

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0003092049](#)
Status: **Active**
Overview: [standard_093](#)
Description: 2.36mm (.093") Diameter Standard .093 Pin and Socket Plug Housing, 4 Circuits, Dual Row

Documents:
[3D Model](#)
[Packaging Specification \(PDF\)](#)
[Drawing \(PDF\)](#)
[Product Specification PS-02-09 \(PDF\)](#)
[Product Specification PS-43660-9999 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family Crimp Housings
Series [2163](#)
Comments 14.0A max. can be achieved when housing is used with 42477 or 42478 terminals
Overview [standard_093](#)
Product Name Standard .093"

Physical

Circuits (maximum) 4
Circuits Detail (2 x 2)
Color - Resin Natural
Flammability 94V-2
Gender Dual
Glow-Wire Compliant No
Material - Resin Nylon
Number of Rows 2
Packaging Type Bag
Panel Mount No
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

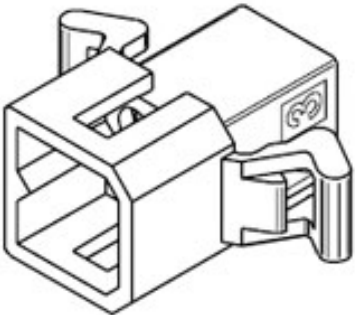
Current - Maximum per Contact 11A

Material Info

Old Part Number 2163-P1

Reference - Drawing Numbers

[Packaging Specification](#) PK-2163-001
[Product Specification](#) PS-02-09, PS-43660-9999
[Sales Drawing](#) SD-2163-*



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

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.

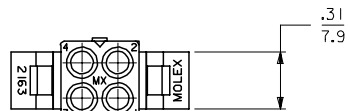
Search Parts in this Series
[2163Series](#)

Mates With
[2163r](#)

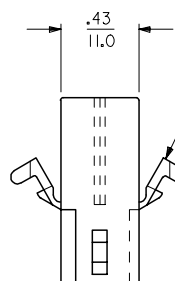
Use With
[1189](#) Crimp Terminals, [1190](#) Crimp Terminals, [1376](#) Male PC Tail Terminals, [1377](#) Female PC Tail Terminals, [1380](#) Male Crimp Terminals, [1381](#) Female Crimp Terminals, [1433](#) Crimp Terminals, [1434](#) Male Crimp Terminals, [1973](#) , [2151](#) , [2273](#) , [2870](#) , [2871](#) , [4272](#) , [4550](#) , [6271](#) , [6310](#) , [42477](#) , [42478](#)

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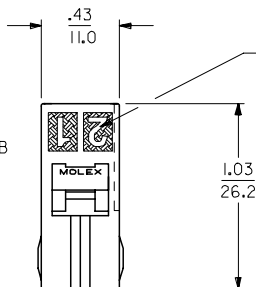
RECEPTACLE



CIRCUIT NUMBERS



MOUNTING EAR
(WHEN SPECIFIED)
SEE DETAIL A OR B

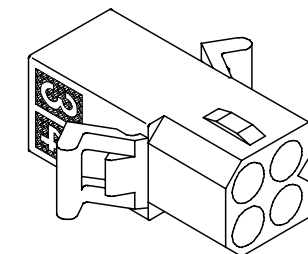


CIRCUIT I.D.
(4 PL.)

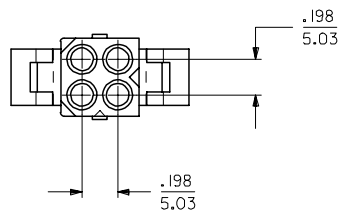


OPTIONAL POSITIVE LOCK
(ONE SIDE ONLY)

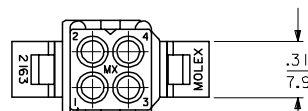
8



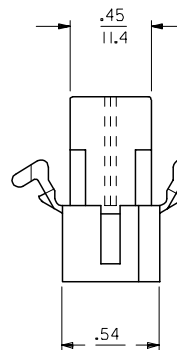
SHOWN WITH PREBENT MOUNTING EAR



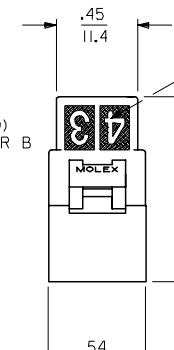
PLUG



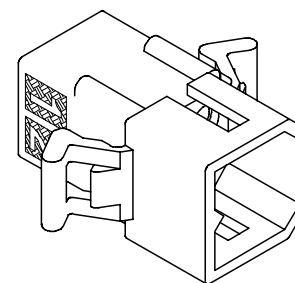
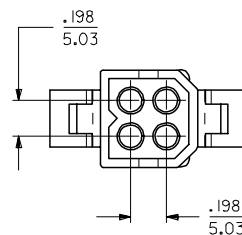
CIRCUIT NUMBERS



MOUNTING EAR
(WHEN SPECIFIED)
SEE DETAIL A OR B



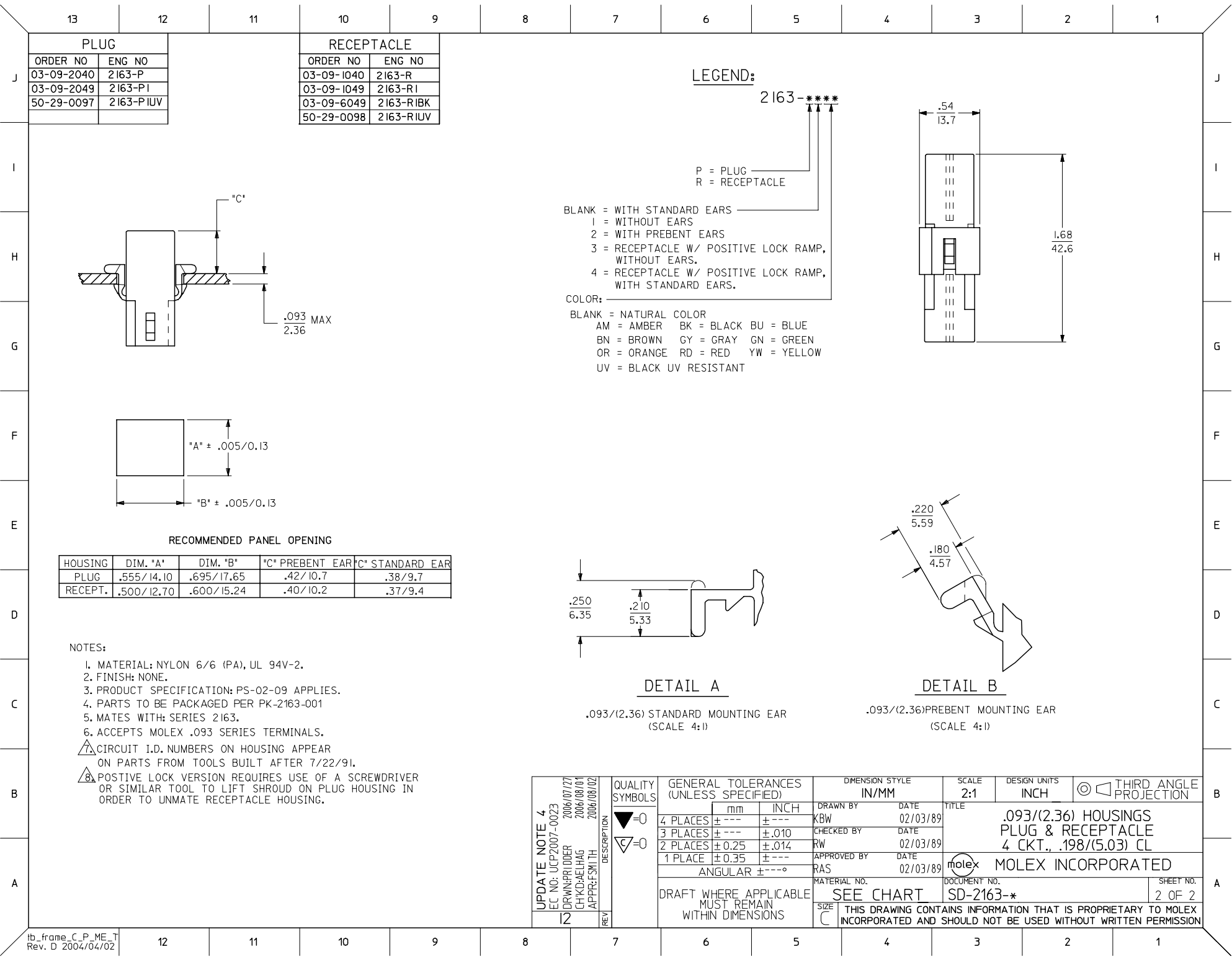
CIRCUIT I.D.
(4 PL.)



SHOWN WITH PREBENT MOUNTING EAR

2	I2
1	I2
SHT.	REV.

UPDATE NOTE 4		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: UCP2007-0023		DESCRIPTION				IN/MM		2:1		INCH			
2006/07/27		▽=0		mm INCH		DRAWN BY DATE		TITLE					
2006/08/10		▽=0		4 PLACES ± --- ± ---		KBW 02/03/89		.093/(2.36) HOUSINGS					
2006/08/10				3 PLACES ± --- ± .010		CHECKED BY DATE		PLUG & RECEPTACLE					
2006/08/10				2 PLACES ± 0.25 ± .014		RW 02/03/89		4 CKT., .198/(5.03) CL					
2006/08/10				1 PLACE ± 0.35 ± ---		APPROVED BY DATE		MOLEX INCORPORATED					
2006/08/10				ANGULAR ± --- °		RAS 02/03/89							
2006/08/10				DRAFT WHERE APPLICABLE		MATERIAL NO.		DOCUMENT NO.				SHEET NO.	
2006/08/10				MUST REMAIN		SEE CHART		SD-2163-*				1 OF 2	
2006/08/10				WITHIN DIMENSIONS		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



PLUG	
ORDER NO	ENG NO
03-09-2040	2163-P
03-09-2049	2163-PI
50-29-0097	2163-PIUV

RECEPTACLE	
ORDER NO	ENG NO
03-09-1040	2163-R
03-09-1049	2163-RI
03-09-6049	2163-RIBK
50-29-0098	2163-RIUV

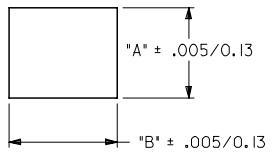
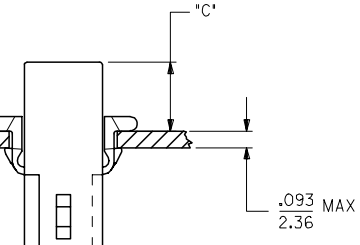
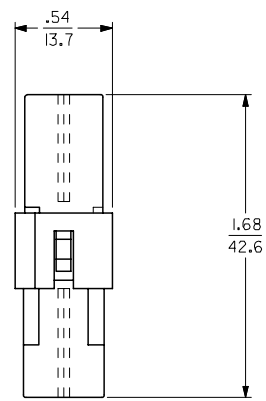
LEGEND:

2163-****

P = PLUG
R = RECEPTACLE

BLANK = WITH STANDARD EARS
1 = WITHOUT EARS
2 = WITH PREBENT EARS
3 = RECEPTACLE W/ POSITIVE LOCK RAMP, WITHOUT EARS.
4 = RECEPTACLE W/ POSITIVE LOCK RAMP, WITH STANDARD EARS.

COLOR:
BLANK = NATURAL COLOR
AM = AMBER BK = BLACK BU = BLUE
BN = BROWN GY = GRAY GN = GREEN
OR = ORANGE RD = RED YW = YELLOW
UV = BLACK UV RESISTANT

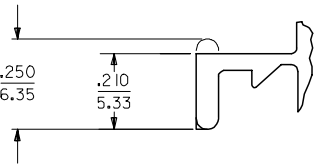


RECOMMENDED PANEL OPENING

HOUSING	DIM. "A"	DIM. "B"	"C" PREBENT EAR	"C" STANDARD EAR
PLUG	.555/14.10	.695/17.65	.42/10.7	.38/9.7
RECEPT.	.500/12.70	.600/15.24	.40/10.2	.37/9.4

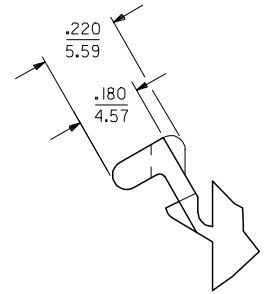
NOTES:

1. MATERIAL: NYLON 6/6 (PA), UL 94V-2.
2. FINISH: NONE.
3. PRODUCT SPECIFICATION: PS-02-09 APPLIES.
4. PARTS TO BE PACKAGED PER PK-2163-001
5. MATES WITH: SERIES 2163.
6. ACCEPTS MOLEX .093 SERIES TERMINALS.
7. CIRCUIT I.D. NUMBERS ON HOUSING APPEAR ON PARTS FROM TOOLS BUILT AFTER 7/22/91.
8. POSITIVE LOCK VERSION REQUIRES USE OF A SCREWDRIVER OR SIMILAR TOOL TO LIFT SHROUD ON PLUG HOUSING IN ORDER TO UNMATE RECEPTACLE HOUSING.



DETAIL A

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



DETAIL B

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

UPDATE NOTE 4 EC NO: UCP2007-0023 DRAWN BY: DER CHKD: AELHAG APPR: FSI TH REV: 12	QUALITY SYMBOLS ▽=0 ◇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
			mm	INCH	DRAWN BY KBW	DATE 02/03/89	TITLE .093/(2.36) HOUSINGS PLUG & RECEPTACLE 4 CKT., .198/(5.03) CL	
		4 PLACES	± .---	± .---	CHECKED BY RW	DATE 02/03/89		
		3 PLACES	± .---	± .010				
		2 PLACES	± 0.25	± .014	APPROVED BY RAS	DATE 02/03/89	MOLEX MOLEX INCORPORATED	
		1 PLACE	± 0.35	± .---				
	ANGULAR ± .---		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-2163-*		2 OF 2	
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							