

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0511100856](#)  
**Status:** **Active**  
**Overview:** milligrid  
**Description:** 2.00mm (.079") Pitch, Milli-Grid™ Crimp Housing, 8 Circuits, with CenterLocking Ramp and Side Polarization Keys, 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 Name Milli-Grid™

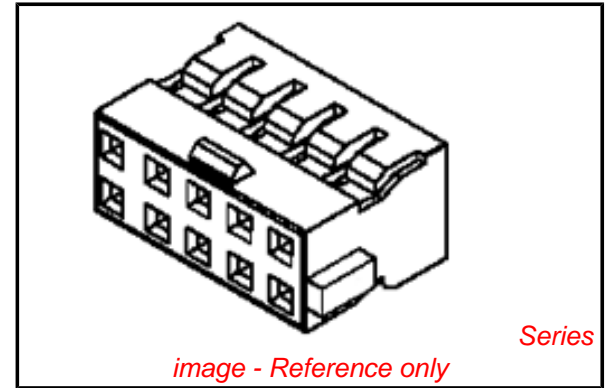
**Physical**

Circuits (maximum) 8  
 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



**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](mailto: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**

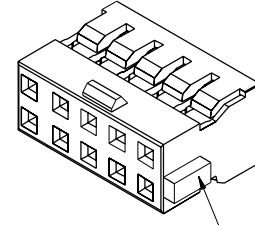
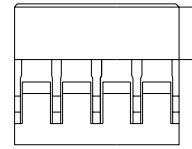
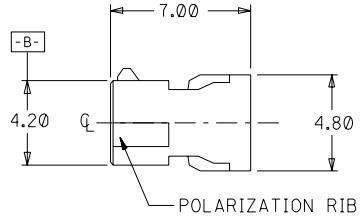
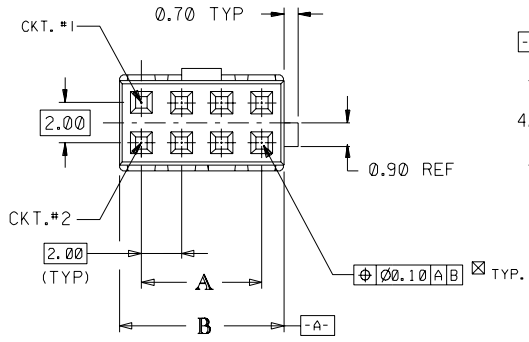
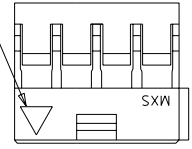
[50394](#) Crimp Terminals

PART NUMBER	CKT SIZE	DIMENSION	
		A	B
51110-0456	4	2.00	4.20
51110-0656	6	4.00	6.20
51110-0856	8	6.00	8.20
51110-1056	10	8.00	10.20
51110-1256	12	10.00	12.20

DWG. NO. SD 51110-\*\*-56

CAD FILE S5111056.DGN

IST CIRCUIT IDENTIFICATION



ISOMETRIC VIEW

**LEGEND:**

51110 - \*\* 5 6  
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 CKT SIZE

**NOTES:**

- FOR ILLUSTRATION PURPOSES, 8 CKT SIZE HSG. IS SHOWN.
- PARTS TO BE USED WITH CRIMP TERMINAL PART NUMBER 50394-8\*\*\*.
- APPLICABLE WIRE RANGE : AWG #24 - #30.
- WIRE INSULATION RANGE : DIAMETER 1.40MM MAXIMUM.

MM

DO NOT SCALE DRAWING

				MATERIAL : GLASS-FILLED POLYESTER UL RATED 94V-0 COLOR BLACK		MOLEX SINGAPORE PTE LTD SHEET   OF	
				FINISH :		GENERAL TOLERANCES = 0.20/008 REV A	
A	REL AS PER PDR* 97-08-0207. (AS PER ECN* S1998-0090)	-	SEE	970826	DWG. NO.: SD 51110-**-56		
I	X-REL AS PER PDR*97-08-0207	-	SEE	970821	TITLE : 2MM GRID, WIRE-TO-BOARD CONN. CRIMP RECEPTACLE HSG.		
LTR	REVISION RECORD	ECN	DR CHK	DATE	DRAWN BY SEE 970821	CHK'D BY	SCALE 4 : 1
<b>REVISE ONLY ON CAD SYSTEM</b>							