

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0003092041](#)
Status: **Active**
Overview: [standard_093](#)
Description: 2.36mm (.093") Diameter Standard .093" Pin and Socket Plug Housing, 4 Circuits, Single Row

Documents:

- | | |
|---|---|
| 3D Model | Product Specification PS-1490-002 (PDF) |
| Packaging Specification (PDF) | Product Specification PS-42477 (PDF) |
| Drawing (PDF) | Product Specification PS-43660-9999 (PDF) |
| Product Specification PS-02-09 (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-1490-001 (PDF) | |

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Crimp Housings
Series	1490
Comments	14.0A max. can be achieved when housing is used with 42477 or 42478 terminals
MolexKits	Yes
Overview	standard_093
Product Name	Standard .093"

Physical

Circuits (maximum)	4
Circuits Detail	(1 x 4)
Color - Resin	Natural
Flammability	94V-2
Gender	Dual
Glow-Wire Compliant	No
Material - Resin	Nylon
Number of Rows	1
Packaging Type	Bag
Panel Mount	Yes
Pitch - Mating Interface (in)	0.198 In
Pitch - Mating Interface (mm)	5.03 mm
Stackable	No
Temperature Range - Operating	-40°C to +105°C

Electrical

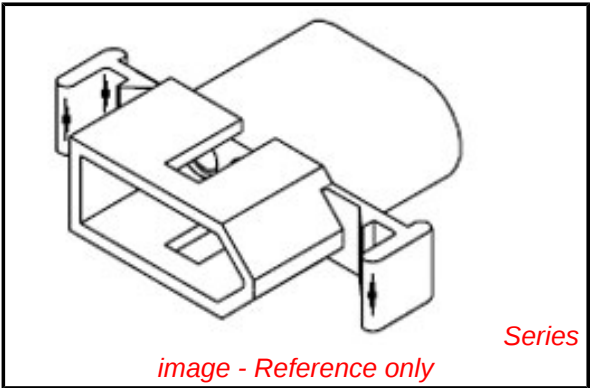
Current - Maximum per Contact	11A
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Material Info

Old Part Number	1490-P
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Reference - Drawing Numbers

Packaging Specification	PK-1490-001
Product Specification	PS-02-09, PS-1490-001, PS-1490-002, PS-42477, PS-43660-9999
Sales Drawing	SD-1490-*



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Halogen-Free

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

[1490Series](#)

Mates With

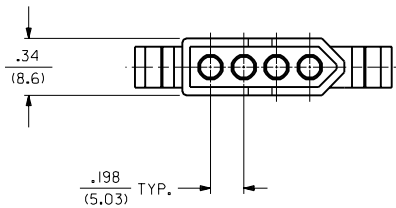
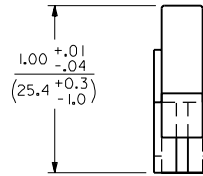
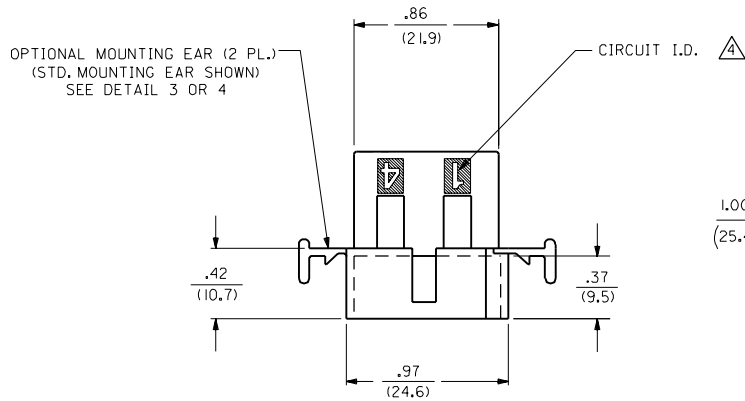
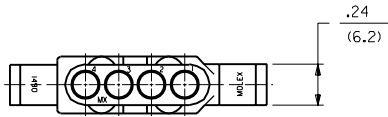
1490r

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](#) , [2151](#) , [2273](#) , [2870](#) , [2871](#) , [4272](#) , [4550](#) , [6271](#) , [6310](#) , [42477](#) , [42478](#)

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PLUG



PLUG HOUSING

T	3	T
S	2	T
R	1	T
P	1	T
MFG.	SH.	REV.

T	ADD -PIBU VERSION PER ECN #U3 I537 10-21-93 RW
S	REVISE PER ECR U1 I686 8/9/91 RW
R1	ADD EDP'S & REVISE SUFFICES, ECR U10834 4/24/91 RW
R	REV. LENGTH TOL. ECN #U1 0685 3-22-91 RW
P	REV. & REDRAWN, ECR UB I139 3-8-88 RW
LTR.	REVISIONS

DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± .25°		TITLE .093/(2.36) HOUSING, PLUG AND RECEPTACLE, 4 CKT ± .198/(5.03) CTRS.	
3 PLACE ± .010	INCH	2 PLACE ± .014	METRIC
2 PLACE ± .014	INCH	1 PLACE ---	METRIC
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
DRWG. BY CEP	CHKD. BY RW	FILE NAME SD I490X1	REV. CP
APP'D. BY RAS	SCALE 2 : 1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	SIZE CP

PART NO. SEE CHART		DRWG. NO. SD-I490--	
MOLEX INCORPORATED		SHEET NO. 1 OF 3	
LITSEJLL. 60532		DATE 3/9/88	

PLUG		RECEPTACLE	
PART NO.	ENG. NO.	PART NO.	ENG. NO.
03-09-2041	I490-P	03-09-1041	I490-R
03-09-2042	I490-PI	03-09-1042	I490-RI
03-09-7041	I490-PBK	03-09-6041	I490-RBK
03-09-7042	I490-PIBK	03-09-6042	I490-RIBK
PRELIMINARY	I490-P2	03-09-1043	I490-R2
03-09-3042	I490-PIBU	03-09-6043	I490-RBU
		03-09-6045	I490-RGN

LEGEND:

I490-***-*

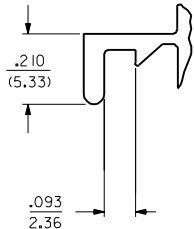
P = PLUG
R = RECEPTACLE

BLANK = WITH STANDARD EARS
1 = WITHOUT EARS
2 = WITH PREBENT EARS, PER DETAIL 4

COLOR: BLANK=NATURAL COLOR

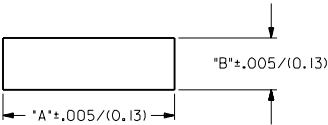
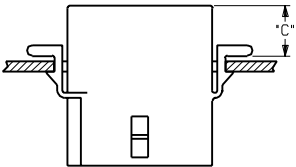
AM=AMBER BK=BLACK BU=BLUE
BN=BROWN GY=GRAY GN=GREEN
OR=ORANGE RD=RED YW=YELLOW

BLANK = MATERIAL CODE A

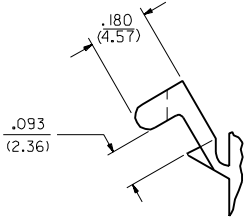
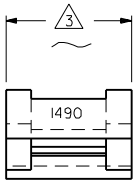


DETAIL 3

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



HOUSING	DIM. *A*	DIM. *B*	DIM. *C*
PLUG	1.131/(28.73)	.375/(9.52)	.36/(9.1)
RECEPTACLE	1.038/(26.36)	.312/(7.92)	.37/(9.4)



DETAIL 4

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

NOTES:

- MATERIAL CODES:
A = NYLON 6/6, 94V-2
- THIS PART COMPLIES WITH MOLEX PRODUCT SPEC. 02-09.
- FOR DIMENSION SEE SHEET 1 AND 2.
- CIRCUIT I.D. NUMBERS ON HOUSING APPEAR ON PARTS FROM TOOLS BUILT AFTER 8/7/91.

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DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± .001 TO		▽ = 0 ▼ = 0		REVISE ONLY ON CAD SYSTEM	
INCH		METRIC		TITLE	
3 PLACE	± .010	---	---	.093/(2.36) HOUSINGS, PLUG AND RECEPTACLE, 4 CKT ± .198/(5.03) CTRS.	
2 PLACE	± .014	± 0.25	---	MOLEX INCORPORATED	
1 PLACE	---	± 0.35	---	LITEL, L.L.C. 60532 U.S.A.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		PART NO.		SHEET NO. 3	
DRWG. BY CEP		CHKD. BY RW		DATE 3/10/88	
APP'D. BY RAS		SCALE 2 : 1		SEE CHART	
LTR. REVISIONS		LTR. REVISIONS		SD-1490-*	

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