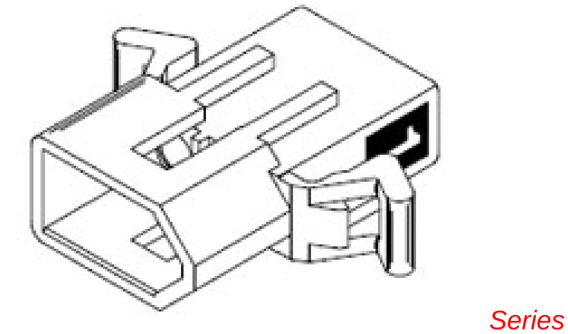
| | |
|---|---|
| **Part Number:** | **0003092021** |
| **Status:** | **Active** |
| **Overview:** | standard_093 |
| **Description:** | 2.36mm (.093") Diameter Standard .093" Pin and Socket Plug Housing, 2 Circuits, With Standard Mounting Ears |



*Series*

*image - Reference only*

**Documents:**

- 3D Model
- Packaging Specification (PDF)
- Drawing (PDF)
- Product Specification PS-02-09 (PDF)
- Product Specification PS-42477 (PDF)
- Product Specification PS-43660-9999 (PDF)
- RoHS Certificate of Compliance (PDF)

## General

| | |
|---|---|
| Product Family | Crimp Housings |
| Series | 1545 |
| Comments | Polarized to Mating Part, 17.0A max. can be achieved when housing is used with 42477 or 42478 terminals |
| MolexKits | Yes |
| Overview | standard_093 |
| Product Name | Standard .093" |

## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (maximum) | 2 |
| Circuits Detail | 1x2 |
| Color - Resin | Natural |
| Gender | Dual |
| Glow-Wire Compliant | No |
| Keying to Mating Part | None |
| Lock to Mating Part | Yes |
| Material - Resin | Nylon |
| Number of Rows | 1 |
| Packaging Type | Bag |
| Panel Mount | Yes |
| Pitch - Mating Interface (in) | 0.248 In |
| Pitch - Mating Interface (mm) | 6.30 mm |
| Stackable | No |
| Temperature Range - Operating | -40°C to +105°C |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 14A |

## Material Info

| | |
|---|---|
| Old Part Number | 1545-P |

## Reference - Drawing Numbers

| | |
|---|---|
| Packaging Specification | PK-1545-001 |
| Product Specification | PS-02-09, PS-42477, PS-43660-9999 |
| Sales Drawing | SD-1545-* |

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

**Contains SVHC: No**

**Halogen-Free Status**

**Not Reviewed**

**China RoHS**

**Need more information on product environmental compliance?**

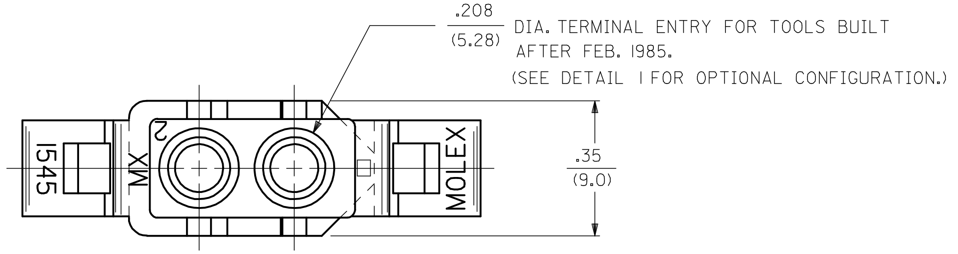
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

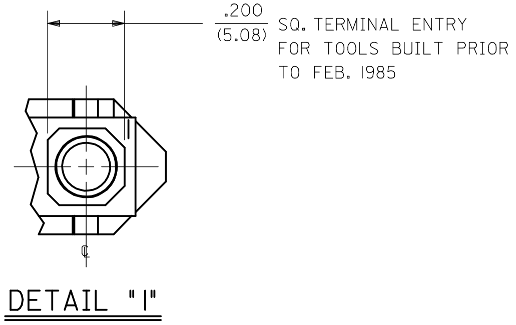
Please visit the Contact Us section for any non-product compliance questions.

**Search Parts in this Series**
1545Series

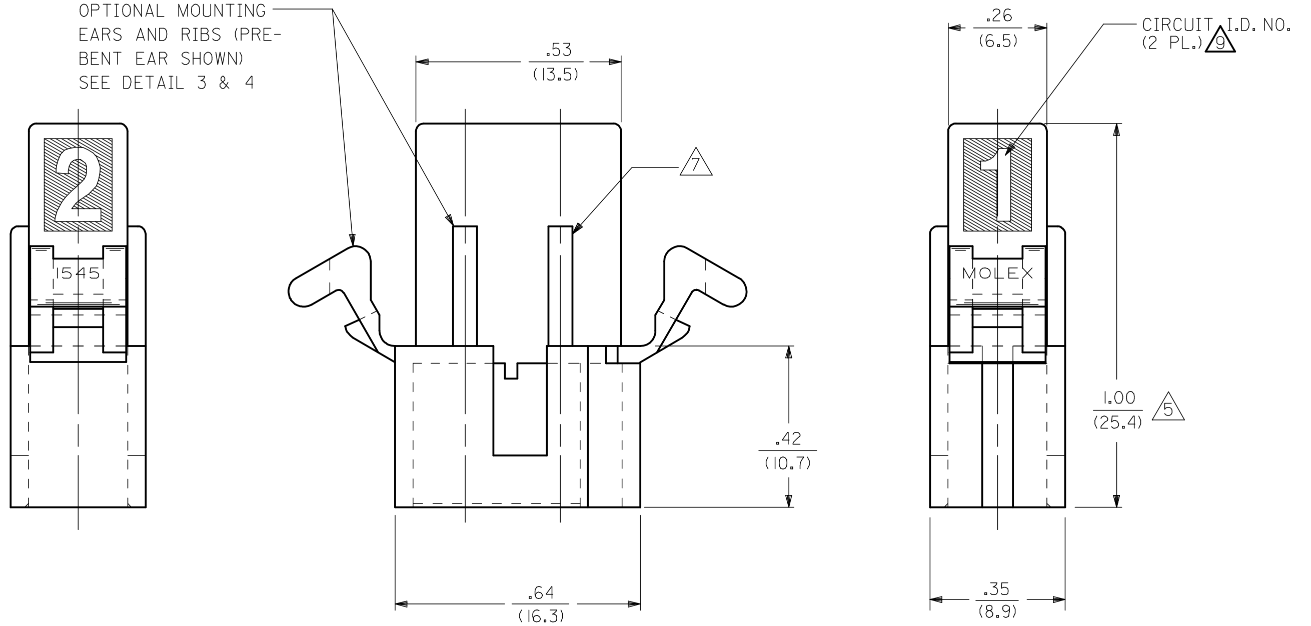
**Mates With**
42191 Pin and Socket Receptacle

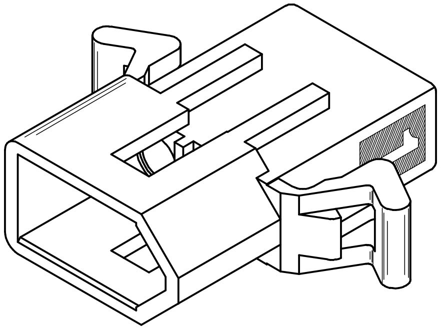
**Use With**
1189 Crimp Terminals, 1190 Crimp Terminals, 1376 Male PC Tail Terminals, 1377 Female PC Tail Terminals, 1380 Male Crimp Terminals, 1381 Female Crimp Terminals, 1433 Crimp Terminals, 1434 Male Crimp Terminals, 1973 Male Crimp Terminals

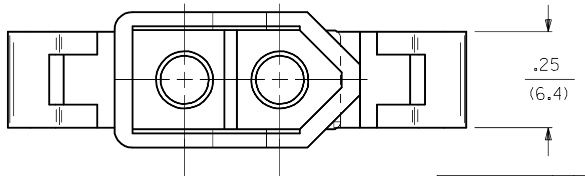

.208
(5.28)
DIA. TERMINAL ENTRY FOR TOOLS BUILT AFTER FEB. 1985.
(SEE DETAIL I FOR OPTIONAL CONFIGURATION.)
1545
MX
2
MOLEX
.35
(9.0)



DETAIL "I"


OPTIONAL MOUNTING EARS AND RIBS (PRE-BENT EAR SHOWN) SEE DETAIL 3 & 4
2
1545
.53
(13.5)
7
.42
(10.7)
.64
(16.3)
.26
(6.5)
CIRCUIT I.D. NO. (2 PL.) 9
1
MOLEX
1.00
(25.4)
5
.35
(8.9)





| UPDATE NOTE REF. | DESCRIPTION |
|---|---|
| EC NO: UCP2006-2303 | |
| DRWN:PRIDDER 2006/04/13 | |
| CH'KD:AELHAG 2006/04/13 | |
| APPR:FSMITH 2006/04/17 | |
| U1 | REV |

QUALITY SYMBOLS
▼=0
▽ C =0

| GENERAL TOLERANCES (UNLESS SPECIFIED) | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .014 |
| 1 PLACE | ± 0.35 | ± --- |
| ANGULAR ±1/2° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

| DIMENSION STYLE | SCALE | DESIGN UNITS | |
|---|---|---|---|
| IN/MM | 4:1 | INCH | THIRD ANGLE PROJECTION |

| | | |
|---|---|---|
| DRAWN BY | DATE | |
| GEP | 8/9/88 | |
| CHECKED BY | DATE | |
| RW | 8/9/88 | |
| APPROVED BY | DATE | |
| RAS | 8/9/88 | |
| MATERIAL NO. | | |
| SEE CHART | | |

TITLE

## .093/(2.36) HOUSING, PLUG & RECEPTACLE, 2 CKT., .248/(6.30) CTR.

MOLEX INCORPORATED

| DOCUMENT NO. | SHEET NO. |
|---|---|
| SD-1545-* | 1 OF 3 |

SIZE C

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## PLUG

| PART NO. | ENG. NO. |
|---|---|
| 03-09-2021 | 1545-P |
| 03-09-2022 | 1545-P1 |
| 03-09-7021 | 1545-PBK |
| 03-09-7022 | 1545-P1BK |
| 03-09-2023 | 1545-P2 |
| 03-09-7024 | 1545-P1RD |
| 03-09-7023 | 1545-P1BU |
| 50-36-1686 | 1545-P1-1 |

## RECEPTACLE

| PART NO. | ENG. NO. |
|---|---|
| 03-09-6021 | 1545-R3BK |
| 03-09-6023 | 1545-R3RD |
| 03-09-6024 | 1545-R3BU |
| 03-09-1022 | 1545-R1 |
| 03-09-1023 | 1545-R2 |
| 03-09-6025 | 1545-R1BU |
| 03-09-1027 | 1545-R3 |
| 50-36-1685 | 1545-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 |

BLANK = MATERIAL CODE A
1 = MATERIAL CODE B

## LEGEND : RECEPTACLE

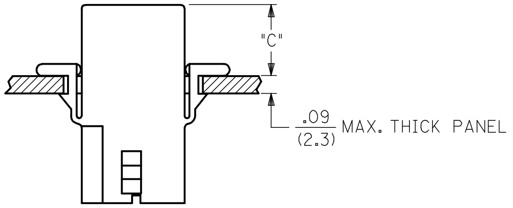
1545-R***-*

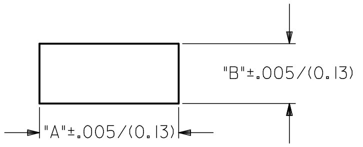
BLANK = WITH STD. EARS & RAMPS
1 = WITHOUT EARS, WITH RAMPS
2 = WITHOUT EARS, WITHOUT RAMPS
3 = WITH PREBENT EARS & RAMPS

COLOR: BLANK=NATURAL COLOR

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

BLANK = MATERIAL CODE A
1 = MATERIAL CODE B

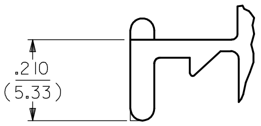




RECOMMENDED PANEL OPENING

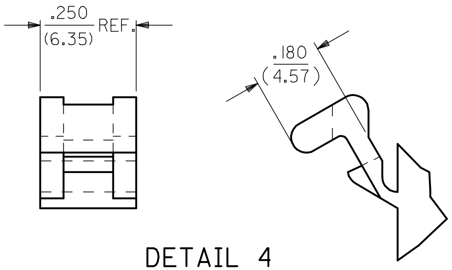
(SCALE 2:1)

| 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
(SCALE 4:1)



### DETAIL 4

.093/(2.36) PREBENT MOUNTING EAR
(SCALE 4:1)

NOTES:

1. MATERIAL: - A = NYLON, PA66, 94V-2. COLOR: SEE LEGEND.
   B = UL94V-0, PA6 NYLON, IEC 60335-1, 4TH EDITION GLOW WIRE CAPABLE.
2. FINISH: NONE.
3. PRODUCT SPECIFICATION: PS-02-09.
4. PACKAGING INFORMATION: PK-1545-001
5. .97/(24.6) REF. FOR TOOLS BUILT PRIOR TO FEB. 1985.
6. 1.00/(25.4) REF. FOR TOOLS BUILT PRIOR TO FEB. 1985.
7. RIBS ARE PRESENT ONLY ON PARTS WITH MOUNTING EARS.
8. 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 .
9. CIRCUIT I.D. NUMBERS ON SIDE OF HOUSING APPEAR ON PARTS FROM TOOLS BUILT AFTER 11/25/91.
10. PARTS CONFORM TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002 EXCEPT MATERIAL OPTION 'B' MEETS CLASS 'C' REQUIREMENTS FOR SINK AND DISCOLORATION.

| REV | DESCRIPTION |
|---|---|
| V | ADD MAT'L & P/N'S<br>EC NO: UCP2007-2366<br>DRWN:AELHAG 2007/05/25<br>CH'KD:LSCHMIDT 2007/06/01<br>APPR:FSMITH 2007/06/04 |

QUALITY SYMBOLS
▼=0
▽C=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .014 |
| 1 PLACE | ± 0.35 | ± --- |
| ANGULAR ± 1 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 2:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

| | | |
|---|---|---|
| DRAWN BY | GEP | DATE 8/9/88 |
| CHECKED BY | RW | DATE 8/9/88 |
| APPROVED BY | RAS | DATE 8/9/88 |

TITLE
.093/(2.36) HOUSING,
PLUG & RECEPTACLE,
2 CKT., .248/(6.30) CTR.

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-1545-*
SHEET NO.: 3 OF 3
SIZE: C

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