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Part Number: [0439151121](#)
Status: **Active**
Description: 10.00mm (.394") Pitch Mini-Fit Sr.™ Header, Dual Row, Vertical, Surface Mount Compatible, with Solderable Retention Clip, 10 Circuits, 2.36mm (.093") PCB Thickness, Tin (Sn) Plating

Documents:

3D Model	Product Specification PS-42815-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

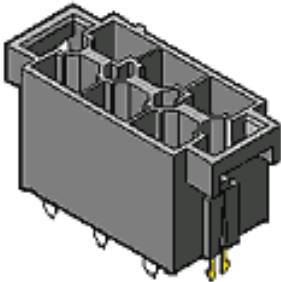
CSA	LR19980
TUV	R9950481
UL	E29179

General

Product Family	PCB Headers
Series	43915
Application	Wire-to-Board
Comments	High Temperature Solder Type
Product Name	Mini-Fit Sr.™

Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Black
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.093 In
PCB Thickness Recommended (mm)	2.40 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.394 In
Pitch - Mating Interface (mm)	10.00 mm
Plating min: Mating (µin)	100
Plating min: Mating (µm)	2.50
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.50
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole



Series

image - Reference only

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

[43915Series](#)

Mates With

[43914](#) Mini-Fit Sr.™ Receptacle Housing

Electrical

Current - Maximum per Contact	50A
Voltage - Maximum	600V

Solder Process Data

Duration at Max. Process Temperature (seconds)	8
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	265

Material Info

Reference - Drawing Numbers

Product Specification	PS-42815-001, RPS-42815-001, RPS-42815-011, RPS-42815-012, RPS-42815-013, RPS-42815-014, RPS-42815-015
Sales Drawing	SD-43915-002

This document was generated on 04/21/2010

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	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1										
	MATERIAL NUMBER	CIRCUITS	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"	PCB THICKNESS	QUANTITY OF POLARIZING SLOTS	TERMINAL PLATING																				
M	43915-1101	6	3.141/(1.237)	20.00/(.787)	3.50/(.137)	L80/(.071)	30.90/(1.217)	1.57/(.062)	1	OVERALL TIN		NOTES: 1. MATERIALS: HOUSING: 30% GLASS FILLED NYLON 4/6, U.L. 94V-0, COLOR: BLACK. TERMINAL: ALLOY 151 PLATING: *TIN OVER NICKEL, OR SELECT GOLD AND TIN OVER NICKEL. (SEE CHART) * THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO ROHS DIRECTIVE 2002/95/EC." AND ELY ANNEX II OF DIRECTIVE 2002/95/EC. CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD. 2. PRODUCT SPEC.: PSX-42815-0001 3. PARTS ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE. 4. PART MATES WITH MOLEX RECEPTACLE 43914. 5. WHEN USING OVERALL TIN PLATED TERMINALS: FOR APPLICATIONS INVOLVING VIBRATION AND/OR THERMAL CYCLING, MOLEX STRONGLY RECOMMENDS THE USE OF NYE LUBRICANT INVOGEL 760G) ON THE MATING SURFACES OF THE TERMINAL. 6. POLARIZING SLOTS TO BE LOCATED BETWEEN CIRCUITS ON EITHER END OF HOUSING OF THE CIRCUIT 1 ROW, AS SHOWN. EXCEPTION: THE 6 CIRCUIT HOUSING WILL HAVE A SINGLE SLOT ON THE CIRCUIT 1 END ONLY.																		
	43915-1102	8	4.141/(1.630)	30.00/(1.181)	3.50/(.137)	L80/(.071)	40.90/(1.610)		2																					
	43915-1103	10	5.141/(2.024)	40.00/(1.575)	3.50/(.137)	L80/(.071)	50.90/(2.004)		2																					
	43915-1104	12	6.141/(2.418)	50.00/(1.969)	3.50/(.137)	L80/(.071)	60.90/(2.398)		2																					
	43915-1105	14	7.141/(2.811)	60.00/(2.362)	3.50/(.137)	L80/(.071)	70.90/(2.791)		2																					
	43915-1106	6	3.141/(1.237)	20.00/(.787)	5.10/(.201)	2.60/(.102)	30.90/(1.217)		1																					
	43915-1107	8	4.141/(1.630)	30.00/(1.181)	5.10/(.201)	2.60/(.102)	40.90/(1.610)		2																					
	43915-1108	10	5.141/(2.024)	40.00/(1.575)	5.10/(.201)	2.60/(.102)	50.90/(2.004)		2																					
	43915-1109	12	6.141/(2.418)	50.00/(1.969)	5.10/(.201)	2.60/(.102)	60.90/(2.398)		2																					
	43915-1110	14	7.141/(2.811)	60.00/(2.362)	5.10/(.201)	2.60/(.102)	70.90/(2.791)		2																					
L	43915-1111	6	3.141/(1.237)	20.00/(.787)	5.10/(.201)	3.40/(.134)	30.90/(1.217)	3.18/(.125)	1	OVERALL TIN																				
	43915-1112	8	4.141/(1.630)	30.00/(1.181)	5.10/(.201)	3.40/(.134)	40.90/(1.610)		2																					
	43915-1113	10	5.141/(2.024)	40.00/(1.575)	5.10/(.201)	3.40/(.134)	50.90/(2.004)		2																					
	43915-1114	12	6.141/(2.418)	50.00/(1.969)	5.10/(.201)	3.40/(.134)	60.90/(2.398)		2																					
	43915-1115	14	7.141/(2.811)	60.00/(2.362)	5.10/(.201)	3.40/(.134)	70.90/(2.791)		2																					
	43915-1116	6	3.141/(1.237)	20.00/(.787)	8.30/(.327)	6.58/(.259)	30.90/(1.217)		1																					
	43915-1117	8	4.141/(1.630)	30.00/(1.181)	8.30/(.327)	6.58/(.259)	40.90/(1.610)		2																					
	43915-1118	10	5.141/(2.024)	40.00/(1.575)	8.30/(.327)	6.58/(.259)	50.90/(2.004)		2																					
	43915-1119	12	6.141/(2.418)	50.00/(1.969)	8.30/(.327)	6.58/(.259)	60.90/(2.398)		2																					
	43915-1120	14	7.141/(2.811)	60.00/(2.362)	8.30/(.327)	6.58/(.259)	70.90/(2.791)		2																					
K	43915-1121	10	5.141/(2.024)	40.00/(1.575)	3.50/(.137)	2.60/(.102)	50.90/(2.004)	2.36/(.093)	2	OVERALL TIN																				
	43915-1122	12	6.141/(2.418)	50.00/(1.969)	3.50/(.137)	2.60/(.102)	60.90/(2.398)		2																					
	43915-1123	14	7.141/(2.811)	60.00/(2.362)	3.50/(.137)	L80/(.071)	70.90/(2.791)		2																					
	43915-1201	6	3.141/(1.237)	20.00/(.787)	3.50/(.137)	L80/(.071)	30.90/(1.217)		1																					
	43915-1202	8	4.141/(1.630)	30.00/(1.181)	3.50/(.137)	L80/(.071)	40.90/(1.610)		2																					
	43915-1203	10	5.141/(2.024)	40.00/(1.575)	3.50/(.137)	L80/(.071)	50.90/(2.004)		2																					
	43915-1204	12	6.141/(2.418)	50.00/(1.969)	3.50/(.137)	L80/(.071)	60.90/(2.398)		2																					
	43915-1205	14	7.141/(2.811)	60.00/(2.362)	3.50/(.137)	L80/(.071)	70.90/(2.791)		2																					
	43915-1206	6	3.141/(1.237)	20.00/(.787)	5.10/(.201)	2.60/(.102)	30.90/(1.217)		1																					
	43915-1207	8	4.141/(1.630)	30.00/(1.181)	5.10/(.201)	2.60/(.102)	40.90/(1.610)		2																					
J	43915-1208	10	5.141/(2.024)	40.00/(1.575)	5.10/(.201)	2.60/(.102)	50.90/(2.004)	2.36/(.093)	2	OVERALL TIN																				
	43915-1209	12	6.141/(2.418)	50.00/(1.969)	5.10/(.201)	2.60/(.102)	60.90/(2.398)		2																					
	43915-1210	14	7.141/(2.811)	60.00/(2.362)	5.10/(.201)	2.60/(.102)	70.90/(2.791)		2																					
	43915-1211	6	3.141/(1.237)	20.00/(.787)	5.10/(.201)	3.40/(.134)	30.90/(1.217)		1																					
	43915-1212	8	4.141/(1.630)	30.00/(1.181)	5.10/(.201)	3.40/(.134)	40.90/(1.610)		2																					
	43915-1213	10	5.141/(2.024)	40.00/(1.575)	5.10/(.201)	3.40/(.134)	50.90/(2.004)		2																					
	43915-1214	12	6.141/(2.418)	50.00/(1.969)	5.10/(.201)	3.40/(.134)	60.90/(2.398)		2																					
	43915-1215	14	7.141/(2.811)	60.00/(2.362)	5.10/(.201)	3.40/(.134)	70.90/(2.791)		2																					
	43915-1216	6	3.141/(1.237)	20.00/(.787)	8.30/(.327)	6.58/(.259)	30.90/(1.217)		1																					
	43915-1217	8	4.141/(1.630)	30.00/(1.181)	8.30/(.327)	6.58/(.259)	40.90/(1.610)		2																					
I	43915-1218	10	5.141/(2.024)	40.00/(1.575)	8.30/(.327)	6.58/(.259)	50.90/(2.004)	6.35/(.250)	2	OVERALL TIN		RECOMMENDED P.C. BOARD PLATED-THRU HOLE LAYOUT (14 CIRCUIT LAYOUT SHOWN)																		
	43915-1219	12	6.141/(2.418)	50.00/(1.969)	8.30/(.327)	6.58/(.259)	60.90/(2.398)		2																					
	43915-1220	14	7.141/(2.811)	60.00/(2.362)	8.30/(.327)	6.58/(.259)	70.90/(2.791)		2																					
	43915-1221	10	5.141/(2.024)	40.00/(1.575)	3.50/(.137)	2.60/(.102)	50.90/(2.004)		2																					