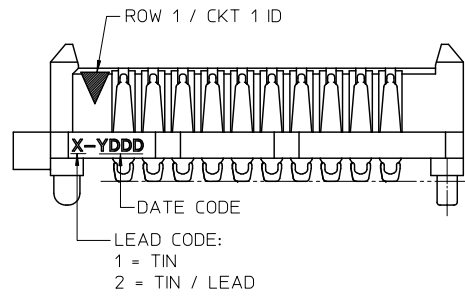
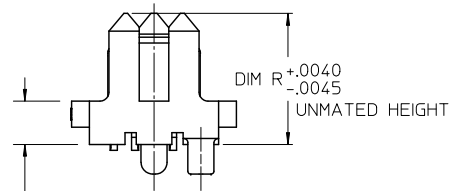


- NOTES:
- MATERIALS: HOUSING: LCP, UL94V-0, BLACK  
CONTACTS: COPPER ALLOY  
SOLDER CHARGE: SEE CHART
  - FINISH: ALL OPTIONS - SELECT GOLD IN CONTACT AREA: 30 MI MIN  
OPTIONS 2.0 & 2.5: SELECT GOLD FLASH IN TAIL, 7 MI MIN  
OPTIONS 3.0 THRU 7.0: SELECT TIN IN TAIL, 100 MI MIN  
ALL OPTIONS - OVER NICKEL
  - PRODUCT SPECIFICATION: PS-45970-001
  - PACKAGING SPECIFICATION: PK-45970-002
  - MATES WITH SEARAY RECPT ASSEMBLY 46557
  - APPLICATION SPECIFICATION: AS-45970-001
  - COSMETIC SPECIFICATION: PS-45499-002 CLASS B
  - PART STATUS: CONTACT MOLEX

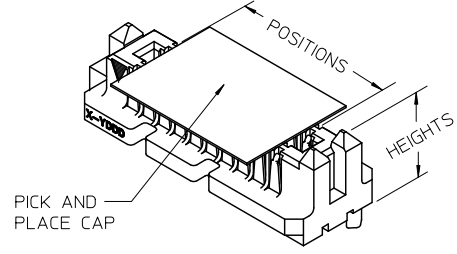
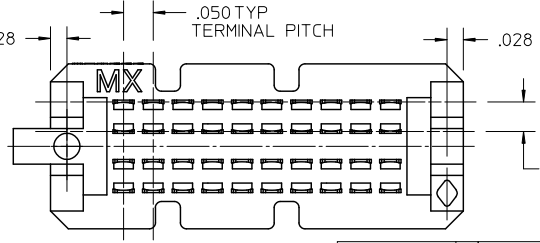


SEE TABLE  
ACROSS ALL  
SOLDER  
CHARGES



DIM P  
REF ONLY  
MATED STACK  
HEIGHT  
(MILLIMETERS)

| POSITIONS | DIM G | ⌒    |
|-----------|-------|------|
| 10        | .696  | .006 |
| 15        | .946  | .006 |
| 20        | 1.196 | .006 |
| 25        | 1.446 | .006 |
| 30        | 1.696 | .006 |
| 35        | 1.946 | .006 |
| 40        | 2.196 | .006 |
| 45        | 2.446 | .009 |
| 50        | 2.696 | .009 |



| REV | DESCRIPTION   |
|-----|---|
| 5   | ADDED SOLDER COMP<br>EC NO: UCP2011-2778<br>DRAWN: TGREGORI 2011/04/05<br>CHKD: JCOMERCI<br>APPR: JCOMERCI 2011/04/06 |

| GENERAL TOLERANCES (UNLESS SPECIFIED) |        |
|---------------------------------------|--------|
| mm                                    | INCH   |
| 4 PLACES ± .005                       | ± .005 |
| 3 PLACES ± .005                       | ± .005 |
| 2 PLACES ± .005                       | ± .005 |
| 1 PLACE ± .005                        | ± .005 |
| ANGULAR ± 1/2°                        |        |

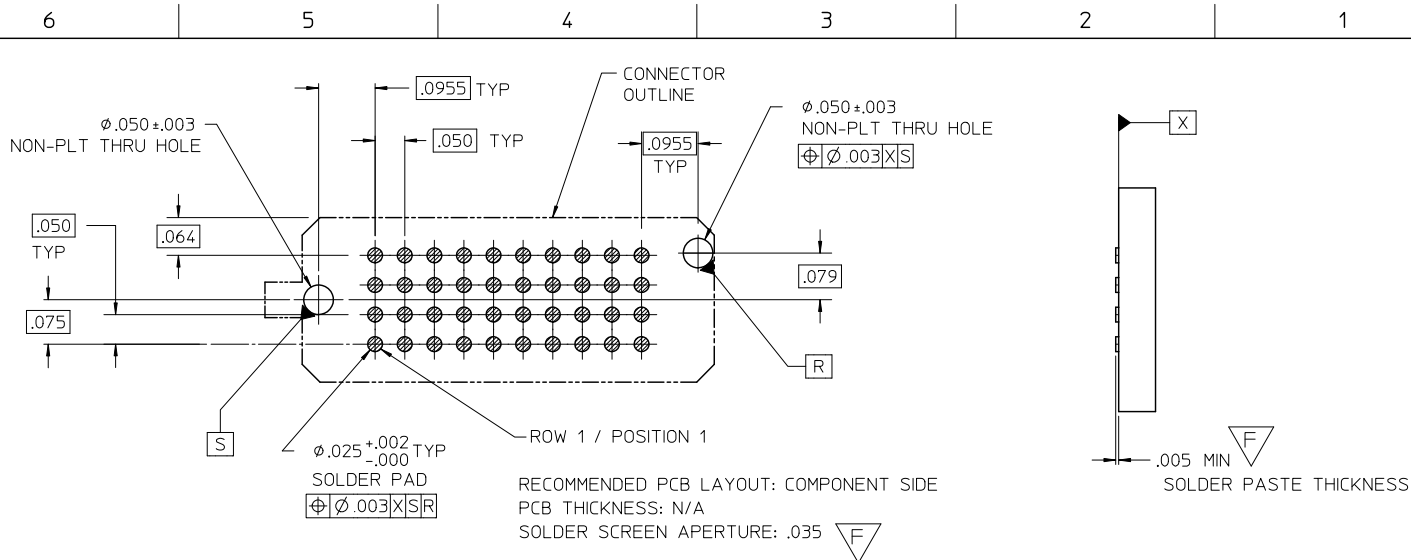
DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

| DIMENSION STYLE<br>INCH ONLY |            |
|------------------------------|------------|
| DRAWN BY                     | DATE       |
| TGREGORI                     | 2007/05/17 |
| CHECKED BY                   | DATE       |
| JCOMERCI                     | 2007/05/17 |
| APPROVED BY                  | DATE       |
| JCOMERCI                     | 2010/03/05 |
| MATERIAL NO.<br>SEE CHART    |            |

| SCALE                                      | DESIGN UNITS | THIRD ANGLE PROJECTION |
|--|--------------|------------------------|
| 4:1  | INCH         | ⊙                      |
| SEARAY SLIM<br>PLUG ASSEMBLY<br>.050 PITCH |              |                        |
| MOLEX INCORPORATED                         |              | SHEET NO.<br>1 OF 4    |
| DOCUMENT NO.<br>SD-46556-001               |              |                        |

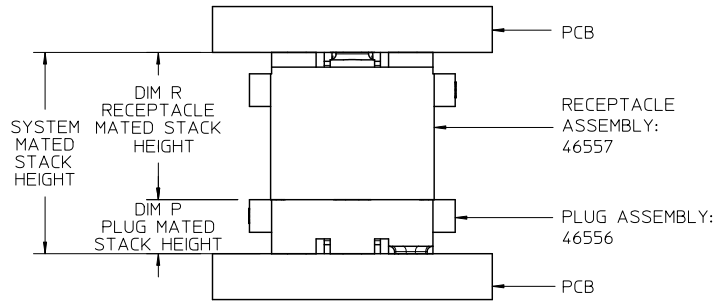
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SD\_PACKAGE: CM-46556-001



|                            |     | DIM R<br>RECEPTACLE STACK HEIGHT |      |      |      |      |      |
|----------------------------|-----|----------------------------------|------|------|------|------|------|
|                            |     | MM                               | 5.0  | 6.0  | 6.5  | 7.5  | 8.0  |
| DIM P<br>PLUG STACK HEIGHT | 2.0 | 7.0                              | 8.0  | 8.5  | 9.5  | 10.0 | 11.0 |
|                            | 3.0 | 8.0                              | 9.0  | 9.5  | 10.5 | 11.0 | 11.5 |
|                            | 3.5 | 8.5                              | 9.5  | 10.0 | 11.0 | 11.5 | 12.0 |
|                            | 2.5 | 7.5                              | 8.5  | 9.0  | 10.0 | 10.5 | 11.0 |
|                            | 4.5 | 9.5                              | 10.5 | 11.0 | 12.0 | 12.5 | 13.0 |
|                            | 5.0 | 10.0                             | 11.0 | 11.5 | 12.5 | 13.0 | 13.5 |
|                            | 7.0 | 12.0                             | 13.0 | 13.5 | 14.5 | 15.0 |      |

STACK HEIGHTS GIVEN IN MM FOR REF ONLY



|  |                                       |           |                              |   |                     |   |                        |  |
|--|---------------------------------------|-----------|------------------------------|---|---------------------|---|------------------------|--|
| SEE SHEET 1<br>EC NO: UCP2011-2778<br>DRWN: GREGORI 2011/04/05<br>CHKD:<br>APPR: JCOMERC I 2011/04/06<br>REV DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED) |           | DIMENSION STYLE<br>INCH ONLY |   | SCALE<br>4:1        | DESIGN UNITS<br>INCH  | THIRD ANGLE PROJECTION |  |
|  |                                       | mm        | INCH                         | DRAWN BY<br>TGREGORI  | DATE<br>2007/05/17  | SEARAY SLIM<br>PLUG ASSEMBLY<br>.050 PITCH                      |                        |  |
|  | 4 PLACES                              | ± .005    | ± .005                       | CHECKED BY<br>JCOMERC I   | DATE<br>2007/05/17  |   |                        |  |
|  | 3 PLACES                              | ± .005    | ± .005                       | APPROVED BY<br>JCOMERC I  | DATE<br>2010/03/05  | MOLEX INCORPORATED<br>MATERIAL NO. SD-46556-001<br>DOCUMENT NO. |                        |  |
|  | 2 PLACES                              | ± .005    | ± .005                       | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |                     |   |                        |  |
| 1 PLACE  | ± .005                                | ± .005    | SEE CHART                    |   | SHEET NO.<br>2 OF 4 |   |                        |  |
| ANGULAR ± 1/2°   |                                       | SIZE<br>A |                              | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                     |   |                        |  |

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|                              | 6           | 5           | 4           | 3           | 2           | 1           |             |
|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| DIM P                        | 2.0 MM      | 3.0 MM      | 3.5 MM      | 2.5 MM      | 4.5 MM      | 5.0 MM      | 7.0 MM      |
| DIM R:<br>HOUSING<br>HEIGHT: | .221        | .260        | .280        | .241        | .319        | .339        | .418        |
| POSITIONS                    | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO |
| 10                           | 46556-1145  | 46556-1245  | 46556-1345  | 46556-1445  | 46556-1545  | 46556-1645  | 46556-1745  |
| 20                           | 46556-2145  | 46556-2245  | 46556-2345  | 46556-2445  | 46556-2545  | 46556-2645  | 46556-2745  |
| 30                           | 46556-3145  | 46556-3245  | 46556-3345  | 46556-3445  | 46556-3545  | 46556-3645  | 46556-3745  |
| 40                           | 46556-4145  | 46556-4245  | 46556-4345  | 46556-4445  | 46556-4545  | 46556-4645  | 46556-4745  |
| 50                           | 46556-5145  | 46556-5245  | 46556-5345  | 46556-5445  | 46556-5545  | 46556-5645  | 46556-5745  |
| 15                           | 46556-6145  | 46556-6245  | 46556-6345  | 46556-6445  | 46556-6545  | 46556-6645  | 46556-6745  |
| 25                           | 46556-7145  | 46556-7245  | 46556-7345  | 46556-7445  | 46556-7545  | 46556-7645  | 46556-7745  |
| 35                           | 46556-8145  | 46556-8245  | 46556-8345  | 46556-8445  | 46556-8545  | 46556-8645  | 46556-8745  |
| 45                           | 46556-9145  | 46556-9245  | 46556-9345  | 46556-9445  | 46556-9545  | 46556-9645  | 46556-974   |

NOTES:  
1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS  
SOLDER CHARGE: TIN, 95.5/ Ag 3.8/ Cu 0.7

|   |                                       |       |                              |                           |                     |  |                           |  |
|---|---------------------------------------|-------|------------------------------|---------------------------|---------------------|--|---------------------------|--|
| SEE SHEET 1<br>EC NO: UCP2011-2778<br>DRWN: T GREGORI 2011/04/05<br>CHKD:<br>APPR: J COMERC I 2011/04/06<br>REV DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED) |       | DIMENSION STYLE<br>INCH ONLY |                           | SCALE<br>1:1        | DESIGN UNITS<br>INCH   | THIRD ANGLE<br>PROJECTION |  |
|   | 4 PLACES                              | ± --- | ± ---                        | DRAWN BY<br>T GREGORI     | DATE<br>2007/05/17  | TITLE<br><b>SEARAY SLIM<br/>PLUG ASSEMBLY<br/>.050 PITCH</b> |                           |  |
|   | 3 PLACES                              | ± --- | ± .005                       | CHECKED BY<br>J COMERC I  | DATE<br>2007/05/17  |  |                           |  |
|   | 2 PLACES                              | ± --- | ± ---                        | APPROVED BY<br>J COMERC I | DATE<br>2010/03/05  |  |                           |  |
|   | 1 PLACE                               | ± --- | ± ---                        | ANGULAR ± 1/2°            |                     | MOLEX INCORPORATED<br>DOCUMENT NO. SD-46556-001              |                           |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS  |                                       |       | MATERIAL NO.<br>SEE CHART    |                           | SHEET NO.<br>3 OF 4 |  |                           |  |

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4

3


2

1

|                              | 6           | 5           | 4           | 3           | 2           | 1           |             |
|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| DIM P                        | 2.0 MM      | 3.0 MM      | 3.5 MM      | 2.5 MM      | 4.5 MM      | 5.0 MM      | 7.0 MM      |
| DIM R:<br>HOUSING<br>HEIGHT: | .221        | .260        | .280        | .241        | .319        | .339        | .418        |
| POSITIONS                    | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO |
| 10                           | 46556-1147  | 46556-1247  | 46556-1347  | 46556-1447  | 46556-1547  | 46556-1647  | 46556-1747  |
| 20                           | 46556-2147  | 46556-2247  | 46556-2347  | 46556-2447  | 46556-2547  | 46556-2647  | 46556-2747  |
| 30                           | 46556-3147  | 46556-3247  | 46556-3347  | 46556-3447  | 46556-3547  | 46556-3647  | 46556-3747  |
| 40                           | 46556-4147  | 46556-4247  | 46556-4347  | 46556-4447  | 46556-4547  | 46556-4647  | 46556-4747  |
| 50                           | 46556-5147  | 46556-5247  | 46556-5347  | 46556-5447  | 46556-5547  | 46556-5647  | 46556-5747  |
| 15                           | 46556-6147  | 46556-6247  | 46556-6347  | 46556-6447  | 46556-6547  | 46556-6647  | 46556-6747  |
| 25                           | 46556-7147  | 46556-7247  | 46556-7347  | 46556-7447  | 46556-7547  | 46556-7647  | 46556-7747  |
| 35                           | 46556-8147  | 46556-8247  | 46556-8347  | 46556-8447  | 46556-8547  | 46556-8647  | 46556-8747  |
| 45                           | 46556-9147  | 46556-9247  | 46556-9347  | 46556-9447  | 46556-9547  | 46556-9647  | 46556-9747  |

NOTES:

1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS  
SOLDER CHARGE: TIN / LEAD, 63/Pb 37

|  |                                       |           |                              |                              |                    |   |                           |
|--|---------------------------------------|-----------|------------------------------|------------------------------|--------------------|---|---------------------------|
| SEE SHEET 1<br>EC NO: UCP2011-2778<br>DRWN: GREGORI 2011/04/05<br>CHKD:<br>APPR: JCOMERC I 2011/04/06<br>REV DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED) |           | DIMENSION STYLE<br>INCH ONLY |                              | SCALE<br>1:1       | DESIGN UNITS<br>INCH  | THIRD ANGLE<br>PROJECTION |
|  | 4 PLACES                              | ± ---     | ± ---                        | DRAWN BY<br>TGREGORI         | DATE<br>2007/05/17 | TITLE<br><b>SEARAY SLIM<br/>PLUG ASSEMBLY<br/>.050 PITCH</b>  |                           |
|  | 3 PLACES                              | ± ---     | ± .005                       | CHECKED BY<br>JCOMERC I      | DATE<br>2007/05/17 |   |                           |
|  | 2 PLACES                              | ± ---     | ± ---                        | APPROVED BY<br>JCOMERC I     | DATE<br>2010/03/05 |   |                           |
|  | 1 PLACE                               | ± ---     | ± ---                        | ANGULAR ±1/2°                |                    |  <b>MOLEX INCORPORATED</b> |                           |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS   |                                       | SEE CHART |                              | DOCUMENT NO.<br>SD-46556-001 |                    | SHEET NO.<br>4 OF 4   |                           |

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1