

## Excellent Integrated System Limited

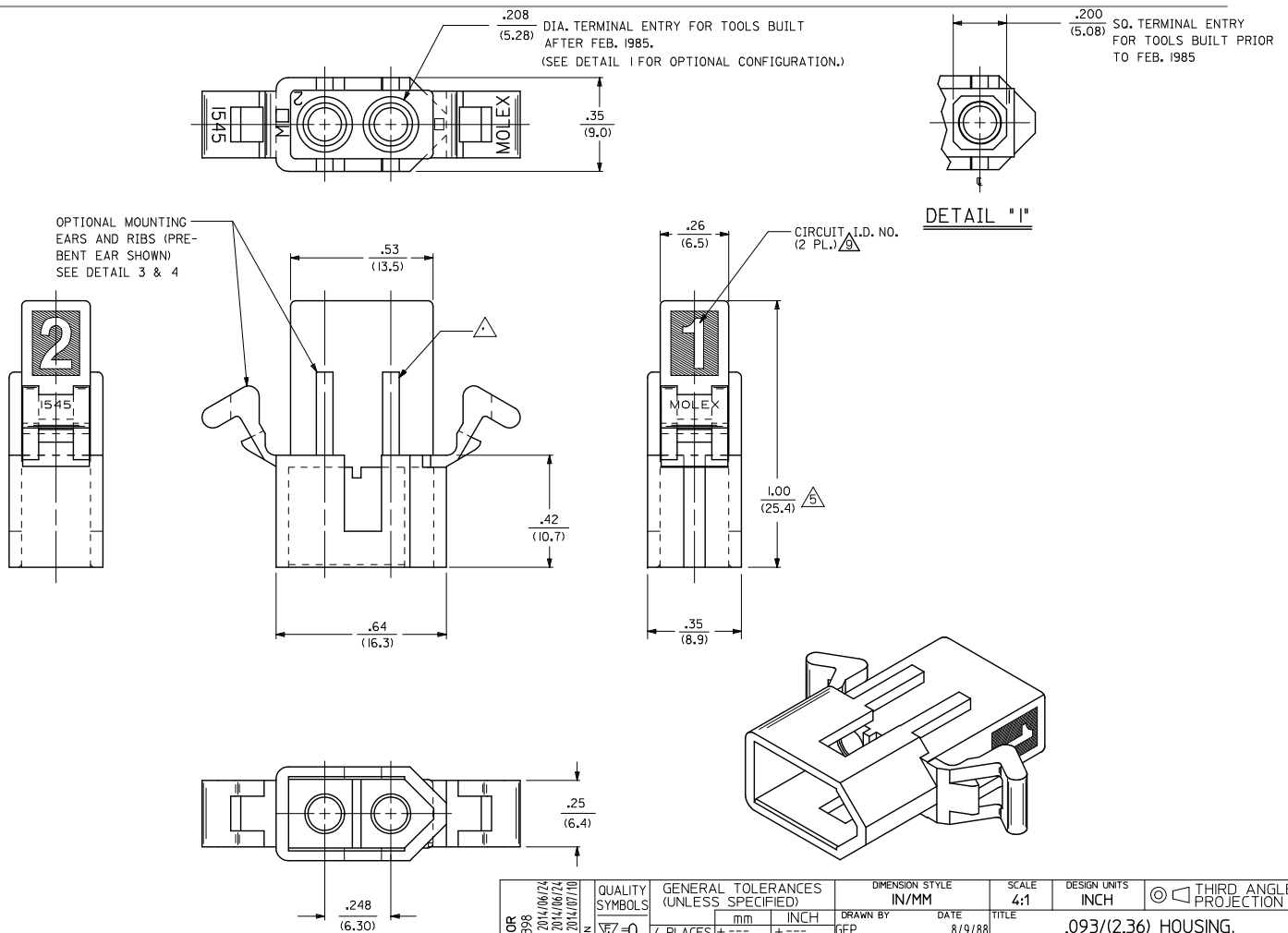
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

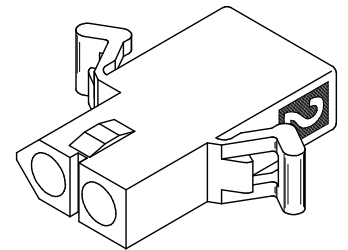
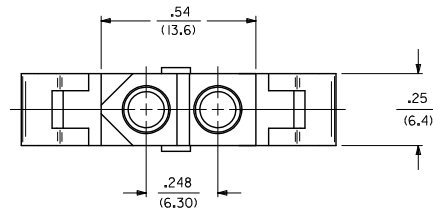
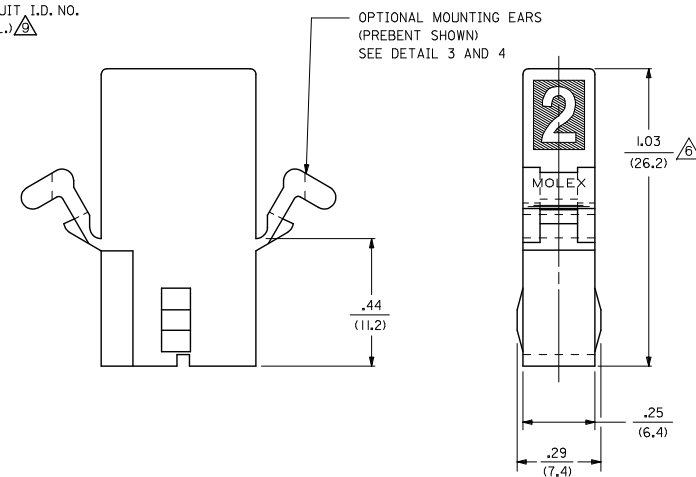
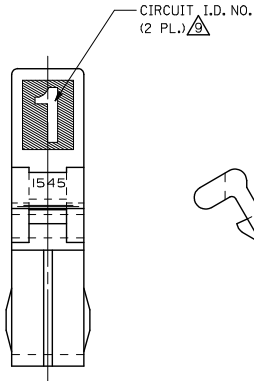
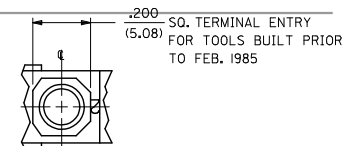
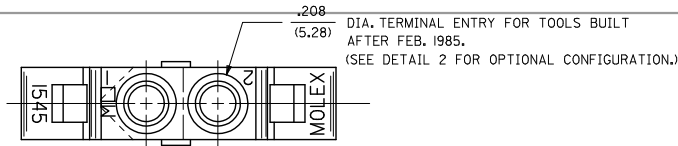
[Molex Connector Corporation](#)  
[0003092021](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



| MATERIAL B COLOR    |  | QUALITY SYMBOLS                                      |  | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE   |  | SCALE                                                                                                                         |  | DESIGN UNITS |  | THIRD ANGLE PROJECTION                                           |  |
|---------------------|--|------------------------------------------------------|--|---------------------------------------|--|-------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|--------------|--|------------------------------------------------------------------|--|
| EC NO: UCP2014-5398 |  | DRAWN BY: JHUX                                       |  | DATE: 2014/06/24                      |  | IN/MM             |  | 4:1                                                                                                                           |  | INCH         |  | ◎ □                                                              |  |
| CHKD BY: JHUX       |  | DATE: 2014/06/24                                     |  | 4 PLACES ± .010                       |  | DRAWN BY: JHUX    |  | DATE: 8/9/88                                                                                                                  |  | TITLE        |  | .093/(2.36) HOUSING, PLUG & RECEPTACLE, 2 CKT., .248/(6.30) CTR. |  |
| APPRD BY: JHUX      |  | DATE: 2014/07/10                                     |  | 3 PLACES ± .010                       |  | CHECKED BY: JHUX  |  | DATE: 8/9/88                                                                                                                  |  | DATE: 8/9/88 |  | molex                                                            |  |
| REV                 |  | DESCRIPTION                                          |  | 2 PLACES ± 0.25 ± .014                |  | APPROVED BY: JHUX |  | DATE: 2014/07/10                                                                                                              |  | DOCUMENT NO. |  | SD-1545-*                                                        |  |
| V1                  |  | MATERIAL NO.                                         |  | 1 PLACE ± 0.35 ± .014                 |  | SIZE              |  | SEE CHART                                                                                                                     |  | SHEET NO.    |  | 1 OF 3                                                           |  |
|                     |  | ANGULAR ± 1/2°                                       |  | 0 PLACE ± .010 ± .014                 |  | C                 |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |              |  |                                                                  |  |
|                     |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  |                                       |  |                   |  |                                                                                                                               |  |              |  |                                                                  |  |



RECEPTACLE

|                                                                             |                                                       |                                      |                                                      |  |                 |            |                                                                                                                               |              |                                                                                                              |              |                     |
|-----------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------|------------------------------------------------------|--|-----------------|------------|-------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------------------------------|--------------|---------------------|
| SEE SHEET 1<br>EC NO 2014-5398<br>DRAWN: JDFX<br>CHKD: JPER<br>APPROVED: TH | DESCRIPTION<br>2014/06/24<br>2014/06/24<br>2014/07/10 | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                |  | DIMENSION STYLE |            | SCALE                                                                                                                         | DESIGN UNITS |  THIRD ANGLE PROJECTION |              |                     |
|                                                                             |                                                       |                                      |                                                      |  | IN/MM           |            | 4:1                                                                                                                           | INCH         |                                                                                                              |              |                     |
|                                                                             |                                                       |                                      |                                                      |  | DRAWN BY        | DATE       | TITLE<br>.093/(2.36) HOUSING,<br>PLUG & RECEPTACLE,<br>2 CKT., .248/(6.30) CTR.<br><b>molex</b>                               |              |                                                                                                              |              |                     |
|                                                                             |                                                       |                                      |                                                      |  | CHECKED BY      | DATE       |                                                                                                                               |              |                                                                                                              |              |                     |
|                                                                             |                                                       |                                      |                                                      |  | APPROVED BY     | DATE       |                                                                                                                               |              |                                                                                                              |              |                     |
|                                                                             |                                                       |                                      |                                                      |  | FSMITH          | 2014/07/10 |                                                                                                                               |              |                                                                                                              |              |                     |
|                                                                             |                                                       |                                      |                                                      |  | ANGULAR ±1/2°   |            | MATERIAL NO.                                                                                                                  |              |                                                                                                              | DOCUMENT NO. | SHEET NO.<br>2 OF 3 |
|                                                                             |                                                       |                                      | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | SEE CHART       |            | SD-1545-*                                                                                                                     |              |                                                                                                              |              |                     |
|                                                                             |                                                       |                                      |                                                      |  | SIZE C          |            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                                                                                                              |              |                     |

| PLUG       |           |
|------------|-----------|
| PART NO.   | ENG. NO.  |
| 03-09-2021 | I545-P    |
| 03-09-2022 | I545-P1   |
| 03-09-7021 | I545-PBK  |
| 03-09-7022 | I545-P1BK |
| 03-09-2023 | I545-P2   |
| 03-09-7024 | I545-P1RD |
| 03-09-7023 | I545-P1BU |
| 50-36-1686 | I545-P1-1 |

| RECEPTACLE |           |
|------------|-----------|
| PART NO.   | ENG. NO.  |
| 03-09-6021 | I545-R3BK |
| 03-09-6023 | I545-R3RD |
| 03-09-6024 | I545-R3BU |
| 03-09-1022 | I545-R1   |
| 03-09-1023 | I545-R2   |
| 03-09-6025 | I545-R1BU |
| 03-09-1027 | I545-R3   |
| 50-36-1685 | I545-R1-1 |

## LEGEND : PLUG

1545-P\*\*\*-\*

OPTIONS: \_\_\_\_\_

BLANK = WITH STD. EARS  
1 = WITHOUT EARS  
2 = WITH PREBENT EARS

COLOR: BLANK=NATURAL COLOR \_\_\_\_\_

AM=AMBER BK=BLACK BU=BLUE  
BN=BROWN GY=GRAY GN=GREEN  
OR=ORANGE RD=RED YW=YELLOW

\*APPLIES TO MATERIAL A ONLY  
MATERIAL B ONLY AVAILABLE IN BLACK

BLANK = MATERIAL CODE A  
1 = MATERIAL CODE B

## LEGEND : RECEPTACLE

1545-R\*\*\*-\*

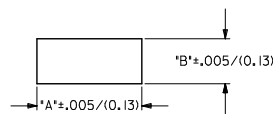
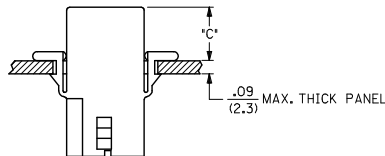
BLANK = WITH STD. EARS & RAMPS  
1 = WITHOUT EARS, WITH RAMPS  
2 = WITHOUT EARS, WITHOUT RAMPS  
3 = WITH PREBENT EARS & RAMPS

COLOR: BLANK=NATURAL COLOR \_\_\_\_\_

AM=AMBER BK=BLACK BU=BLUE  
BN=BROWN GY=GRAY GN=GREEN  
OR=ORANGE RD=RED YW=YELLOW

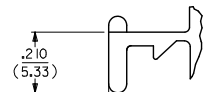
\*APPLIES TO MATERIAL A ONLY  
MATERIAL B ONLY AVAILABLE IN BLACK

BLANK = MATERIAL CODE A  
1 = MATERIAL CODE B



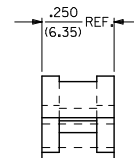
RECOMMENDED PANEL OPENING  
(SCALE 2:1)

| HOUSING    | DIM. *A*     | DIM. *B*    | DIM. *C* (PREBENT) | DIM. *C* (STD. EAR) |
|------------|--------------|-------------|--------------------|---------------------|
| PLUG       | .800/(20.32) | .375/(9.53) | .40/(10.2)         | .39/(9.9)           |
| RECEPTACLE | .725/(18.42) | .312/(7.92) | .41/(10.4)         | .40/(10.2)          |



## DETAIL 3

.093/(2.36) STANDARD MOUNTING EAR



## DETAIL 4

.093/(2.36) PREBENT MOUNTING EAR

## NOTES:

- MATERIAL: - A = NYLON, PA66, 94V-2. COLOR: SEE LEGEND.  
B = UL94V-0, PA6 NYLON, GLOW WIRE CAPABLE PER IEC 60335-1, COLOR: BLACK.
- FINISH: NONE.
- PRODUCT SPECIFICATION: PS-02-09.
- PACKAGING INFORMATION: PK-1545-001
- .97/(24.6) REF. FOR TOOLS BUILT PRIOR TO FEB. 1985.
- 1.00/(25.4) REF. FOR TOOLS BUILT PRIOR TO FEB. 1985.
- RIBS ARE PRESENT ONLY ON PARTS WITH MOUNTING EARS.
- EACH TERMINAL POCKET WILL ACCEPT UP TO:  
(2) #18 AWG WIRES HAVING 1/32" THK. INSULATION OR  
(1) #16 AWG WIRE HAVING 1/16" THK. INSULATION OR  
(1) #16 AWG & (1) #18 AWG WIRE HAVING 1/32" THK. INSULATION.
- CIRCUIT I.D. NUMBERS ON SIDE OF HOUSING APPEAR ON PARTS FROM TOOLS BUILT AFTER 11/25/91.
- PARTS CONFORM TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002 EXCEPT MATERIAL OPTION 'B' MEETS CLASS 'C' REQUIREMENTS FOR SINK AND DISCOLORATION.

|                                                                                        |            |            |            |                 |                                                            |      |                                                                                                                                  |              |              |                                                                        |                           |  |  |
|----------------------------------------------------------------------------------------|------------|------------|------------|-----------------|------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|------------------------------------------------------------------------|---------------------------|--|--|
| SEE SHEET 1<br>EC NO: 2072014-5398<br>DRAWN: JFOFX<br>CHKD: JPIER<br>APPD: FSN1H<br>V1 | 2014/06/24 | 2014/06/24 | 2014/07/10 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |      | DIMENSION STYLE<br>IN/MM                                                                                                         |              | SCALE<br>4:1 | DESIGN UNITS<br>INCH                                                   | THIRD ANGLE<br>PROJECTION |  |  |
|                                                                                        | ▽=0        | ▽=0        |            |                 | mm                                                         | INCH | DRAWN BY                                                                                                                         | DATE         | TITLE        |                                                                        |                           |  |  |
|                                                                                        |            |            |            |                 | 4 PLACES ±                                                 | ---  | ---                                                                                                                              | GEP          | 8/9/88       | .093/(2.36) HOUSING,<br>PLUG & RECEPTACLE,<br>2 CKT., .248/(6.30) CTR. |                           |  |  |
|                                                                                        |            |            |            |                 | 3 PLACES ±                                                 | ---  | ±.010                                                                                                                            | CHECKED BY   | DATE         |                                                                        |                           |  |  |
|                                                                                        |            |            |            |                 | 2 PLACES ±                                                 | 0.25 | ±.014                                                                                                                            | FW           | 8/9/88       |                                                                        |                           |  |  |
|                                                                                        |            |            |            |                 | 1 PLACE ±                                                  | 0.35 | ---                                                                                                                              | APPROVED BY  | DATE         |                                                                        |                           |  |  |
|                                                                                        |            |            |            |                 | 0 PLACE ±                                                  | ---  | ---                                                                                                                              | FSMITH       | 2014/07/10   |                                                                        |                           |  |  |
|                                                                                        |            |            |            |                 | ANGULAR ±1/2°                                              |      | MATERIAL NO.                                                                                                                     | DOCUMENT NO. |              |                                                                        |                           |  |  |
|                                                                                        |            |            |            |                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |      | SEE CHART                                                                                                                        |              | SD-1545-*    |                                                                        | SHEET NO.<br>3 OF 3       |  |  |
|                                                                                        |            |            |            |                 |                                                            |      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |              |                                                                        |                           |  |  |