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Part Number: [0511100851](#)
Status: **Active**
Overview: [milligrid](#)
Description: 2.00mm (.079") Pitch, Milli-Grid™ Crimp Housing, 8 Circuits, with Center Polarization Key, without Locking Ramp, Leadfree

Documents:

3D Model	Product Specification PS-51110-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Crimp Housings
Series	51110
Comments	Applicable Wire Range: AWG #24 - #30
Overview	milligrid
Product Literature Order No	987650-1991
Product Name	Milli-Grid™

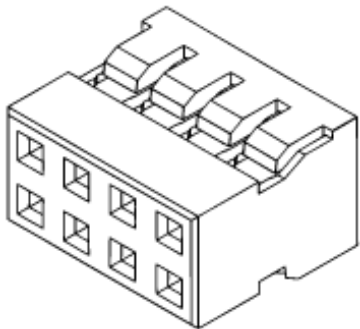
Physical

Circuits (maximum)	8
Color - Resin	Black
Flammability	94V-0
Gender	Female
Glow-Wire Compliant	No
Lock to Mating Part	None
Material - Resin	Polyester
Number of Rows	2
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Polarized to Mating Part	Yes
Stackable	Yes
Temperature Range - Operating	-40°C to +105°C

Material Info

Reference - Drawing Numbers

Product Specification	PS-51110-001
Sales Drawing	SD-51110-**5*



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.

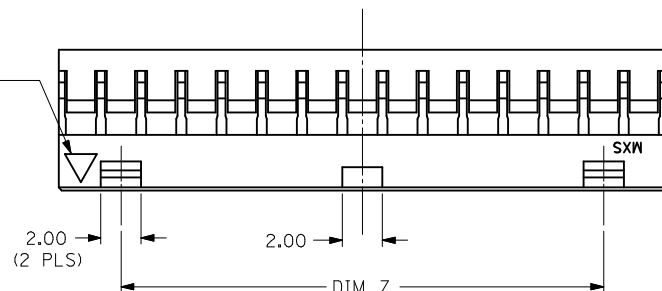
Search Parts in this Series
[51110Series](#)

Mates With

[87758](#) Vertical, Through Hole, Stackable
PCB Header, [87759](#) Vertical, Surface
Mount, Stackable PCB Header, [87760](#)
Right Angle, Through Hole, Stackable PCB
Header, [87831](#) Vertical, Through Hole PCB
Header, [87832](#) Vertical, Surface Mount PCB
Header, [87833](#) Right Angle, Through Hole
PCB Header

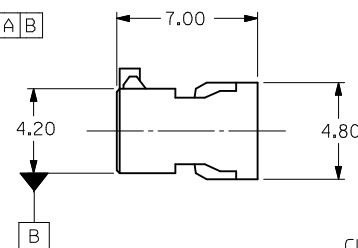
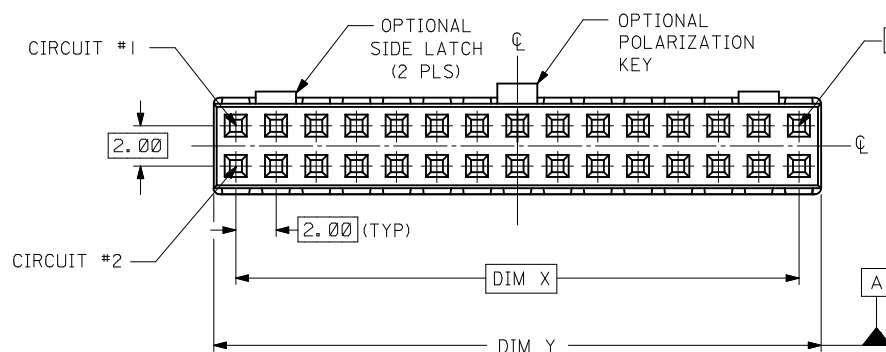
Use With

[50394](#) Crimp Terminals



1. MATERIAL: GLASS-FILLED POLYESTER UL RATED 94V-0
COLOR: BLACK
2. PART TO BE USED WITH CRIMP TERMINAL
PART NUMBER 50394-8***.
3. APPLICABLE WIRE RANGE: AWG #24 - #30.
4. WIRE INSULATION RANGE: DIAMETER 1.40MM MAXIMUM.
5. 30 CKT SHOWN FOR ILLUSTRATION ONLY.

PART NO.	CKT SIZE	DIM X	DIM Y	DIM Z
51110-045*	4	2.00	4.20	NA
51110-065*	6	4.00	6.20	NA
51110-085*	8	6.00	8.20	NA
51110-105*	10	8.00	10.20	NA
51110-125*	12	10.00	12.20	NA
51110-145*	14	12.00	14.20	8.00
51110-165*	16	14.00	16.20	10.00
51110-185*	18	16.00	18.20	12.00
51110-205*	20	18.00	20.20	14.00
51110-225*	22	20.00	22.20	16.00
51110-245*	24	22.00	24.20	18.00
51110-265*	26	24.00	26.20	20.00
51110-285*	28	26.00	28.20	22.00
51110-305*	30	28.00	30.20	24.00
51110-325*	32	30.00	32.20	26.00
51110-2252	22	20.00	22.20	NA



51110-**5*

CIRCUIT SIZE — 0 - WITHOUT CENTER POLARIZATION
KEY AND SIDE LATCH.

1 - WITH CENTER POLARIZATION KEY
AND SIDE LATCH.
(14 TO 32 CIRCUITS ONLY)
WITH CENTER POLARIZATION KEY ONLY.
(8 TO 12 CIRCUITS ONLY)

2 - WITH CENTER POLARIZATION KEY ONLY.
(22 CIRCUITS ONLY)

REV	DESCRIPTION
APPR:MLONG	2009/06/29
CHKD:ATSEE	2009/06/29
DRWN:SKANG	2009/06/17
EC NO: S2009-0969	
PDR#C200905064	

QUALITY
SYMBOLS

 = 0

 = 0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± .---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
SKTOH	1993/10/26
CHECKED BY	DATE
EDPOH	1993/10/26
APPROVED BY	DATE
JMCHAN	1993/10/26
MATERIAL NO.	
SEE TABLE	
SIZE	THIS DRAWING CONT
A3	INCORPORATED AND

SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE 2MM GRID, WIRE TO BOARD CONNECTOR, CRIMP RECEPT. HOUSING		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-51110--**5*		SHEET NO. 1 OF 1

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