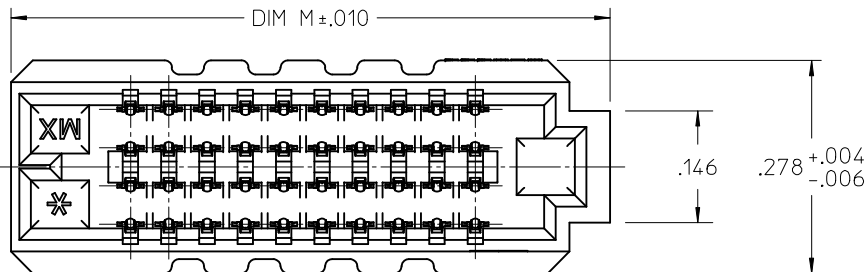


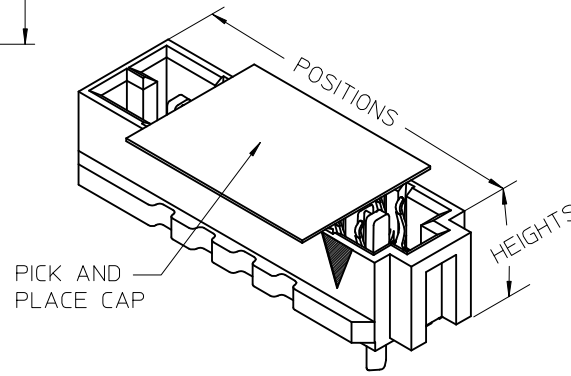
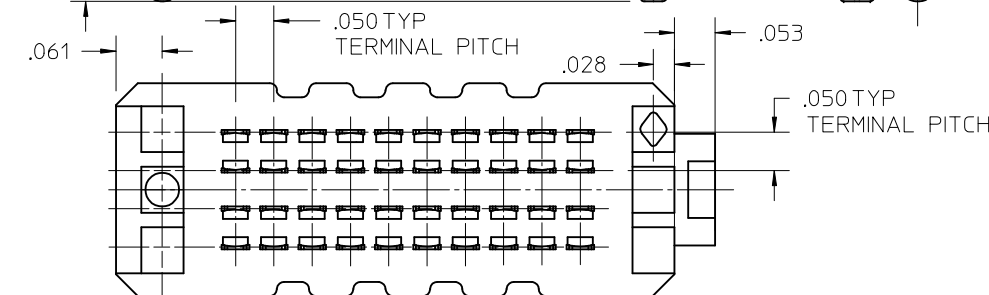
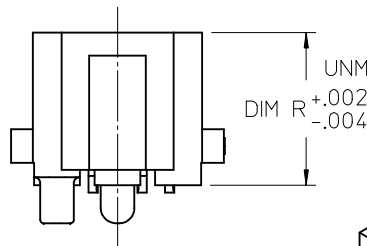
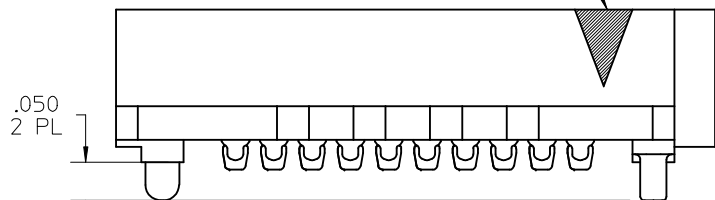
.006 ACROSS ALL  
SOLDER CHARGES

LEAD CODE  
1 = TIN  
2 = TIN/LEAD

DATE CODE



ROW 1 / CKT 1 ID



| POSITION | DIM M |      |
|----------|-------|------|
| 10       | .782  | .006 |
| 15       | 1.032 | .006 |
| 20       | 1.282 | .006 |
| 25       | 1.532 | .006 |
| 30       | 1.782 | .006 |
| 35       | 2.032 | .006 |
| 40       | 2.282 | .006 |
| 45       | 2.532 | .009 |
| 50       | 2.782 | .009 |

| UPDT PKG SPEC IN NOTES |              | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE INCH ONLY | SCALE 4:1 | DESIGN UNITS INCH | THIRD ANGLE PROJECTION |
|------------------------|--------------|-----------------|---------------------------------------|---------------------------|-----------|-------------------|------------------------|
| EC NO:                 | UCP2013-1396 |                 |                                       |                           |           |                   |                        |
| DRWN:                  | TIBARRA      | 2012/10/09      |                                       |                           |           |                   |                        |
| CHKD:                  | BBARKER      | 2012/10/09      |                                       |                           |           |                   |                        |
| APPR:                  | SMILLER      | 2012/10/16      |                                       |                           |           |                   |                        |
| REV                    | M            |                 |                                       |                           |           |                   |                        |

| GENERAL TOLERANCES (UNLESS SPECIFIED)                |       | DIMENSION STYLE INCH ONLY | SCALE 4:1 | DESIGN UNITS INCH | THIRD ANGLE PROJECTION |
|------------------------------------------------------|-------|---------------------------|-----------|-------------------|------------------------|
|                                                      |       |                           |           |                   |                        |
| 4 PLACES                                             | ± --- | ± ---                     |           |                   |                        |
| 3 PLACES                                             | ± --- | ± .005                    |           |                   |                        |
| 2 PLACES                                             | ± --- | ± ---                     |           |                   |                        |
| 1 PLACE                                              | ± --- | ± ---                     |           |                   |                        |
| 0 PLACE                                              | ±     | ±                         |           |                   |                        |
| ANGULAR ± ---°                                       |       |                           |           |                   |                        |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |       |                           |           |                   |                        |

| DIMENSION STYLE INCH ONLY |            | SCALE 4:1 | DESIGN UNITS INCH | THIRD ANGLE PROJECTION |
|---------------------------|------------|-----------|-------------------|------------------------|
| DRAWN BY                  | DATE       |           |                   |                        |
| TGREGORI                  | 2007/05/21 |           |                   |                        |
| CHECKED BY                | DATE       |           |                   |                        |
| JCOMERCI                  | 2007/05/21 |           |                   |                        |
| APPROVED BY               | DATE       |           |                   |                        |
| JCOMERCI                  | 2010/03/05 |           |                   |                        |
| MATERIAL NO.              |            |           |                   |                        |
| SEE TABLE                 |            |           |                   |                        |
| SIZE                      |            |           |                   |                        |
| A                         |            |           |                   |                        |

|                                                                                                                     |  |                      |                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------|--|----------------------|-----------------------------------------------------------------------------------------------------------------|
| SCALE<br>4:1                                                                                                        |  | DESIGN UNITS<br>INCH |  THIRD ANGLE<br>PROJECTION |
| TITLE<br>SEARAY SLIM<br>RECEPTACLE ASSEMBLY<br>.050 PITCH                                                           |  |                      |                                                                                                                 |
| <b>molex</b>                                                                                                        |  |                      |                                                                                                                 |
| DOCUMENT NO.<br>SD-46557-001                                                                                        |  |                      | SHEET NO.<br>1 OF 4                                                                                             |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                      |                                                                                                                 |

- NOTES:
1. MATERIALS: HOUSING- LCP, UL94V-0, BLACK  
CONTACTS- COPPER ALLOY  
SOLDER CHARGE: SEE CHART
  2. FINISH: SELECT GOLD IN CONTACT AREA: 30 MI MIN  
SELECT TIN IN TAIL, 50 MI MIN  
OVERALL NICKEL
  3. PRODUCT SPECIFICATION: PS-45970-001
  4. PACKAGING SPECIFICATION: PK-45971-002
  5. MATES WITH SEARAY SLIM PLUG ASSY 46556
  6. APPLICATION SPECIFICATION: AS-45970-001
  7. COSMETIC SPECIFICATION: PS-45499-002 CLASS B
  8. PART STATUS: CONTACT MOLEX



|                                                                                                                                                                              |            |                                       |  |                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |             |    |             |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------------------------|--|----------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------|----|-------------|----------|----------------------------------------|-------|----------|-------|--------|----------|-------|-------|---------|-------|-------|---------|---|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|------|----------|------------|------------|------|----------|------------|-------------|------|----------|------------|---------------------------------|--|-----------------------------------------|--|-----------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 6                                                                                                                                                                            |            | 5                                     |  | 4                                                                          |  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | 2           |    | 1           |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| DIM R: (REF)                                                                                                                                                                 |            | 5.0 MM                                |  | 6.0 MM                                                                     |  | 6.5 MM                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | 7.5 MM      |    | 8.0 MM      |          | STACK HEIGHTS GIVEN IN MM FOR REF ONLY |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| DIM R: HOUSING HEIGHT                                                                                                                                                        |            | .199                                  |  | .238                                                                       |  | .258                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | .297        |    | .317        |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| POSITIONS                                                                                                                                                                    |            | MATERIAL NO                           |  | MATERIAL NO                                                                |  | MATERIAL NO                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | MATERIAL NO |    | MATERIAL NO |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| 10                                                                                                                                                                           |            | 46557-1145                            |  | 46557-1245                                                                 |  | 46557-1345                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | 46557-1445  |    | 46557-1545  |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| 20                                                                                                                                                                           |            | 46557-2145                            |  | 46557-2245                                                                 |  | 46557-2345                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | 46557-2445  |    | 46557-2545  |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| 30                                                                                                                                                                           |            | 46557-3145                            |  | 46557-3245                                                                 |  | 46557-3345                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | 46557-3445  |    | 46557-3545  |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| 40                                                                                                                                                                           |            | 46557-4145                            |  | 46557-4245                                                                 |  | 46557-4345                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | 46557-4445  |    | 46557-4545  |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| 50                                                                                                                                                                           |            | 46557-5145                            |  | 46557-5245                                                                 |  | 46557-5345                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | 46557-5445  |    | 46557-5545  |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| 15                                                                                                                                                                           |            | 46557-6145                            |  | 46557-6245                                                                 |  | 46557-6345                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | 46557-6445  |    | 46557-6545  |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| 25                                                                                                                                                                           |            | 46557-7145                            |  | 46557-7245                                                                 |  | 46557-7345                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | 46557-7445  |    | 46557-7545  |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| 35                                                                                                                                                                           |            | 46557-8145                            |  | 46557-8245                                                                 |  | 46557-8345                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | 46557-8445  |    | 46557-8545  |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| 45                                                                                                                                                                           |            | 46557-9145                            |  | 46557-9245                                                                 |  | 46557-9345                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | 46557-9445  |    | 46557-9545  |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| <div>NOTES:</div> <div>1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS</div> <div>SOLDER CHARGE: TIN, 95.5/ Ag 3.8/ Cu 0.7</div>                                                |            |                                       |  |                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |             |    |             |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| <div>SEE SHEET 1</div> <div>EC NO: UCP2013-1396</div> <div>DRWN:TIBARRA 2012/10/09</div> <div>CH'KD:BBARKER 2012/10/09</div> <div>APPR:SMILLER 2012/10/16</div> <div>M</div> |            | <div>DESCRIPTION</div> <div>REV</div> |  | <div>QUALITY SYMBOLS</div> <div>FA=0</div> <div>FE=0</div> <div>FF=0</div> |  | <div>GENERAL TOLERANCES (UNLESS SPECIFIED)</div> <table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± .005</td></tr><tr><td>2 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td></tr><tr><td>0 PLACE</td><td>±</td><td>±</td></tr></table> <div>ANGULAR ±---°</div> <div>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</div> |  |             | mm | INCH        | 4 PLACES | ± ---                                  | ± --- | 3 PLACES | ± --- | ± .005 | 2 PLACES | ± --- | ± --- | 1 PLACE | ± --- | ± --- | 0 PLACE | ± | ± | <div>DIMENSION STYLE</div> <div>INCH ONLY</div> <table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>TGREGORI</td><td>2007/05/21</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>JCOMERCI</td><td>2007/05/21</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>JCOMERCI</td><td>2010/03/05</td></tr></table> <div>MATERIAL NO.</div> <div>SEE TABLE</div> <div>SIZE A</div> <div>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</div> |  | DRAWN BY | DATE | TGREGORI | 2007/05/21 | CHECKED BY | DATE | JCOMERCI | 2007/05/21 | APPROVED BY | DATE | JCOMERCI | 2010/03/05 | <div>SCALE</div> <div>1:1</div> |  | <div>DESIGN UNITS</div> <div>INCH</div> |  | <div>THIRD ANGLE PROJECTION</div> |  | <div>TITLE</div> <div>SEARAY SLIM RECEPTACLE ASSEMBLY .050 PITCH</div> <div>molex</div> <div>DOCUMENT NO.</div> <div>SD-46557-001</div> <div>SHEET NO.</div> <div>3 OF 4</div> |  |
|                                                                                                                                                                              | mm         | INCH                                  |  |                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |             |    |             |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| 4 PLACES                                                                                                                                                                     | ± ---      | ± ---                                 |  |                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |             |    |             |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| 3 PLACES                                                                                                                                                                     | ± ---      | ± .005                                |  |                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |             |    |             |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| 2 PLACES                                                                                                                                                                     | ± ---      | ± ---                                 |  |                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |             |    |             |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| 1 PLACE                                                                                                                                                                      | ± ---      | ± ---                                 |  |                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |             |    |             |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| 0 PLACE                                                                                                                                                                      | ±          | ±                                     |  |                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |             |    |             |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| DRAWN BY                                                                                                                                                                     | DATE       |                                       |  |                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |             |    |             |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| TGREGORI                                                                                                                                                                     | 2007/05/21 |                                       |  |                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |             |    |             |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| CHECKED BY                                                                                                                                                                   | DATE       |                                       |  |                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |             |    |             |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| JCOMERCI                                                                                                                                                                     | 2007/05/21 |                                       |  |                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |             |    |             |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| APPROVED BY                                                                                                                                                                  | DATE       |                                       |  |                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |             |    |             |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| JCOMERCI                                                                                                                                                                     | 2010/03/05 |                                       |  |                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |             |    |             |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |
| tb_frame_A_P_AM_T<br>Rev. G 2012/01/11                                                                                                                                       |            | 5                                     |  | 4                                                                          |  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | 2           |    | 1           |          |                                        |       |          |       |        |          |       |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |      |          |            |            |      |          |            |             |      |          |            |                                 |  |                                         |  |                                   |  |                                                                                                                                                                                |  |

