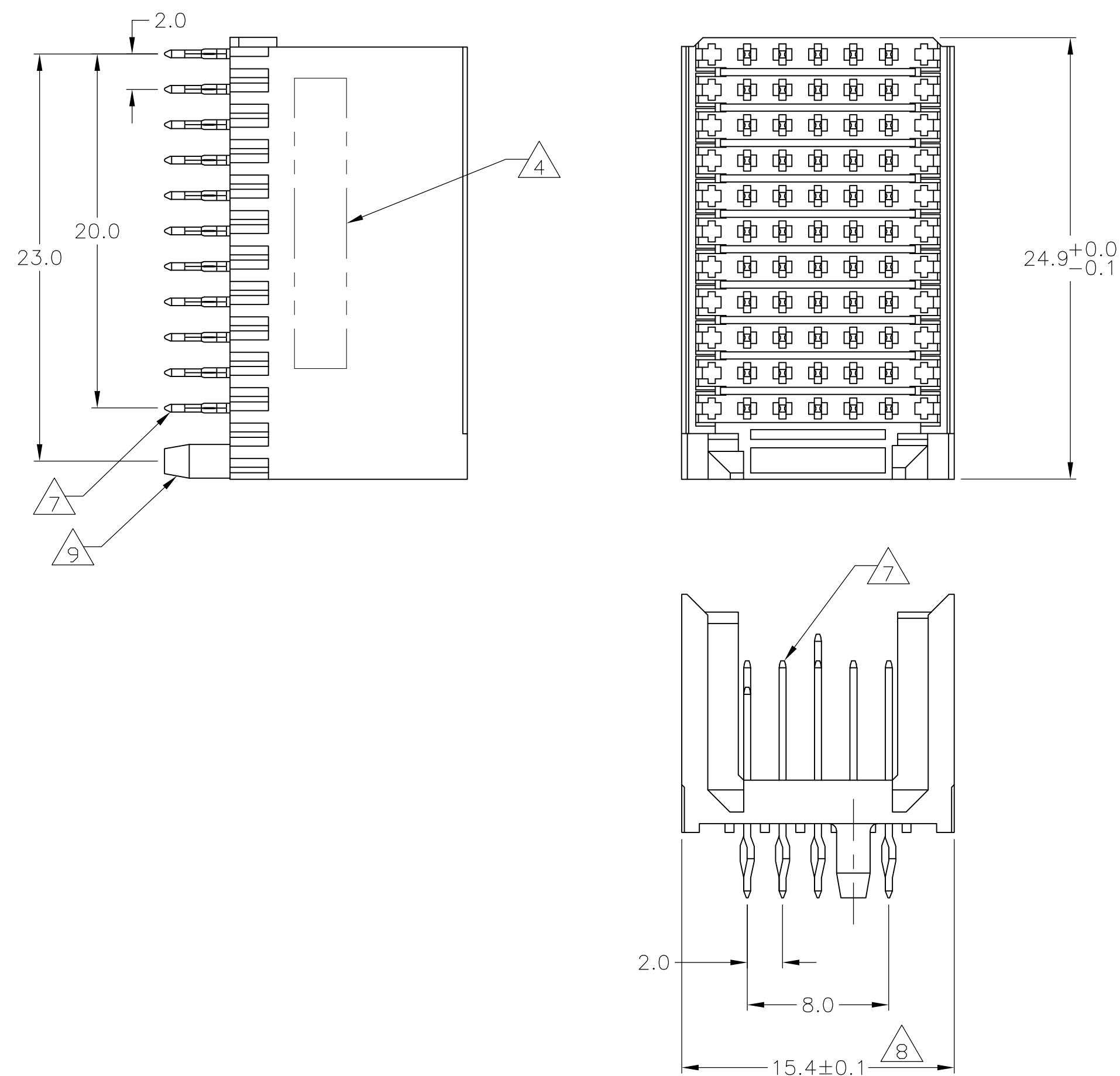


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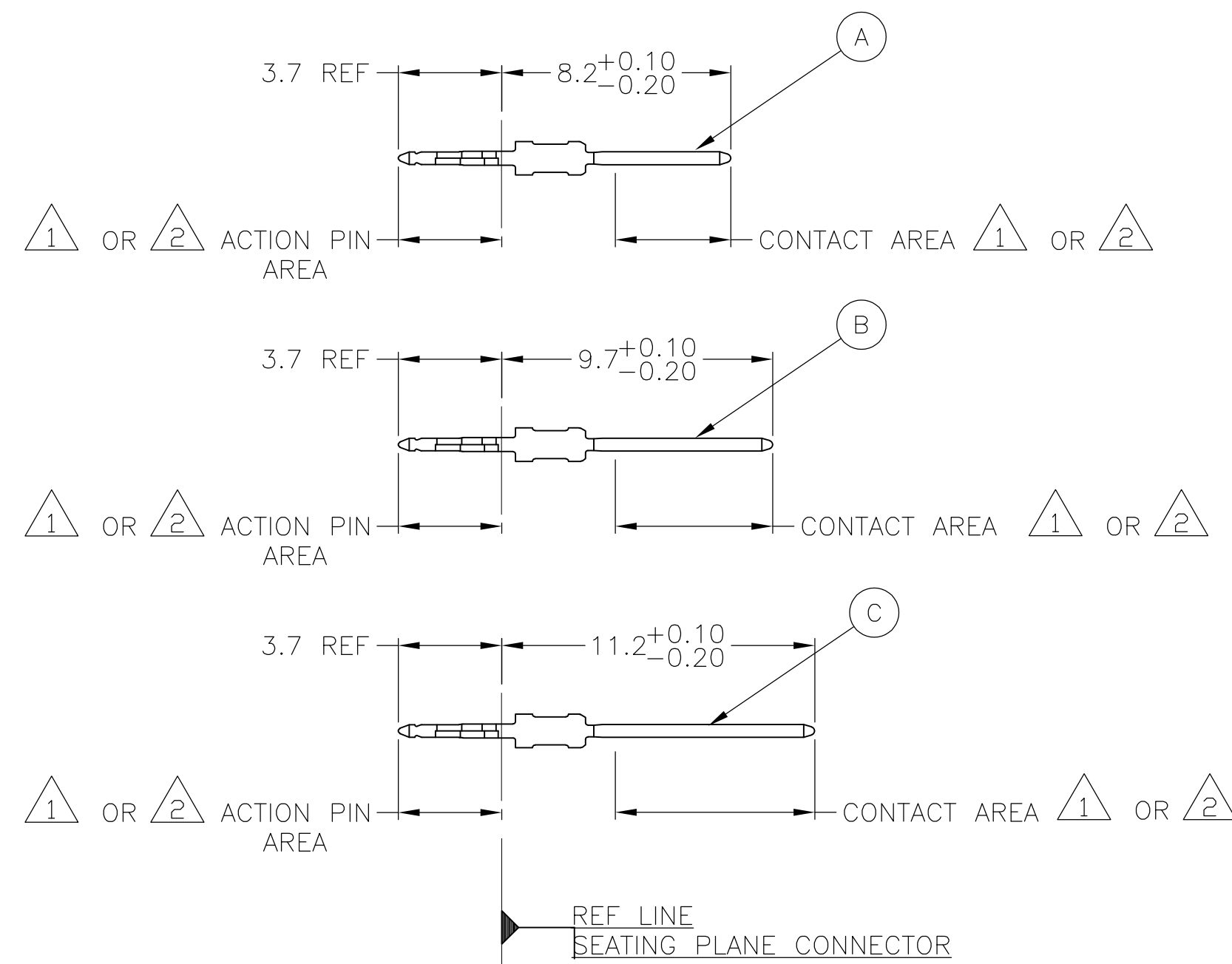
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## CONNECTOR ASSEMBLY EXEMPLARY LOADED



## CONTACT DIMENSIONS

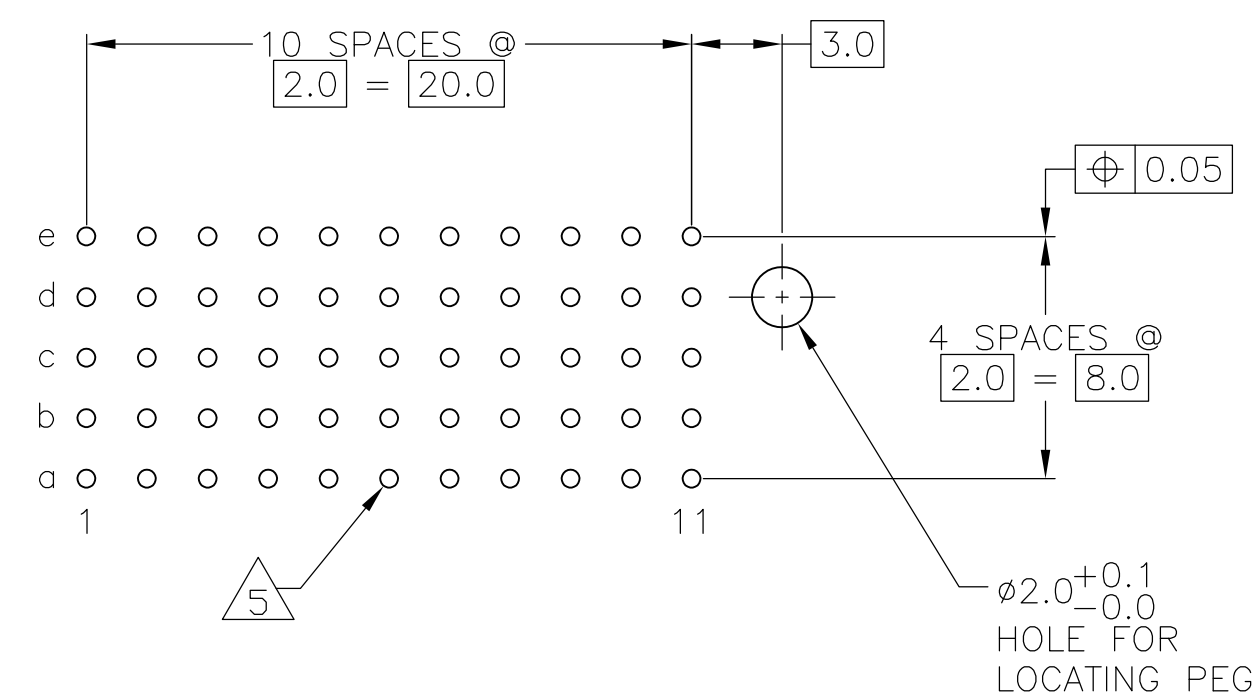
SCALE 5:1



## CONTACT LAYOUT

|         | z | a | b | c | d | e | f |
|---------|---|---|---|---|---|---|---|
| 1       |   | A | B | B | B | B |   |
| 2       |   | B | B | B | B | B |   |
| 3       |   | B | B | B | B | B |   |
| 4       |   | B | B | B | B | B |   |
| 5       |   | B | B | B | B | B |   |
| 6       |   | B | B | B | B | B |   |
| 7       |   | B | B | B | B | B |   |
| 8       |   | B | B | B | B | B |   |
| 9       |   | B | B | C | B | B |   |
| 10      |   | B | B | B | B | B |   |
| 11      |   | A | B | B | B | B |   |
| GUIDING |   |   |   |   |   |   |   |

**RECOMMENDED** PCB-HOLE LAYOUT  
COMPONENT SIDE SHOWN



### PLATED THRU HOLES PARAMETERS

## REFERENCE APPLICATION SPECIFICATION

- ② CONTACT FINISH:  
CONTACT AREA: 0.8μm MIN GOLD PER ASTM B488 OVER 1.3μm  
MIN NICKEL PER SAE-AMS-QQ-N-290.  
ACTION PIN: 0.5μm MIN TIN PER ASTM B545 OVER 1.3μm MIN NICKEL  
PER SAE-AMS-QQ-N-290.
- ③ MATERIAL:  
CONTACT: PHOSPHOR BRONZE.  
HOUSING: GLASS-FILLED POLYESTER.
- ④ 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.
- ⑤ PLATED-THROUGH HOLES AT 2x2mm SQUARE GRID  
PATTERN DEFINED BY CONTACT LAYOUT.
- ⑥ FOR ACTUAL PIN LOADING SEE "CONTACT LAYOUT".
- ⑦ FOR ACTUAL PIN DIMENSIONS SEE "CONTACT DIMENSIONS".
- ⑧ TO BE MEASURED AT BOTTOM OF SHROUD.
- ⑨ LOCATION PEG.

|                                                                                                   |  |                                                                                                                                    |  |                                                                                                                                                 |  |
|---------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                            |  | OWN<br>B-CARBO 24FEB05<br>CHN<br>G.SKIPPER 24FEB05<br>APVD<br>G.SKIPPER 24FEB05                                                    |  |  Tyco Electronics Corporation<br>Harrisburg, PA 17105-3608 |  |
| DIMENSIONS:<br>mm                                                                                 |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0-PLC ± —<br>1-PLC ± 0.2<br>2-PLC ± 0.02<br>3-PLC ± 0.005<br>4-PLC ± —<br>ANGLES ± 0.30° |  | NAME<br>MALE ASSEMBLY, Z-PACK 2mm HM,<br>TYPE C                                                                                                 |  |
|              |  | PRODUCT SPEC<br>108-19082<br>APPLICATION SPEC<br>114-19029                                                                         |  | SIZE<br>CAGE CODE<br>DRAWING NO<br>A1 00779 C-6645262                                                                                           |  |
| MATERIAL<br> |  | FINISH<br>SEE TABLE                                                                                                                |  | RESTRICTED TO                                                                                                                                   |  |
| CUSTOMER DRAWING                                                                                  |  |                                                                                                                                    |  |                                                                                                                                                 |  |
|                                                                                                   |  | SCALE 4:1                                                                                                                          |  | SHEET 1 OF 1                                                                                                                                    |  |
|                                                                                                   |  |                                                                                                                                    |  | REV A                                                                                                                                           |  |