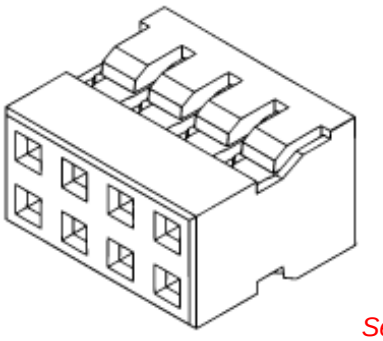
This document was generated on 05/19/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0511101851
Status: Active
Overview: milligrid
Description: 2.00mm (.079") Pitch, Milli-Grid™ Crimp Housing, 18 Circuits, with Center Polarization Key, with Locking Ramp, Leadfree



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- Product Specification PS-51110-001 (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)	18
Color - Resin	Black
Flammability	94V-0
Gender	Female
Glow-Wire Compliant	No
Lock to Mating Part	Yes
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*

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Not 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
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

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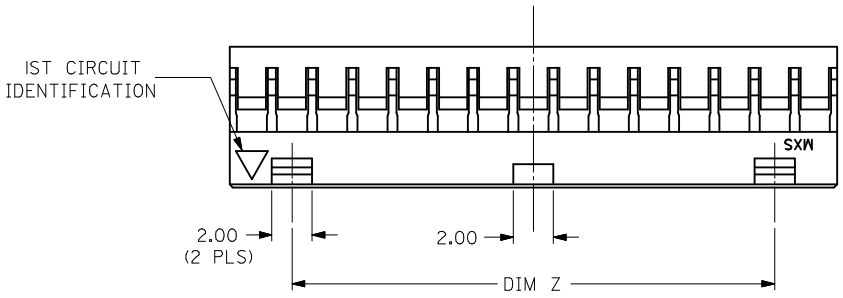
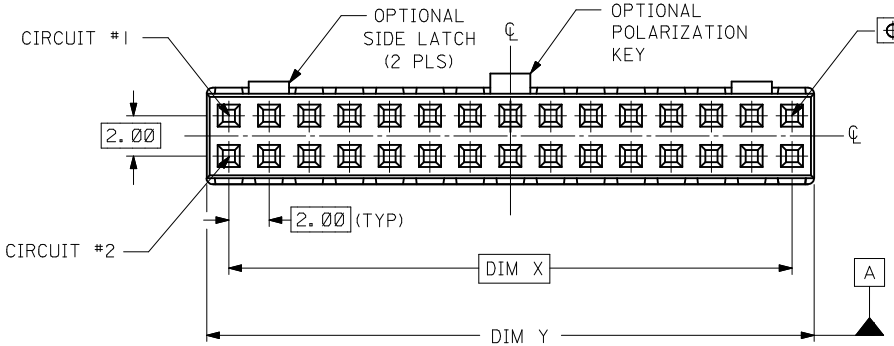
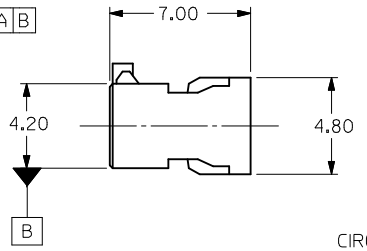
PART NO.	CKT SIZE	DIM X	DIM Y	DIM Z
51110-045*	4	2.00	4.20	NA
51110-065*	6	4.00	6.20	NA
51110-085*	8	6.00	8.20	NA
51110-105*	10	8.00	10.20	NA
51110-125*	12	10.00	12.20	NA
51110-145*	14	12.00	14.20	8.00
51110-165*	16	14.00	16.20	10.00
51110-185*	18	16.00	18.20	12.00
51110-205*	20	18.00	20.20	14.00
51110-225*	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

PLS REFER TO PART 51110-**60 FOR CENTER LATCH OPTION.



NOTES:
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.





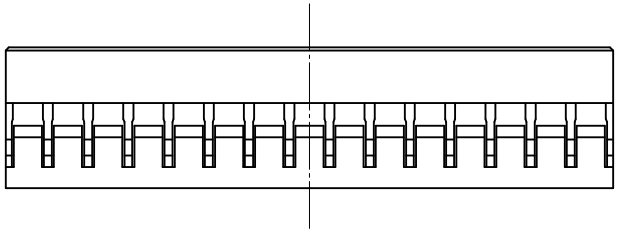
PART NUMBER LEGEND:

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)



PDR#C200905064
EC NO: S2009-0969
DRWN:SKANG 2009/06/17
CH'KD:ATSEE 2009/06/29
APPR:MLONG 2009/06/29
DESCRIPTION
REV
B5

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
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	SKTOH	1993/10/26
CHECKED BY	EDPOH	1993/10/26
APPROVED BY	JMCHAN	1993/10/26

TITLE: 2MM GRID, WIRE TO BOARD CONNECTOR, CRIMP RECEPT. HOUSING

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-51110-**5*
SHEET NO.: 1 OF 1
SIZE: A3