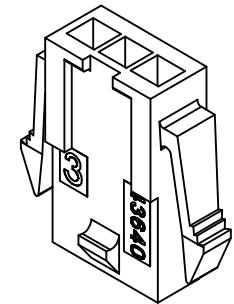


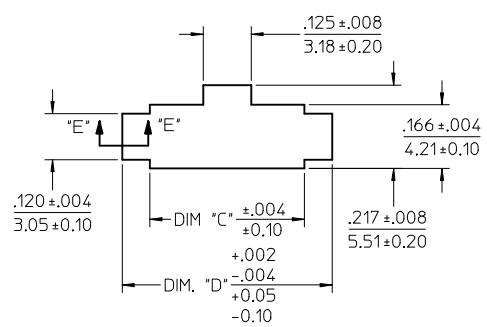
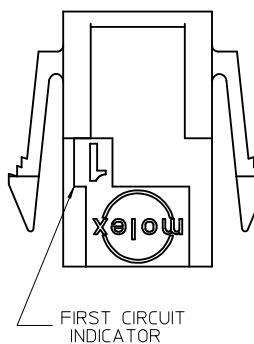
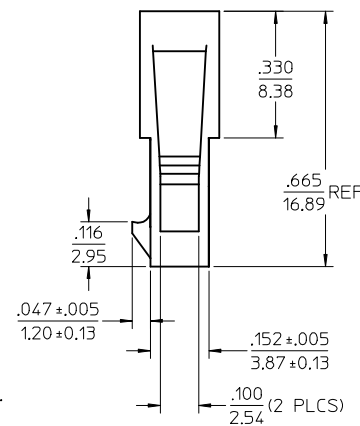
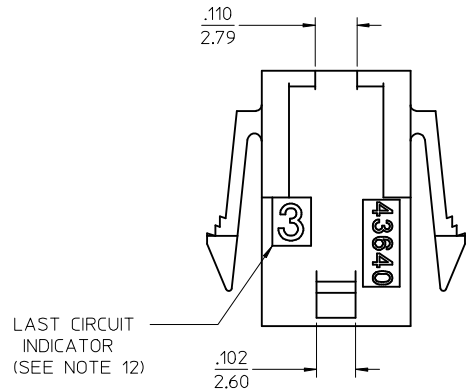
| ASSEMBLY<br>ITEM<br>NUMBER | PART<br>CHARACTERISTICS<br>NUMBER<br>OF<br>POSITION |
|----------------------------|-----------------------------------------------------|
| 43640-0200                 | 02                                                  |
| 43640-0300                 | 03                                                  |
| 43640-0400                 | 04                                                  |
| 43640-0500                 | 05                                                  |
| 43640-0600                 | 06                                                  |
| 43640-0700                 | 07                                                  |
| 43640-0800                 | 08                                                  |
| 43640-0900                 | 09                                                  |
| 43640-1000                 | 10                                                  |
| 43640-1100                 | 11                                                  |
| 43640-1200                 | 12                                                  |

| CKT.<br>NO. | DIM.<br>"A" | DIM.<br>"B" | DIM.<br>"C" | DIM.<br>"D" |
|-------------|-------------|-------------|-------------|-------------|
| 2           | .270/6.85   | .118/3.00   | .284/7.21   | .429/10.90  |
| 3           | .388/9.85   | .236/6.00   | .402/10.21  | .547/13.89  |
| 4           | .506/12.85  | .354/9.00   | .520/13.21  | .665/16.89  |
| 5           | .624/15.85  | .472/12.00  | .638/16.21  | .783/19.89  |
| 6           | .742/18.85  | .591/15.00  | .756/19.21  | .901/22.89  |
| 7           | .860/21.85  | .709/18.00  | .874/22.20  | 1.019/25.88 |
| 8           | .978/24.85  | .872/21.00  | .992/25.20  | 1.137/28.88 |
| 9           | 1.096/27.85 | .945/24.00  | 1.110/28.20 | 1.255/31.88 |
| 10          | 1.215/30.85 | 1.063/27.00 | 1.229/31.22 | 1.373/34.87 |
| 11          | 1.333/33.85 | 1.181/30.00 | 1.347/34.22 | 1.491/37.87 |
| 12          | 1.451/36.85 | 1.299/33.00 | 1.465/37.22 | 1.609/40.87 |

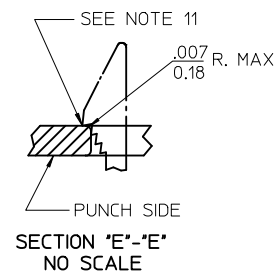
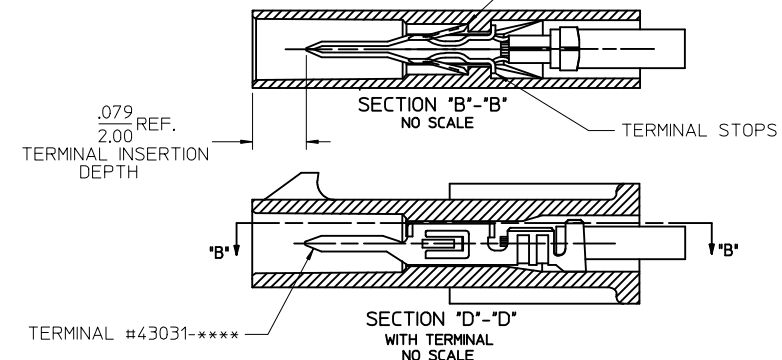
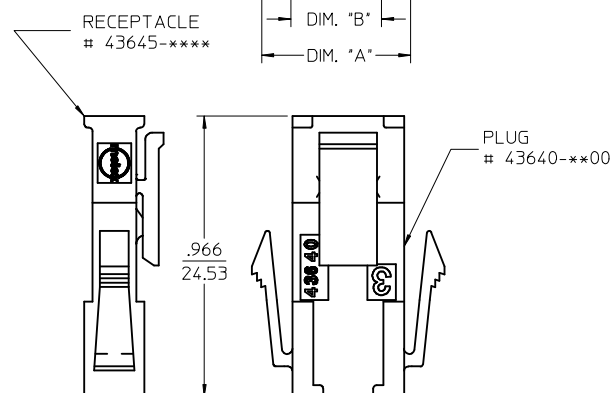
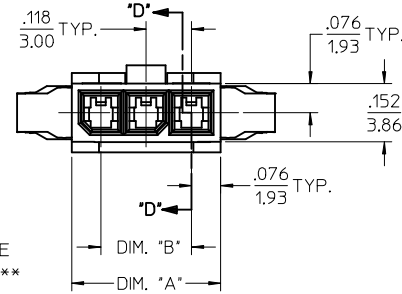
- NOTES:
- HOUSING MATERIAL: UNFILLED NYLON, RATED UL94V-0  
COLOR IS BLACK, (LOW-HALOGEN)
  - FINISH: NONE
  - PRODUCT SPECIFICATION: PS-43650
  - PACKAGING SPECIFICATION: PK-43640-003
  - THIS HOUSING MATES WITH MICRO-FIT RECEPTACLE #43645-\*\*\*\*.
  - THIS HOUSING IS DESIGNED IN METRIC
  - THIS HOUSING TO BE USED WITH MOLEX MALE TERMINAL #43031-\*\*\*\*.
  - PLUG DESIGNED FOR .062/1.57 TO .090/2.30 THICK STAMPED  
PANEL OR PRINTED CIRCUIT BOARD.
  - SEE SECTION "D"- "D" FOR TERMINAL ORIENTATION IN HOUSING.
  - SEE SHEET 2 FOR PLUG WITHOUT PANEL MOUNTS.
  - PANEL MOUNT FEATURES MUST LOCK ON SIDE OPPOSITE PUNCH  
SIDE FOR OPTIMUM RETENTION.
  - LAST CIRCUIT INDICATOR IS NOT PRESENT ON 2 CIRCUIT HOUSING.
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC  
SPECIFICATION PS-45499-002.



PLUG WITH  
PANEL MOUNTS



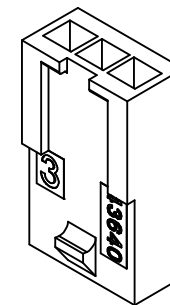
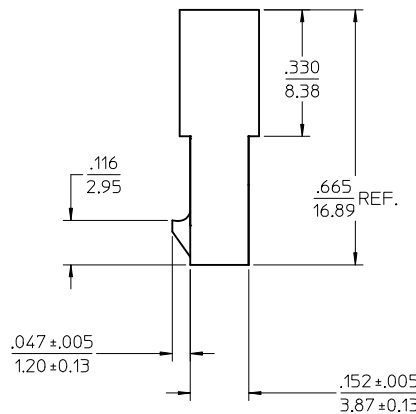
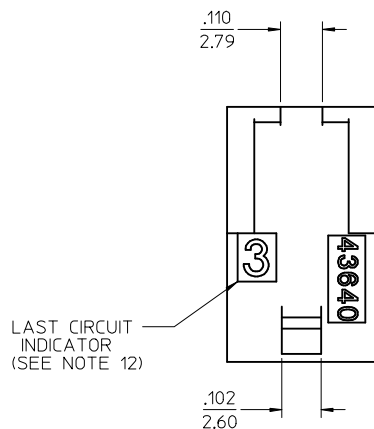
RECOMMENDED PANEL CUT-OUT  
(SEE NOTES 8 & 11)



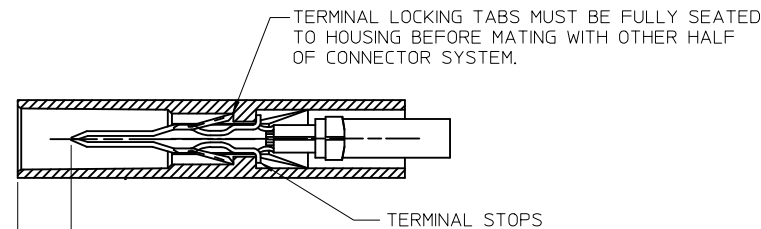
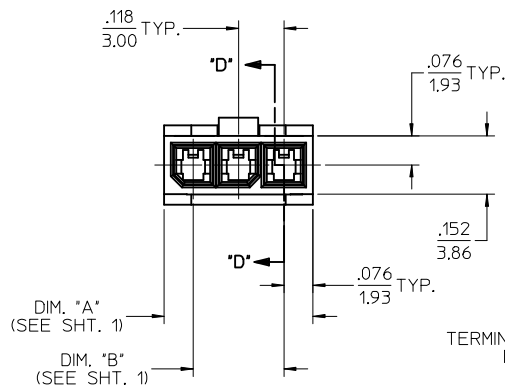
MATED MICRO-FIT CONNECTOR

|                                                                                                                               |                                                                 |             |                                                            |        |                          |             |                                                                                                                                  |                                                                                                            |                                                                                                              |           |  |
|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------|------------------------------------------------------------|--------|--------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------|--|
| UPDATE PUNCHED HOLE<br>EC NO: UCP2017-0525<br>DRWN: J001LES 2016/09/13<br>CHKD: S50USEK 2016/09/13<br>APPR: FSMITH 2016/10/07 | QUALITY SYMBOLS<br><div>▽=0</div> <div>▽=0</div> <div>▽=0</div> | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        | DIMENSION STYLE<br>IN/MM |             | SCALE<br>4:1                                                                                                                     | DESIGN UNITS<br>METRIC                                                                                     |  THIRD ANGLE PROJECTION |           |  |
|                                                                                                                               |                                                                 |             |                                                            | mm     | INCH                     | DRAWN BY    | DATE                                                                                                                             | TITLE<br>MICRO-FIT (3.0) IN-LINE<br>2 THRU 12 CIRCUIT PLUG<br>W/ OPTIONAL PANEL MOUNTS<br><br><b>molex</b> |                                                                                                              |           |  |
|                                                                                                                               |                                                                 |             | 4 PLACES                                                   | ± .005 | ± .005                   | AFG         | 1996/01/19                                                                                                                       |                                                                                                            |                                                                                                              |           |  |
|                                                                                                                               |                                                                 |             | 3 PLACES                                                   | ± .010 | ± .010                   | CHECKED BY  | DATE                                                                                                                             |                                                                                                            |                                                                                                              |           |  |
|                                                                                                                               |                                                                 |             | 2 PLACES                                                   | ± .025 | ± .014                   | BAP         | 1996/01/19                                                                                                                       |                                                                                                            |                                                                                                              |           |  |
|                                                                                                                               |                                                                 |             | 1 PLACE                                                    | ± .035 | ± .035                   | APPROVED BY | DATE                                                                                                                             |                                                                                                            |                                                                                                              |           |  |
|                                                                                                                               |                                                                 |             | 0 PLACE                                                    | ± .035 | ± .035                   | RJF         | 1996/01/19                                                                                                                       | DOCUMENT NO.                                                                                               |                                                                                                              | SHEET NO. |  |
|                                                                                                                               |                                                                 |             | ANGULAR ± 5 °                                              |        | MATERIAL NO.             |             | SD-43640-****                                                                                                                    |                                                                                                            |                                                                                                              | 1 OF 2    |  |
|                                                                                                                               |                                                                 |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | SEE CHART                |             | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                            |                                                                                                              |           |  |
|                                                                                                                               |                                                                 |             | REV                                                        | F6     |                          | SIZE        | C                                                                                                                                |                                                                                                            |                                                                                                              |           |  |

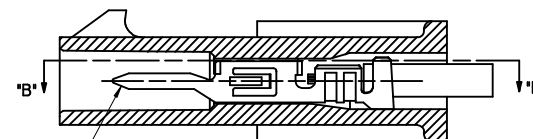
| ASSEMBLY<br>ITEM<br>NUMBER | PART<br>CHARACTERISTICS<br>NUMBER<br>OF<br>POSITION |
|----------------------------|-----------------------------------------------------|
| 43640-0201                 | 02                                                  |
| 43640-0301                 | 03                                                  |
| 43640-0401                 | 04                                                  |
| 43640-0501                 | 05                                                  |
| 43640-0601                 | 06                                                  |
| 43640-0701                 | 07                                                  |
| 43640-0801                 | 08                                                  |
| 43640-0901                 | 09                                                  |
| 43640-1001                 | 10                                                  |
| 43640-1101                 | 11                                                  |
| 43640-1201                 | 12                                                  |



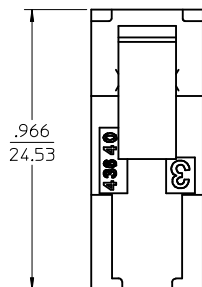
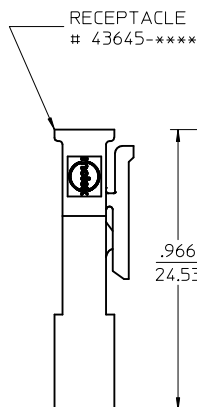
PLUG WITHOUT  
PANEL MOUNTS



SECTION "B"- "B"  
NO SCALE



SECTION "D"- "D"  
WITH TERMINAL  
NO SCALE



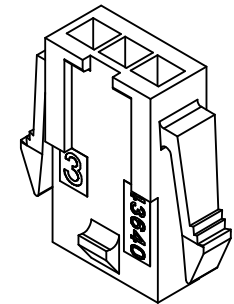
MATED MICRO-FIT CONNECTOR

|                                                                                                                                 |             |                 |                                                            |    |                  |                                                                                                                                  |               |               |                                                                                                            |                           |           |  |  |
|---------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------|------------------------------------------------------------|----|------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|------------------------------------------------------------------------------------------------------------|---------------------------|-----------|--|--|
| SEE SHEET 1<br>EC NO: UCP2017-0525<br>DRWN: JUILLES 2016/09/13<br>CHKD: SSOUSEK 2016/09/13<br>APPR: FSMITH 2016/10/07<br><br>F6 | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |    |                  | DIMENSION STYLE<br>IN/MM                                                                                                         |               | SCALE<br>4:1  | DESIGN UNITS<br>METRIC                                                                                     | THIRD ANGLE<br>PROJECTION |           |  |  |
|                                                                                                                                 |             |                 | mm                                                         |    | INCH             |                                                                                                                                  | DRAWN BY DATE |               | TITLE<br>MICRO-FIT (3.0) IN-LINE<br>2 THRU 12 CIRCUIT PLUG<br>W/ OPTIONAL PANEL MOUNTS<br><br><b>molex</b> |                           |           |  |  |
|                                                                                                                                 |             |                 | 4 PLACES ± --- ± ---                                       |    | AFG 1996/01/19   |                                                                                                                                  |               |               |                                                                                                            |                           |           |  |  |
|                                                                                                                                 |             |                 | 3 PLACES ± --- ± .010                                      |    | CHECKED BY DATE  |                                                                                                                                  |               |               |                                                                                                            |                           |           |  |  |
|                                                                                                                                 |             |                 | 2 PLACES ± 0.25 ± .014                                     |    | BAP 1996/01/19   |                                                                                                                                  |               |               |                                                                                                            |                           |           |  |  |
|                                                                                                                                 |             |                 | 1 PLACE ± 0.35 ± ---                                       |    | APPROVED BY DATE |                                                                                                                                  |               |               |                                                                                                            |                           |           |  |  |
|                                                                                                                                 |             |                 | 0 PLACE ± ±                                                |    | RJF 1996/01/19   |                                                                                                                                  | MATERIAL NO.  |               | DOCUMENT NO.                                                                                               |                           | SHEET NO. |  |  |
|                                                                                                                                 |             |                 | ANGULAR ± 5 °                                              |    |                  | SEE CHART                                                                                                                        |               | SD-43640-**** |                                                                                                            | 2 OF 2                    |           |  |  |
|                                                                                                                                 |             |                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |    |                  |                                                                                                                                  |               |               |                                                                                                            |                           |           |  |  |
|                                                                                                                                 |             |                 | REV                                                        | F6 | QUALITY SYMBOLS  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |               |               |                                                                                                            |                           |           |  |  |
|                                                                                                                                 |             |                 |                                                            |    |                  |                                                                                                                                  |               |               |                                                                                                            |                           |           |  |  |

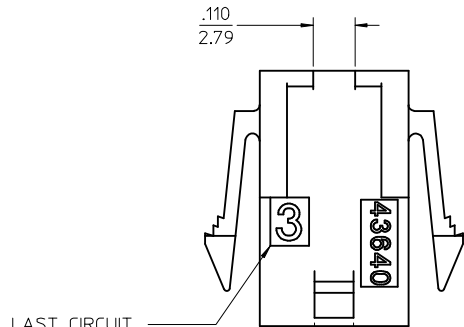
| ASSEMBLY<br>ITEM<br>NUMBER | PART<br>CHARACTERISTICS<br>NUMBER<br>OF<br>POSITION |
|----------------------------|-----------------------------------------------------|
| 43640-0200                 | 02                                                  |
| 43640-0300                 | 03                                                  |
| 43640-0400                 | 04                                                  |
| 43640-0500                 | 05                                                  |
| 43640-0600                 | 06                                                  |
| 43640-0700                 | 07                                                  |
| 43640-0800                 | 08                                                  |
| 43640-0900                 | 09                                                  |
| 43640-1000                 | 10                                                  |
| 43640-1100                 | 11                                                  |
| 43640-1200                 | 12                                                  |

| CKT.<br>NO. | DIM.<br>"A" | DIM.<br>"B" | DIM.<br>"C" | DIM.<br>"D" |
|-------------|-------------|-------------|-------------|-------------|
| 2           | .270/6.85   | .118/3.00   | .284/7.21   | .429/10.90  |
| 3           | .388/9.85   | .236/6.00   | .402/10.21  | .547/13.89  |
| 4           | .506/12.85  | .354/9.00   | .520/13.21  | .665/16.89  |
| 5           | .624/15.85  | .472/12.00  | .638/16.21  | .783/19.89  |
| 6           | .742/18.85  | .591/15.00  | .756/19.21  | .901/22.89  |
| 7           | .860/21.85  | .709/18.00  | .874/22.20  | 1.019/25.88 |
| 8           | .978/24.85  | .827/21.00  | .992/25.20  | 1.137/28.88 |
| 9           | 1.096/27.85 | .945/24.00  | 1.110/28.20 | 1.255/31.88 |
| 10          | 1.215/30.85 | 1.063/27.00 | 1.229/31.22 | 1.373/34.87 |
| 11          | 1.333/33.85 | 1.181/30.00 | 1.347/34.22 | 1.491/37.87 |
| 12          | 1.451/36.85 | 1.299/33.00 | 1.465/37.22 | 1.609/40.87 |

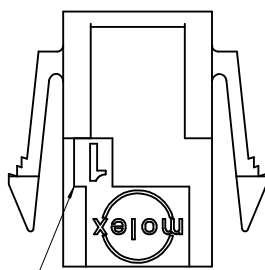
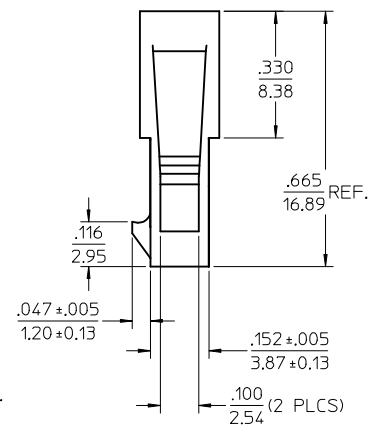
- NOTES:
- HOUSING MATERIAL: UNFILLED NYLON, RATED UL94V-0  
COLOR IS BLACK, (LOW-HALOGEN)
  - FINISH: NONE
  - PRODUCT SPECIFICATION: PS-43650
  - PACKAGING SPECIFICATION: PK-43640-003
  - THIS HOUSING MATES WITH MICRO-FIT RECEPTACLE #43645-\*\*\*\*.
  - THIS HOUSING IS DESIGNED IN METRIC
  - THIS HOUSING TO BE USED WITH MOLEX MALE TERMINAL #43031-\*\*\*\*.
  - PLUG DESIGNED FOR .062/1.57 TO .090/2.30 THICK STAMPED  
PANEL OR PRINTED CIRCUIT BOARD.
  - SEE SECTION "D"- "D" FOR TERMINAL ORIENTATION IN HOUSING.
  - SEE SHEET 2 FOR PLUG WITHOUT PANEL MOUNTS.
  - PANEL MOUNT FEATURES MUST LOCK ON SIDE OPPOSITE PUNCH  
SIDE FOR OPTIMUM RETENTION.
  - LAST CIRCUIT INDICATOR IS NOT PRESENT ON 2 CIRCUIT HOUSING.
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC  
SPECIFICATION PS-45499-002.



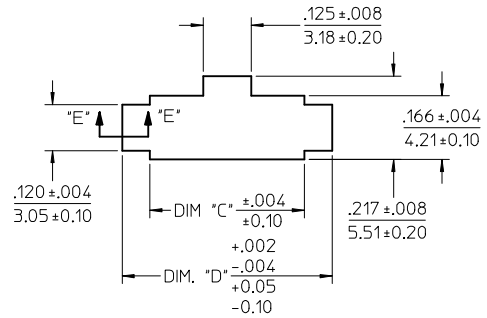
PLUG WITH  
PANEL MOUNTS



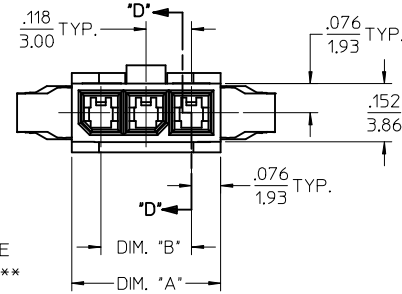
LAST CIRCUIT  
INDICATOR  
(SEE NOTE 12)



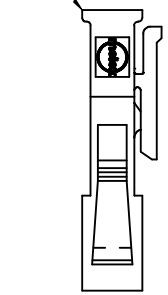
FIRST CIRCUIT  
INDICATOR



RECOMMENDED PANEL CUT-OUT  
(SEE NOTES 8 & 11)

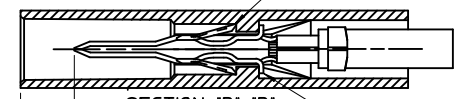


RECEPTACLE  
# 43645-\*\*\*\*



PLUG  
# 43640-\*\*\*\*00

.079 REF.  
2.00  
TERMINAL INSERTION  
DEPTH



SECTION "B"- "B"  
NO SCALE

TERMINAL LOCKING TABS MUST BE FULLY SEATED  
TO HOUSING BEFORE MATING WITH OTHER HALF  
OF CONNECTOR SYSTEM.

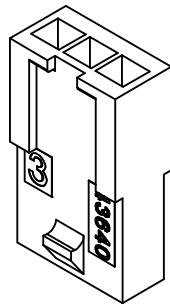
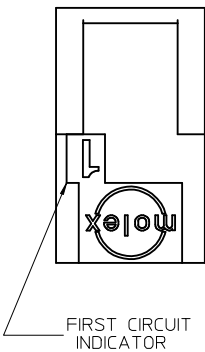
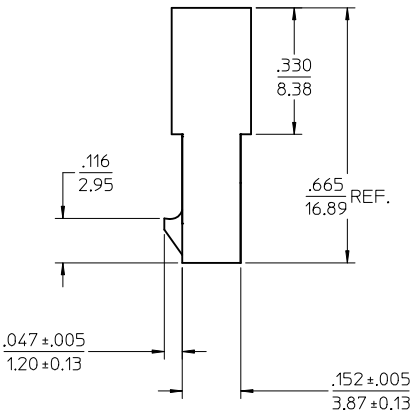
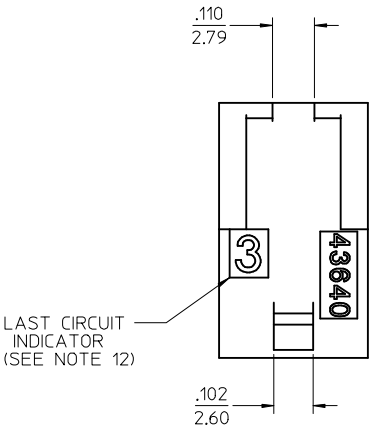


SECTION "E"- "E"  
NO SCALE

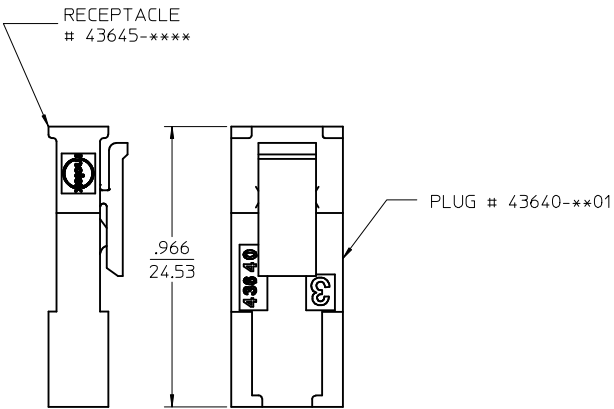
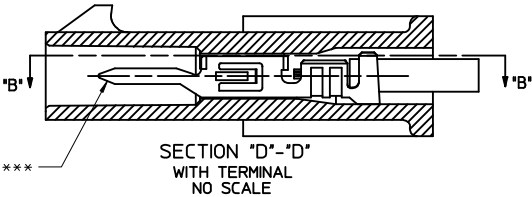
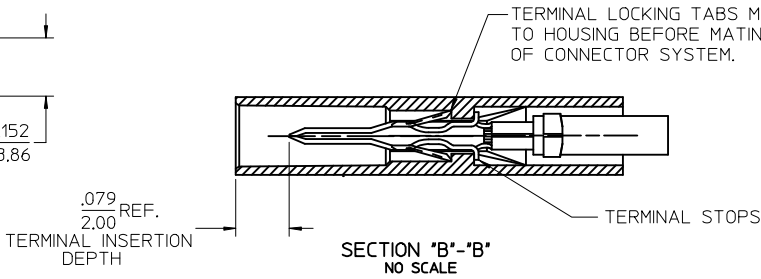
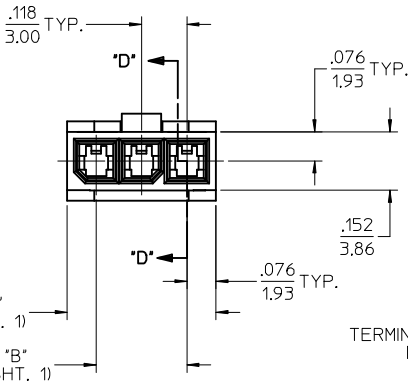
|                     |  |  |  |                     |  |                                       |  |                                                                |  |                  |  |
|---------------------|--|--|--|---------------------|--|---------------------------------------|--|----------------------------------------------------------------|--|------------------|--|
| UPDATE PUNCHED HOLE |  |  |  | EC NO: UCP2017-0525 |  | 2016/09/13                            |  | 2016/09/13                                                     |  | 2016/10/07       |  |
|                     |  |  |  | DRWN: J. D. LILES   |  | CHKD: S. S. OUSEK                     |  | APPR: F. SMITH                                                 |  |                  |  |
|                     |  |  |  | QUALITY SYMBOLS     |  | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE IN/MM                                          |  | SCALE 4:1        |  |
|                     |  |  |  | DESIGN UNITS METRIC |  | THIRD ANGLE PROJECTION                |  |                                                                |  |                  |  |
|                     |  |  |  | ▽ = 0               |  | mm                                    |  | INCH                                                           |  | DRAWN BY DATE    |  |
|                     |  |  |  | ▽ = 0               |  | 4 PLACES ± ---                        |  | ± ---                                                          |  | AFG 1996/01/19   |  |
|                     |  |  |  | ▽ = 0               |  | 3 PLACES ± ---                        |  | ± .010                                                         |  | CHECKED BY DATE  |  |
|                     |  |  |  |                     |  | 2 PLACES ± 0.25                       |  | ± .014                                                         |  | BAP 1996/01/19   |  |
|                     |  |  |  |                     |  | 1 PLACE ± 0.35                        |  | ± ---                                                          |  | APPROVED BY DATE |  |
|                     |  |  |  |                     |  | 0 PLACE ±                             |  | ±                                                              |  | R J F 1996/01/19 |  |
|                     |  |  |  |                     |  | ANGULAR ± 5 °                         |  |                                                                |  | DOCUMENT NO.     |  |
|                     |  |  |  |                     |  | DRAFT WHERE APPLICABLE                |  | MATERIAL NO.                                                   |  | SHEET NO.        |  |
|                     |  |  |  |                     |  | MUST REMAIN                           |  | SEE CHART                                                      |  | SD-43640-****    |  |
|                     |  |  |  |                     |  | WITHIN DIMENSIONS                     |  | SIZE C                                                         |  | 1 OF 2           |  |
|                     |  |  |  |                     |  |                                       |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX |  |                  |  |
|                     |  |  |  |                     |  |                                       |  | INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                  |  |

MATED MICRO-FIT CONNECTOR

| 13                         | 12                                                  | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|----------------------------|-----------------------------------------------------|----|----|---|---|---|---|---|---|---|---|---|
| ASSEMBLY<br>ITEM<br>NUMBER | PART<br>CHARACTERISTICS<br>NUMBER<br>OF<br>POSITION |    |    |   |   |   |   |   |   |   |   |   |
| 43640-0201                 | 02                                                  |    |    |   |   |   |   |   |   |   |   |   |
| 43640-0301                 | 03                                                  |    |    |   |   |   |   |   |   |   |   |   |
| 43640-0401                 | 04                                                  |    |    |   |   |   |   |   |   |   |   |   |
| 43640-0501                 | 05                                                  |    |    |   |   |   |   |   |   |   |   |   |
| 43640-0601                 | 06                                                  |    |    |   |   |   |   |   |   |   |   |   |
| 43640-0701                 | 07                                                  |    |    |   |   |   |   |   |   |   |   |   |
| 43640-0801                 | 08                                                  |    |    |   |   |   |   |   |   |   |   |   |
| 43640-0901                 | 09                                                  |    |    |   |   |   |   |   |   |   |   |   |
| 43640-1001                 | 10                                                  |    |    |   |   |   |   |   |   |   |   |   |
| 43640-1101                 | 11                                                  |    |    |   |   |   |   |   |   |   |   |   |
| 43640-1201                 | 12                                                  |    |    |   |   |   |   |   |   |   |   |   |



PLUG WITHOUT  
PANEL MOUNTS



MATED MICRO-FIT CONNECTOR

|                                                                                                                                 |                                          |             |                                                            |        |                                                                                                                                  |                    |                    |                                                                                                                                                                                |                           |
|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|------------------------------------------------------------|--------|----------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| SEE SHEET 1<br>EC NO: UCP2017-0525<br>DRWN: JUILLES 2016/09/13<br>CHKD: SSOUSEK 2016/09/13<br>APPR: FSMITH 2016/10/07<br>REV F6 | QUALITY SYMBOLS<br><br>▽=0<br>▽=0<br>▽=0 | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        | DIMENSION STYLE<br>IN/MM                                                                                                         |                    | SCALE<br>4:1       | DESIGN UNITS<br>METRIC                                                                                                                                                         | THIRD ANGLE<br>PROJECTION |
|                                                                                                                                 |                                          |             |                                                            | mm     | INCH                                                                                                                             | DRAWN BY<br>AFG    | DATE<br>1996/01/19 | TITLE<br><br>MICRO-FIT (3.0) IN-LINE<br>2 THRU 12 CIRCUIT PLUG<br>W/ OPTIONAL PANEL MOUNTS<br><br><b>molex</b><br><br>DOCUMENT NO.<br>SD-43640-****<br><br>SHEET NO.<br>2 OF 2 |                           |
|                                                                                                                                 |                                          |             | 4 PLACES ± ---                                             | ± ---  | CHECKED BY<br>BAP                                                                                                                | DATE<br>1996/01/19 |                    |                                                                                                                                                                                |                           |
|                                                                                                                                 |                                          |             | 3 PLACES ± ---                                             | ± .010 | APPROVED BY<br>RJF                                                                                                               | DATE<br>1996/01/19 |                    |                                                                                                                                                                                |                           |
|                                                                                                                                 |                                          |             | 2 PLACES ± 0.25                                            | ± .014 |                                                                                                                                  |                    |                    |                                                                                                                                                                                |                           |
|                                                                                                                                 |                                          |             | 1 PLACE ± 0.35                                             | ± ---  |                                                                                                                                  |                    |                    |                                                                                                                                                                                |                           |
|                                                                                                                                 |                                          |             | 0 PLACE ±                                                  | ±      |                                                                                                                                  |                    |                    |                                                                                                                                                                                |                           |
|                                                                                                                                 |                                          |             | ANGULAR ± 5 °                                              |        | MATERIAL NO.                                                                                                                     |                    |                    |                                                                                                                                                                                |                           |
|                                                                                                                                 |                                          |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | SEE CHART                                                                                                                        |                    |                    |                                                                                                                                                                                |                           |
|                                                                                                                                 |                                          |             |                                                            |        | SIZE C                                                                                                                           |                    |                    |                                                                                                                                                                                |                           |
|                                                                                                                                 |                                          |             |                                                            |        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                    |                                                                                                                                                                                |                           |