

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0003097022](#)
Status: **Active**
Overview: [standard_093](#)
Description: 2.36mm (.093") Diameter Standard .093" Pin and Socket Plug Housing, 2 Circuits, Without Mounting Ears, Black

Documents:

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

Agency Certification

CSA	LR19980
UL	E29179

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
Overview	standard_093
Product Name	Standard .093"

Physical

Breakaway	No
Circuits (maximum)	2
Circuits Detail	1x2
Color - Resin	Natural
Flammability	94V-2
Gender	Female
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	No
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

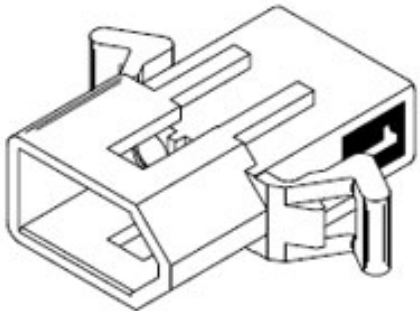
Current - Maximum per Contact	14A
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Material Info

Old Part Number	1545P1BK
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Reference - Drawing Numbers

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



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

**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.

China RoHS



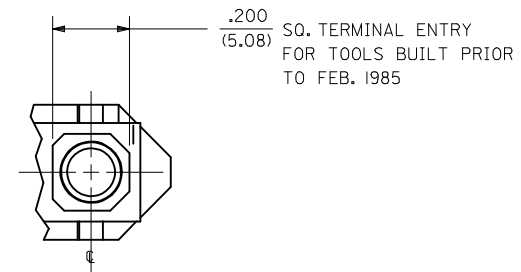
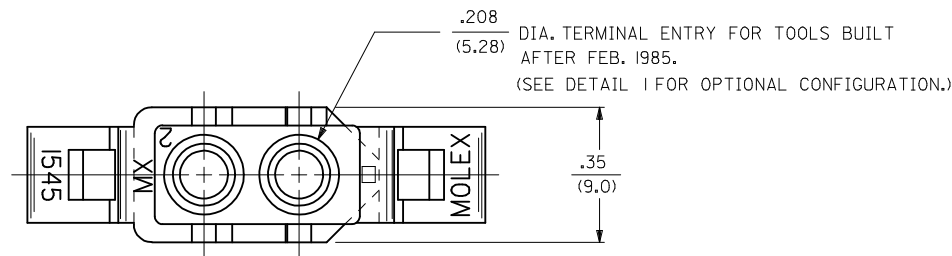
Search Parts in this Series

[1545Series](#)

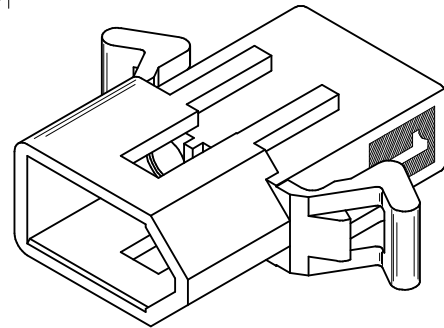
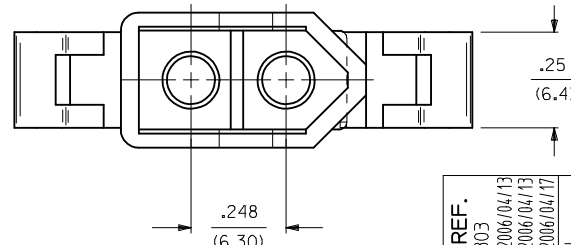
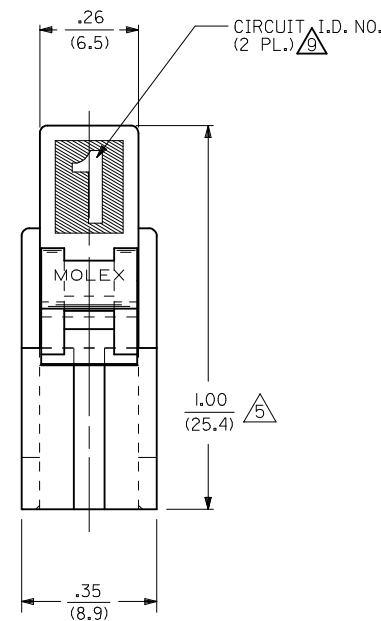
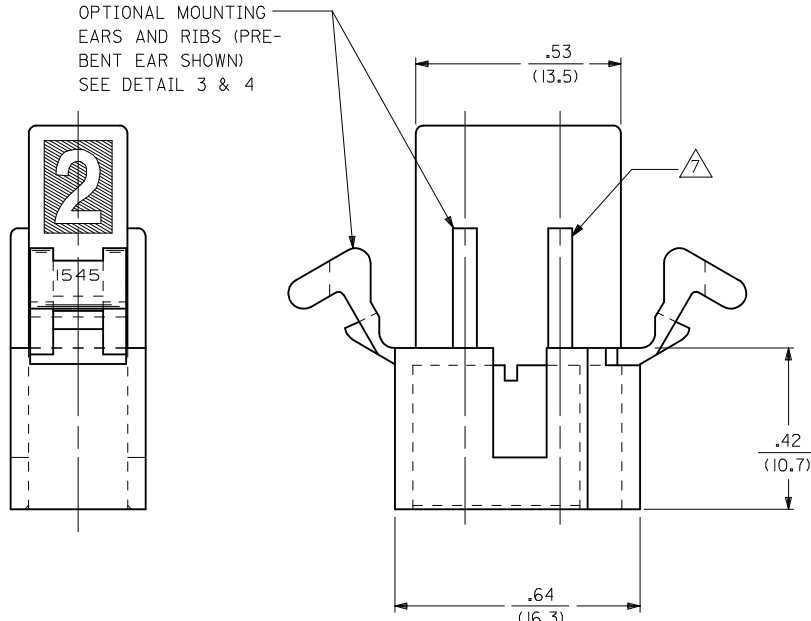
Mates With

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
Terminal



DETAIL "I"



UPDATE NOTE REF. EC NO: UCP2006-2303 DRAWN/PRD: 2006/04/13 CHKD: AELHAG APPR: FSMITH 2006/04/17	QUALITY SYMBOLS ▽=0 ▽=0	DESIGNATION U1	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION		
						DRAWN BY GEP		DATE 8/9/88	TITLE .093/(2.36) HOUSING, PLUG & RECEPTACLE, 2 CKT., .248/(6.30) CTR.			
						CHECKED BY RW		DATE 8/9/88				
						APPROVED BY RAS		DATE 8/9/88				
				ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.			SHEET NO.	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-1545-*			1 OF 3	
						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

I545-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

I545-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

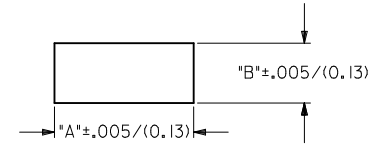
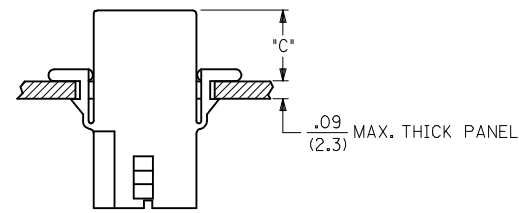
OR=ORANGE RD=RED YW=YELLOW

BLANK = MATERIAL CODE A _____

1 = MATERIAL CODE B

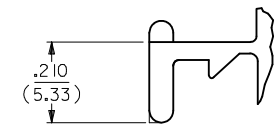
NOTES:

- MATERIAL: - A = NYLON, PA66, 94V-2. COLOR: SEE LEGEND.
B = UL94V-0, PA6 NYLON, IEC 60335-1, 4TH EDITION GLOW WIRE CAPABLE.
- 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.



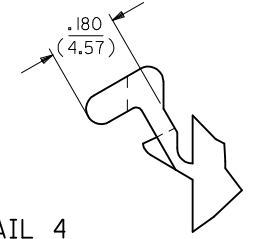
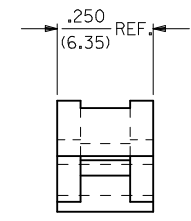
RECOMMENDED PANEL OPENING
(SCALE 2:1)

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)

ADD MAT'L & P/N'S
EC NO: UCP2007-2366
DRWN: AELHAG
CHKD: LSCMIDT
APPR: FSMITH

2007/05/25
2007/06/01
2007/06/04

DESCRIPTION
REV

QUALITY SYMBOLS
▽=0
▽=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

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

SCALE
2:1

DESIGN UNITS
INCH

THIRD ANGLE PROJECTION

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

MATERIAL NO.
SEE CHART

DOCUMENT NO.
SD-1545-*

SHEET NO.
3 OF 3

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Rev. D 2004/04/02

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