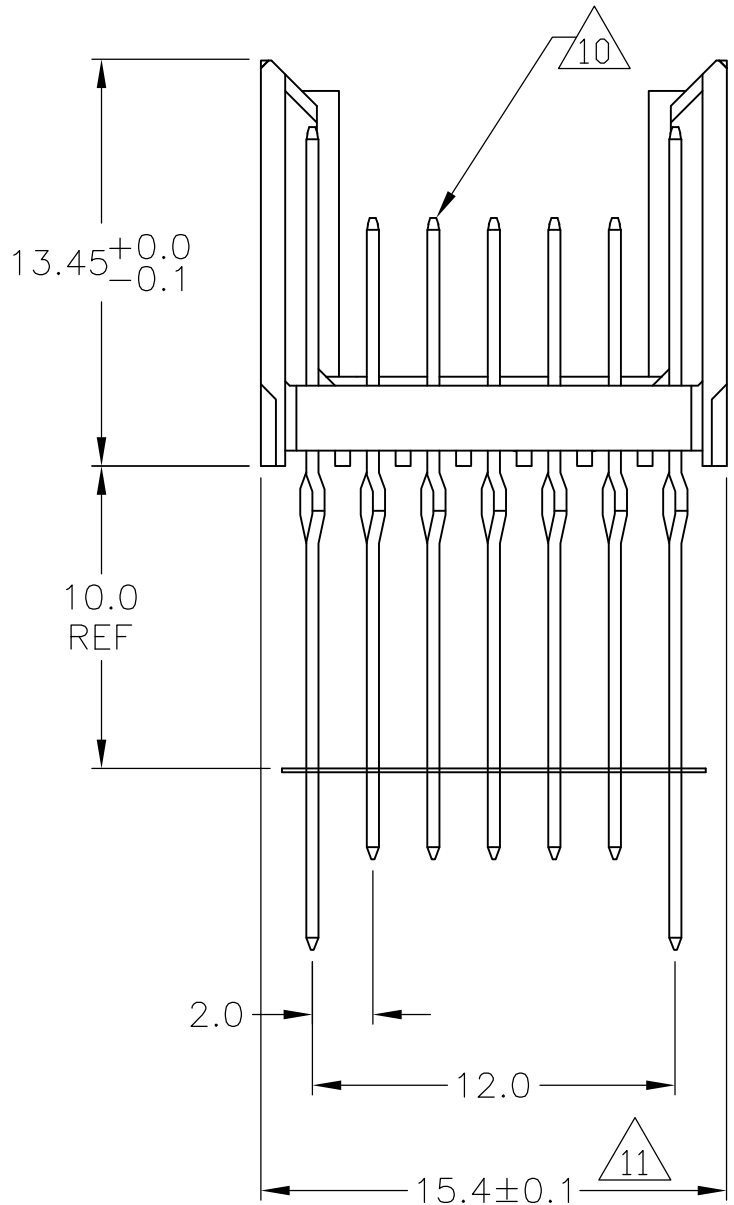
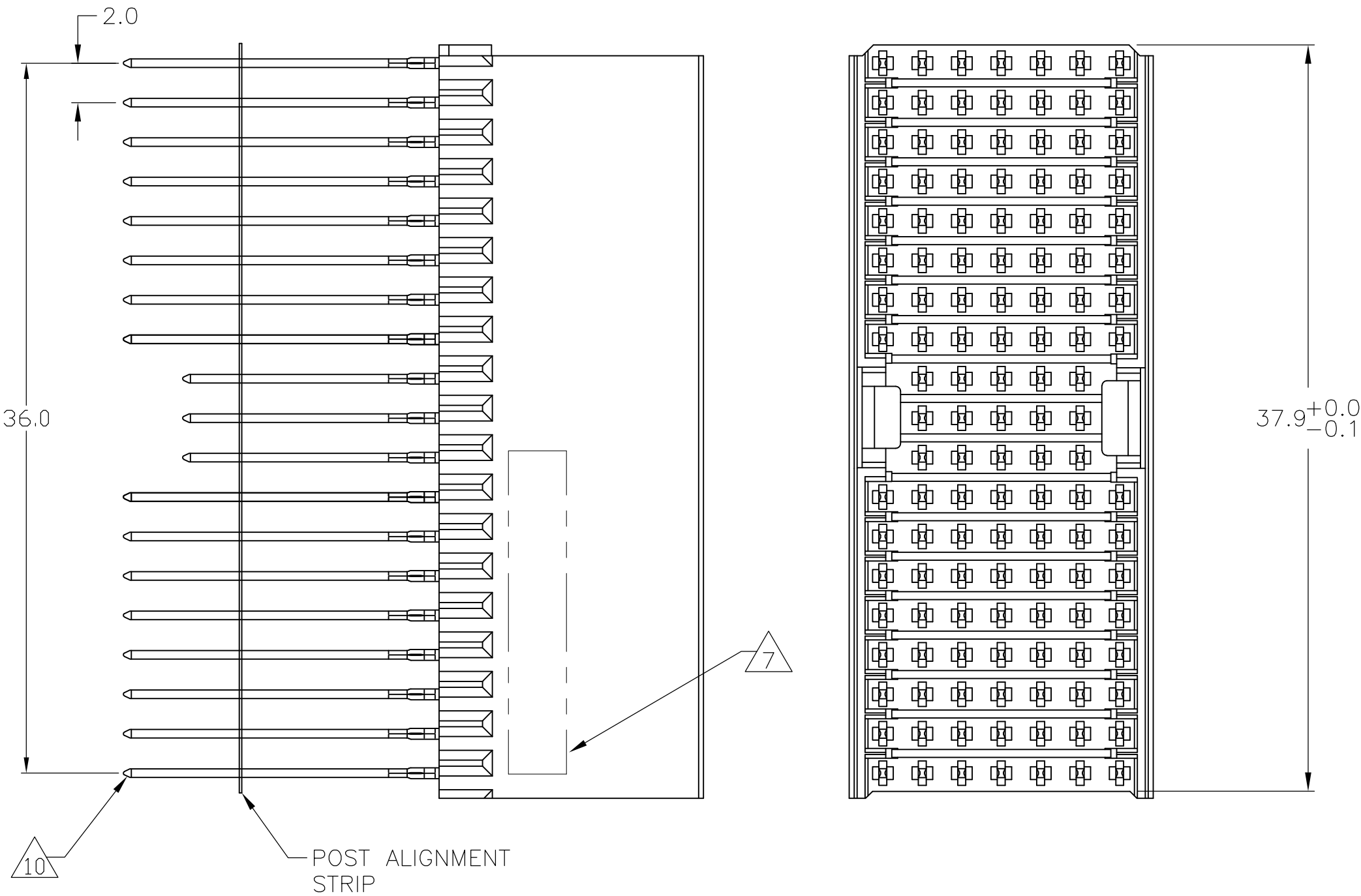
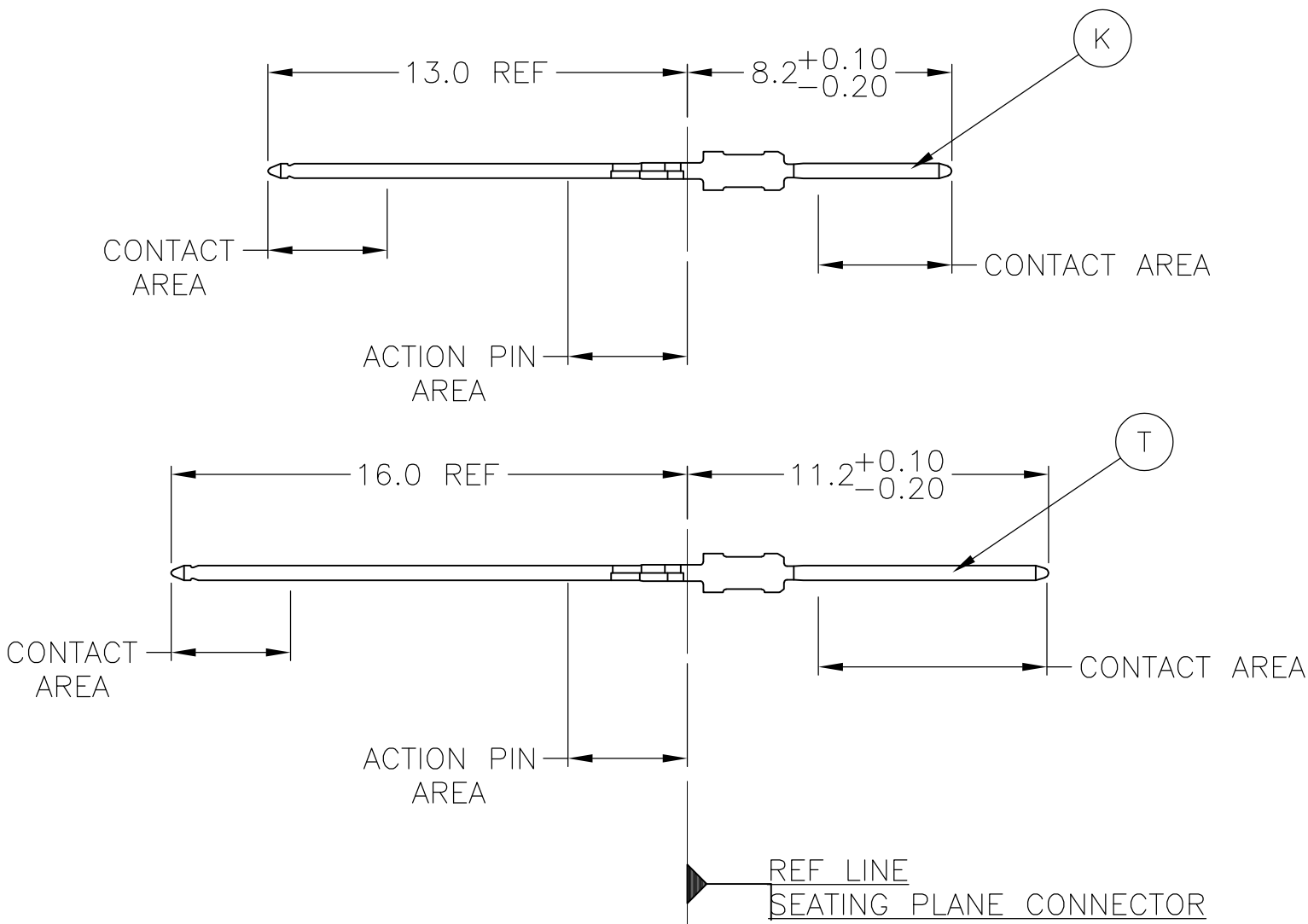


| LOC | DIST | REVISIONS |         |     |     |     |
|-----|------|-----------|---------|-----|-----|-----|
| AD  | 00   | REV       | DATE    | BY  | CHK | APP |
|     |      | B         | 27APR06 | JDP | GES |     |
|     |      | B1        | 06OCT09 | KK  | AEG |     |

CONNECTOR ASSEMBLY  
EXAMPLARY LOADED



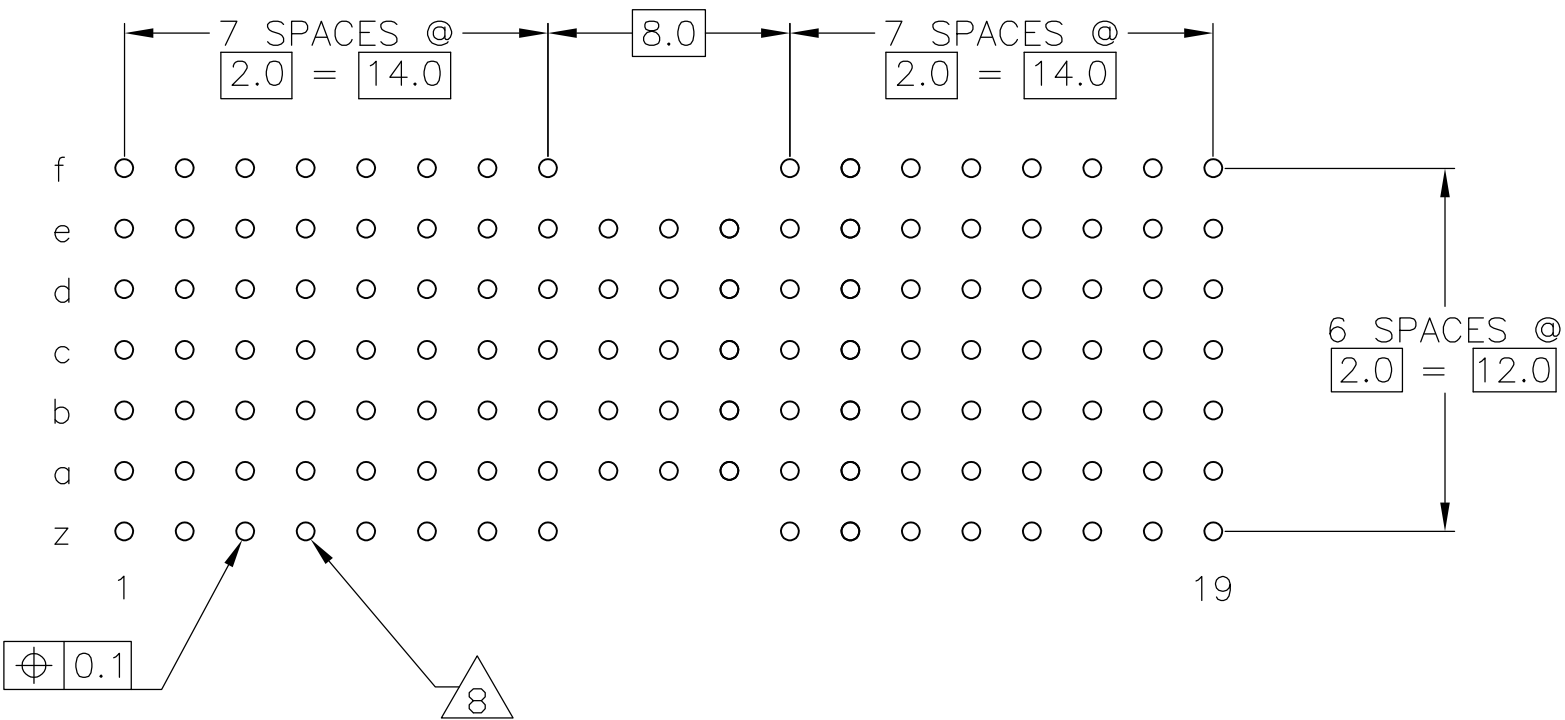
CONTACT DIMENSIONS  
SCALE 5:1



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  |   | K | K | K | K | K |   |
| 10 |   | K | K | K | K | K |   |
| 11 |   | K | K | K | K | K |   |
| 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 |

RECOMMENDED PCB-HOLE LAYOUT  
COMPONENT SIDE SHOWN



PLATED THRU HOLES PARAMETERS  
REFERENCE APPLICATION SPECIFICATION

|    |          |    |             |
|----|----------|----|-------------|
| 2  | 6        | 12 | 1-646732-9  |
| 2  | 5        | 12 | 646732-9    |
| 2  | 4        |    | 646732-4    |
| 2  | 3        |    | 646732-1    |
| 13 | OBsolete |    |             |
|    | FINISH   |    | PART NUMBER |

|                                        |  |                  |         |                                        |  |
|----------------------------------------|--|------------------|---------|----------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN B CARBO      | OBSEPOS | Tyco Electronics Corporation           |  |
|                                        |  | CHK G SKIPPER    | OBSEPOS | Harriaburg, Pa 17105-3608              |  |
| DIMENSIONS: mm                         |  | APVD G SKIPPER   | OBSEPOS | NAME                                   |  |
|                                        |  | PRODUCT SPEC     |         | MALE ASSEMBLY, Z-PACK 2mm HM, TYPE A/B |  |
|                                        |  | 108-19082        |         |                                        |  |
|                                        |  | APPLICATION SPEC |         |                                        |  |
|                                        |  | 114-19029        |         |                                        |  |
| MATERIAL 1                             |  | WEIGHT           |         | A100779C=646732                        |  |
|                                        |  | SEE TABLE        |         |                                        |  |
|                                        |  | CUSTOMER DRAWING |         | SCALE 4:1 SHEET 1 OF 2 REV B1          |  |

8

7

6

5

4

3

2

1

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

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LOC

DIST

REVISONS

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): 1.27µm 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.

13

OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN  
B CARBO

CHK  
G SKIPPER

APVD  
G SKIPPER

DIMENSIONS:  
mm

0 PLC ± -

1 PLC ± 0.1

2 PLC ± -

3 PLC ± -

4 PLC ± -

ANGLES ± ± -

MATERIAL  
SEE SHEET 1

FINISH  
SEE SHEET 1

WEIGHT  
—

CUSTOMER DRAWING

DWN  
B CARBO

CHK  
G SKIPPER

APVD  
G SKIPPER

NAME  
MALE ASSEMBLY, Z-PACK 2mm HM,  
TYPE A/B

SIZE  
A1

CAGE CODE  
00779

DRAWING NO  
646732

RESTRICTED TO  
—

SCALE  
4:1

SHEET  
2

OF  
2

REV  
B1

Tyco  
Electronics

Tyco Electronics Corporation  
Harrisburg, Pa 17105-3608

AMP 4805 REV 31MAR2000