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**Part Number:** [0512385011](#)  
**Status:** **Active**  
**Description:** CRC™ Shielded Rectangular I/O Receptacle Housing for 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
UL	E29179

**General**

Product Family	I/O Connectors
Series	51238
Application	Panel-Mount, 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
Durability (mating cycles max)	100
Flammability	94V-0
Gender	Receptacle
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Stainless Steel
Material - Plating Mating	n/a
Material - Resin	Polyester
Number of Rows	10
Orientation	Vertical
PCB Locator	No
Packaging Type	Tray
Panel Mount	Front, Rear
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)	N/A
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	N/A
Waterproof / Dustproof	No

**Electrical**

Current - Maximum per Contact	1.5A, 1A, 2.5A, 2A
Shielded	No
Voltage - Maximum	250V AC (RMS)/DC



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](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**

51238Series

**Mates With**

51234-501X plug housing|55836-500X plug assembly set

**Use With**

56377-500\* receptacle shell|56120 and 56121 female terminal (low-insertion force type)

**Material Info**

**Reference - Drawing Numbers**

Product Specification

Sales Drawing

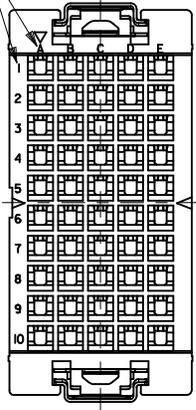
PS-51238-016, PS-51238-017

SD-51238-015

This document was generated on 04/12/2010

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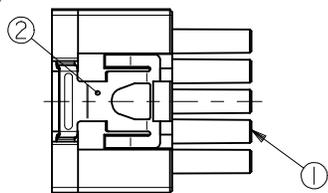
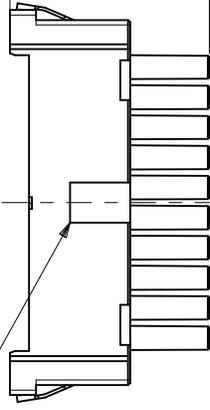
回路番号表示  
CKT.No.IDENTIFICATION



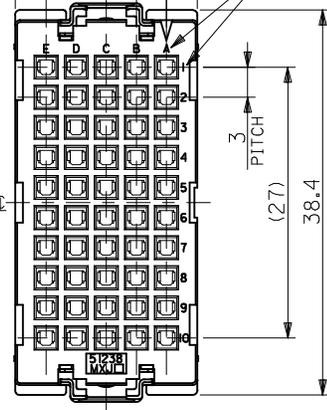
電線挿入側  
WIRE SIDE

シエル挿入方向キー  
POLARIZATIONS KEY FOR SHELL

19.9



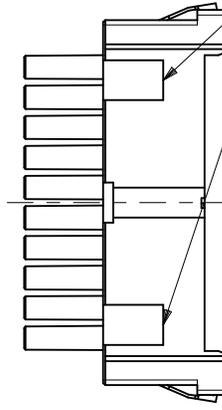
18.2  
(12)  
3  
PITCH  
回路番号表示  
CKT.No.IDENTIFICATION



嵌合側  
MATING SIDE

回路番号表示  
CKT.No.IDENTIFICATION

シエル挿入方向キー  
POLARIZATIONS KEY FOR SHELL



注記  
NOTES

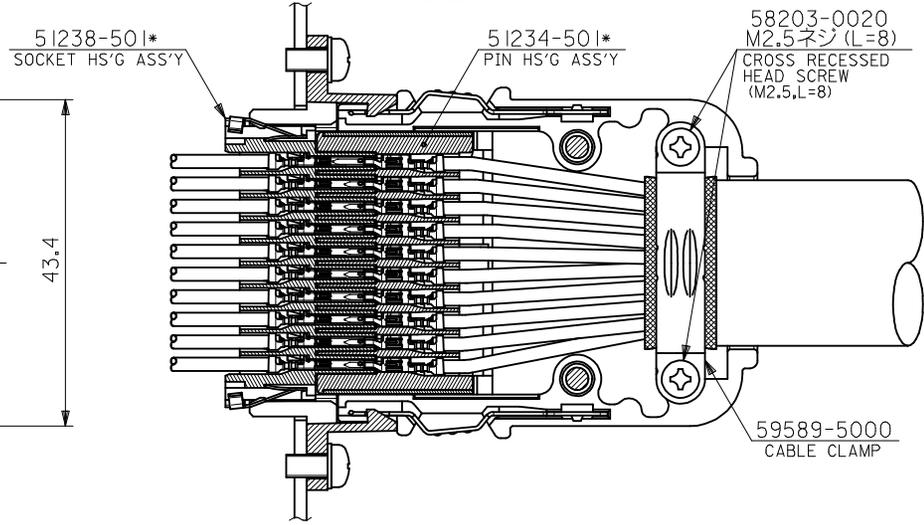
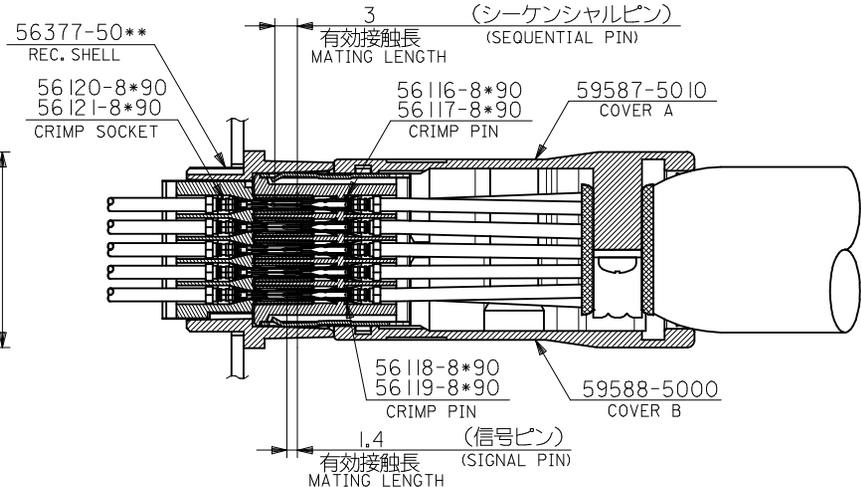
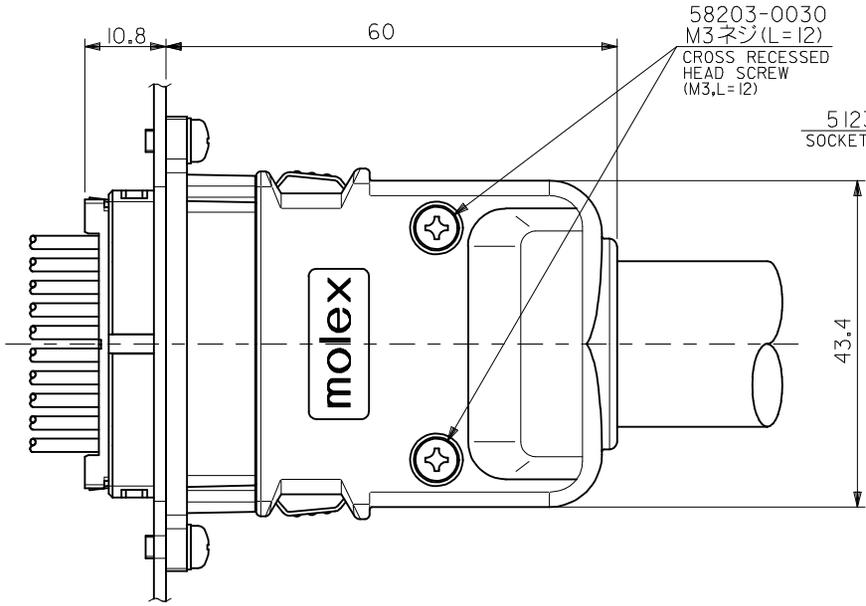
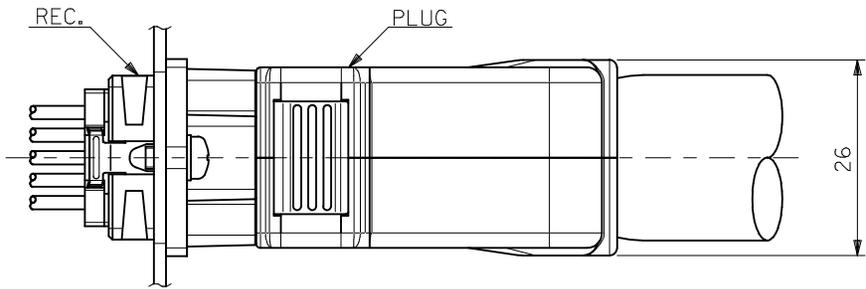
- 材質  
MATERIAL  
①ハウジング：ガラス入りPBT樹脂  
HOUSING : PBT G.F.  
UL94V-0 色：灰  
UL94V-0 COLOR : GRAY  
②スプリング：ステンレス鋼 t0.3  
SPRING : STAINLESS STEEL t0.3
- 適用端子：56120-8\*90, 56121-8\*90  
APPLICABLE CRIMP PIN : 56120-8\*90, 56121-8\*90
- 適用リセプタクル シエル：56377-50\*\*  
APPLICABLE RECEPTACLE SHELL : 56377-50\*\*
- 嵌合相手：51234-501\*  
MEET WITH : 51234-501\*

<誤嵌合防止キー(極性)タイプ> <POLARITY KEY TYPE>

51238-5011	51238-5012	51238-5013	51238-5014	51238-5015
STANDARD TYPE	A TYPE	B TYPE	C TYPE	D TYPE

D-6	C	51238-5014	51238-***1*	50
C-6	B	51238-5013		
C-5	STANDARD	51238-5011		
POLARITY POSITION (CIRCUIT NO.)	POLARITY TYPE	MATERIAL NO.	MODEL NO.	CIRCUIT

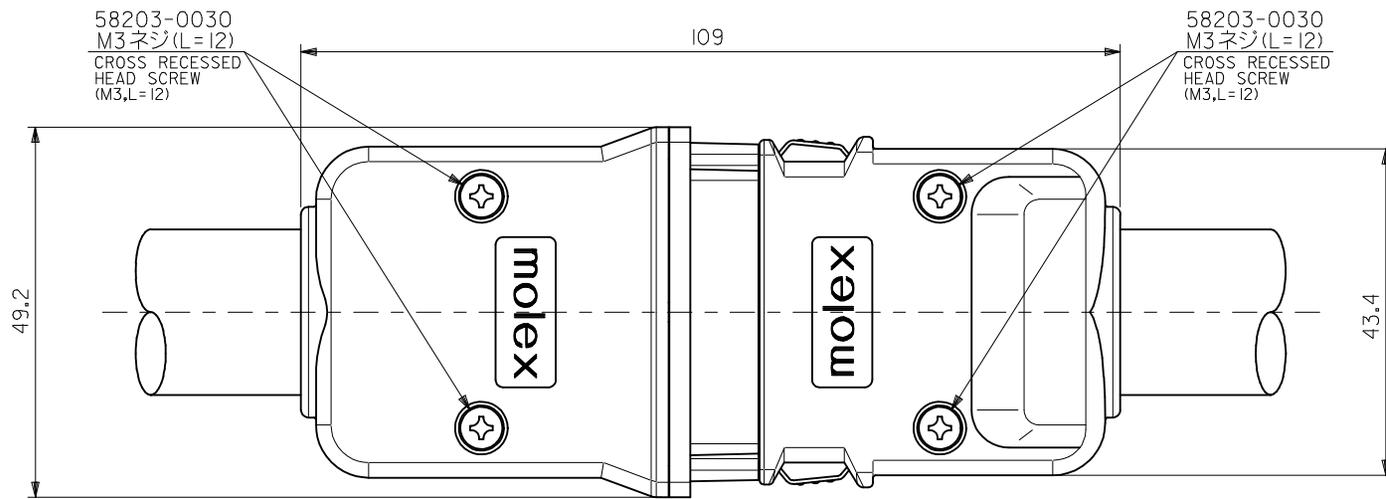
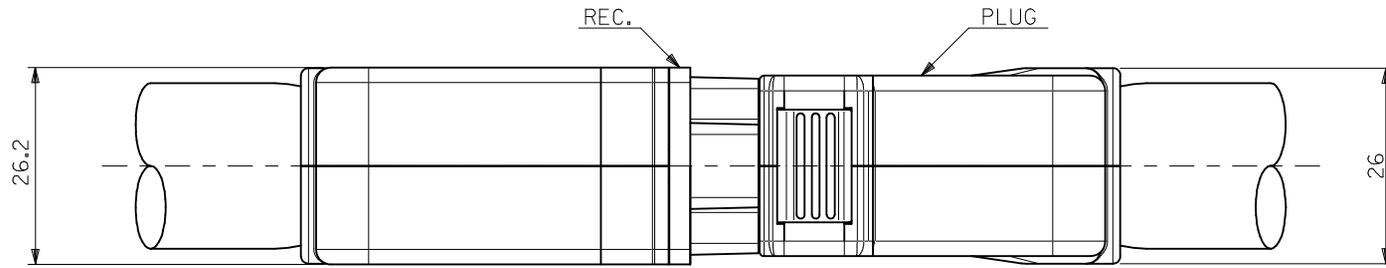
REVISED EC NO: J2009-1234 DRWN: YOSHIDAM 2008/12/15 CHKD: THARUYAMA 2008/12/15 APPR: NUKITA 2008/12/16	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	±0.2	DRAWN BY S. AKIYAMA	DATE '02/01/21	TITLE COMPACT ROBOT CONN. 50CKT. REC. SOCKET HS'G ASS'Y			
		10 OVER 30 UNDER	±0.25	CHECKED BY J. MIYAZAWA	DATE '02/01/21	MOLEX INCORPORATED SD-51238-015			
		30 OVER	±0.3	APPROVED BY Y. ITO	DATE '02/01/21				
ANGULAR ±3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-51238-015		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



嵌合図  
CROSS-SECTION VIEW OF MATED CONNECTOR

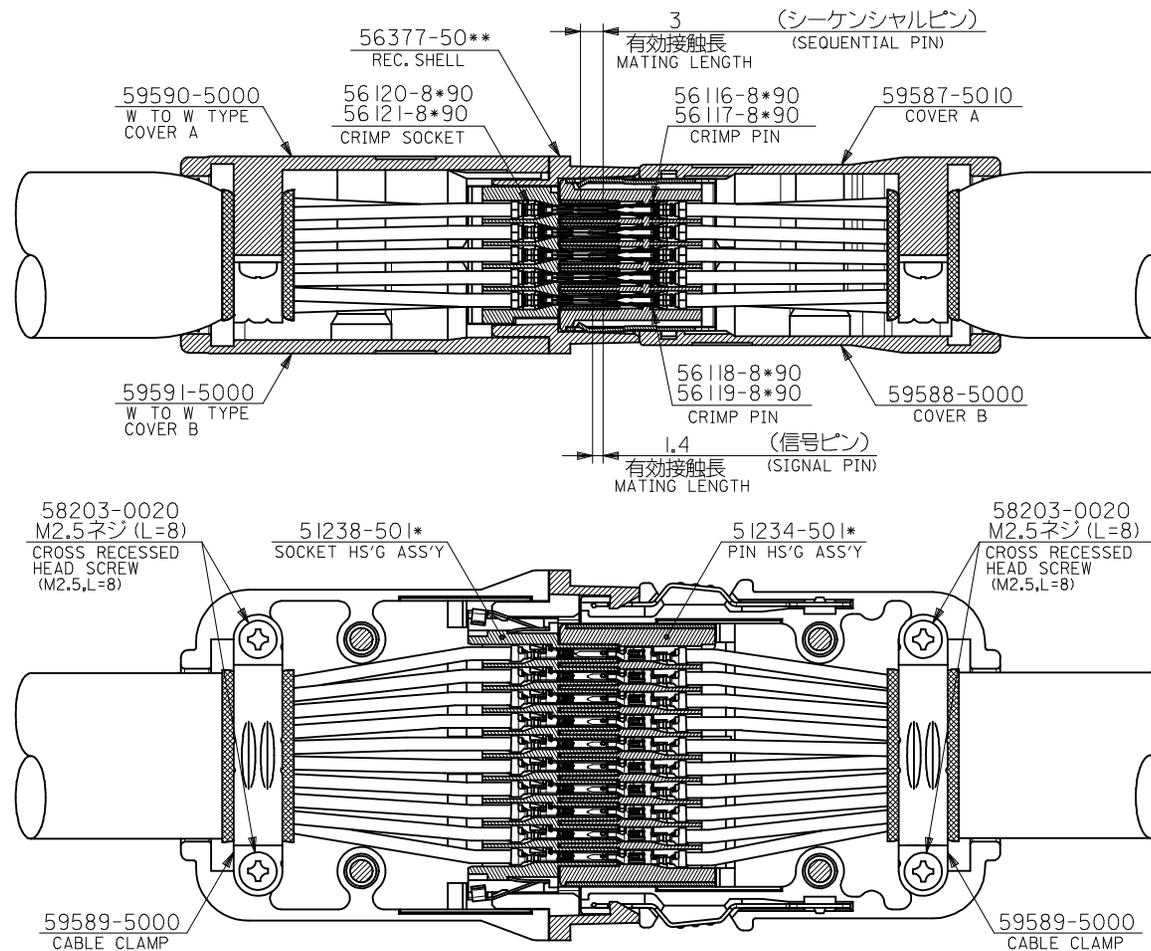
REVISED EC NO: J2009-1234 DRWN: YOSHIDAM 2008/12/15 CHKD: THARUYAMA 2008/12/15 APPR: NUKITA 2008/12/16	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	10 UNDER	±0.2	DRAWN BY A. SHIMOTSU	DATE '02/01/29	TITLE COMPACT ROBOT CONN. 50CKT. REC. SOCKET HS'G ASS'Y	
	10 OVER 30 UNDER	±0.25	CHECKED BY J. MIYAZAWA	DATE '02/01/29	MOLEX INCORPORATED	
	30 OVER	±0.3	APPROVED BY Y. ITO	DATE '02/01/29	DOCUMENT NO. SD-51238-015	SHEET NO. 2 OF 4
REV	DESCRIPTION	ANGULAR ±3 °	MATERIAL NO. SEE SHEET1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE A3			

10 9 8 7 6 5 4 3 2 1



嵌合図 (中継タイプ)  
CROSS-SECTION VIEW OF MATED CONNECTOR  
(WIRE TO WIRE TYPE)

REVISED EC NO: J2009-1234 DRWN: YOSHIDAM 2008/12/15 CH'KD: THARUYAMA 2008/12/15 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 '02/01/29	TITLE COMPACT ROBOT CONN. 50CKT. REC. SOCKET HS'G ASS'Y			
	10 OVER 30 UNDER	±0.25	CHECKED BY J. MIYAZAWA	DATE '02/02/04				
	30 OVER	±0.3	APPROVED BY Y. ITO	DATE '02/02/04	MATERIAL NO. SEE SHEET 1		DOCUMENT NO. SD-51238-015	
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				



嵌合図 (中継タイプ)  
CROSS-SECTION VIEW OF MATED CONNECTOR  
(WIRE TO WIRE TYPE)

REVISED EC NO.: J2009-1234 DRWN: YOSHIDAM 2008/12/15 CHKD: THARUYAMA 2008/12/15 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 '02/01/29	TITLE COMPACT ROBOT CONN. 50CKT. REC. SOCKET HS'G ASS'Y	
	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 SHEET 1	DOCUMENT NO. SD-51238-015
REV	DESCRIPTION	ANGULAR ±3 °	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

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