 1 of 2<br>REV: A   |           | DRAWING NO: 00779<br>RESTRICTED TO: —                                                                                                              |

|                                                                     |                          |         |
|---------------------------------------------------------------------|--------------------------|---------|
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|     |      |           |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| LOC | DIST | REVISIONS |     |             |      |     |      |
| AD  | 00   | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      |           | —   | SEE SHEET 1 | —    | —   | —    |

- 1 MATERIAL:  
CONTACT: PHOSPHOR BRONZE.  
HOUSING: GLASS-FILLED POLYESTER.
- 2 GENERAL PLATING SPECIFICATION: UNDERPLATING  
(ENTIRE CONTACT): 1.27 $\mu$ m MIN NICKEL AND ACTION  
PIN: 0.5 $\mu$ m 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   | 24JAN05 | <b>tyco</b><br><i>Electronics</i>       |            | Tyco Electronics Corporation<br>Harrisburg, Pa 17105-3608 |       |
| DIMENSIONS:<br>mm                                                                     |           | TOLERANCES UNLESS OTHERWISE SPECIFIED:                             |        | CNH<br>G SKIPPER | 24JAN05 | NAME             |         | MALE ASSEMBLY, Z-PACK 2mm HM,<br>TYPE B |            |                                                           |       |
|  |           | 0 PLC ± -<br>1 PLC ± 0.1<br>2 PLC ± -<br>3 PLC ± -<br>ANGLES ± ± - |        | APR<br>G SKIPPER |         | PRODUCT SPEC     |         |                                         |            |                                                           |       |
|                                                                                       |           |                                                                    |        | 108-19082        |         | APPLICATION SPEC |         |                                         |            |                                                           |       |
|                                                                                       |           |                                                                    |        | 114-19029        |         | SIZE             |         | CAGE CODE                               | DRAWING NO | RESTRICTED TO                                             |       |
| MATERIAL                                                                              | SEE SHEET | FINISH                                                             | WEIGHT | -                |         | A1               |         | 00779                                   | C=5106165  | -                                                         |       |
| CUSTOMER DRAWING                                                                      |           |                                                                    |        |                  |         | SCALE            |         | 4:1                                     | SHEET      | 2 OF 2                                                    | REV A |

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

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<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

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.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### 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)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9