

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

**Part Number:** [0512395011](#)  
**Status:** **Active**  
**Description:** CRC™ Shielded Rectangular I/O Plug Housing, For Plug Assembly, Female Terminal, Signal, 50 Circuits, Polarization Type Standard

**Documents:**

[Drawing \(PDF\)](#) [Product Specification PS-51238-017 \(PDF\)](#)  
[Product Specification PS-51238-016 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
TUV R72081037

**General**

Product Family I/O Connectors  
Series [51239](#)  
Application Wire-to-Wire  
Component Type Housing  
Product Name CRC™  
Type N/A

**Physical**

Boot Color N/A  
Circuits (Loaded) N/A  
Circuits (maximum) 50  
Color - Resin Gray  
Flammability 94V-0  
Gender Plug  
Keying to Mating Part Yes  
Lock to Mating Part Yes  
Material - Metal Phosphor Bronze  
Material - Plating Mating n/a  
Material - Resin Polyester  
Number of Rows 10  
Orientation Vertical  
PCB Locator No  
Packaging Type Tray  
Panel Mount No  
Pitch - Mating Interface (in) 0.118 In  
Pitch - Mating Interface (mm) 3.00 mm  
Pitch - Term. Interface (in) 0.118 In  
Pitch - Term. Interface (mm) 3.00 mm  
Polarized to Mating Part Yes  
Polarized to PCB N/A  
Ports 1  
Surface Mount Compatible (SMC) No  
Temperature Range - Operating -40°C to +105°C  
Termination Interface: Style N/A  
Waterproof / Dustproof No

**Electrical**

Current - Maximum per Contact N/A  
Shield Type Full Shield  
Shielded Yes  
Voltage - Maximum 250V AC (RMS)/DC

**Material Info**



*image - Reference only*

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
Not Reviewed  
**Halogen-Free**  
**Status**  
**Not Reviewed**

**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**  
[51239Series](#)

**Mates With**  
[51233-501\\*](#)

**Use With**  
59587 and 59588 plug cover A and B|56120 and 56121 female terminal (low-insertion force type)

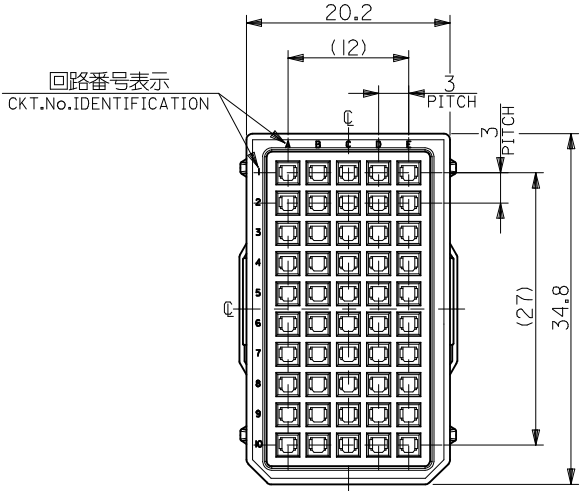
**Reference - Drawing Numbers**

Product Specification  
Sales Drawing

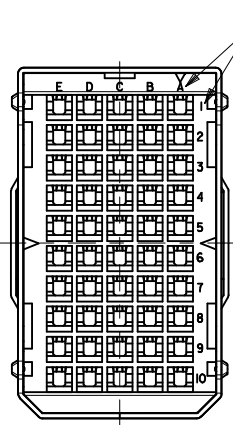
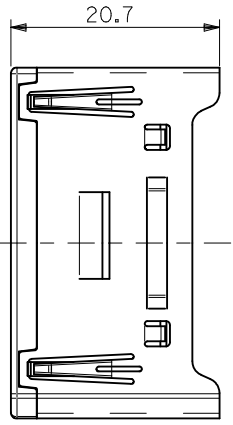
PS-51238-016, PS-51238-017  
SD-51239-010

This document was generated on 04/06/2010

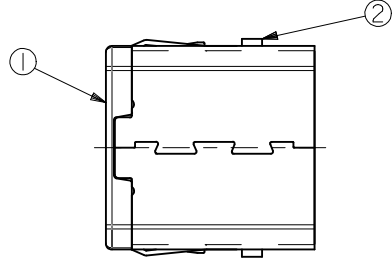
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嵌合側  
MATING SIDE



電線挿入側  
WIRE SIDE



注記  
NOTES

- 材質  
MATERIAL  
①ハウジング：ガラス入りPBT樹脂  
HOUSING：PBT G.F.  
UL94V-0 色：灰  
UL94V-0 COLOR：GRAY
- ②シェル：りん青銅 t0.5  
SHELL：PHOSPHOR BRONZE t0.5
- 適用端子：56120-8\*90，56121-8\*90  
APPLICABLE CRIMP SOCKET：56120-8\*90，56121-8\*90
- 嵌合相手：51233-501\*  
MEET WITH：51233-501\*

<誤嵌合防止キー（極性）タイプ> <POLARITY KEY TYPE>

51239-5011	51239-5012	51239-5013	51239-5014	51239-5015
STANDARD TYPE	A TYPE	B TYPE	C TYPE	D TYPE

C-5	STANDARD	51239-5011	51239-***1*	50
POLARITY POSITION (CIRCUIT NO.)	POLARITY TYPE	MATERIAL NO.	MODEL NO.	CIRCUIT

REVISED EC NO: J2009-0953 DRWN: YOSHIDAM 2008/12/16 CHKD: THARUYAMA 2008/12/16 APPR: NUKITA 2008/12/16	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	10 UNDER	±0.2	DRAWN BY S. AKIYAMA	DATE '02/01/21	TITLE COMPACT ROBOT CONN. 50CKT. PLUG SOCKET HS'G ASST		
	10 OVER 30 UNDER	±0.25	CHECKED BY J. MIYAZAWA	DATE '02/02/04	MOLEX INCORPORATED		
	30 OVER	±0.3	APPROVED BY Y. ITO	DATE '02/02/04	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-51239-010	SHEET NO. 1 OF 1
ANGULAR ±3°	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				