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Part Number: [0512335011](#)
Status: **Active**
Description: CRC™ Shielded Rectangular I/O Receptacle Housing for Male 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 [51233](#)
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) No
Temperature Range - Operating -40°C to +105°C
Termination Interface: Style N/A
Waterproof / Dustproof No

Electrical

Current - Maximum per Contact 7A
Shielded No
Voltage - Maximum 250V AC (RMS)/DC



image - Reference only

Series

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
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
[51233Series](#)

Mates With
51239-501X plug housing|54332-500X plug
assembly set

Use With
56116, 56117, 56118 and 56119 male
terminal|56377-500* receptacle shell

Material Info

Reference - Drawing Numbers

Product Specification	PS-51238-016, PS-51238-017
Sales Drawing	SD-51233-013

This document was generated on 04/12/2010

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E

D

C

B

A

F

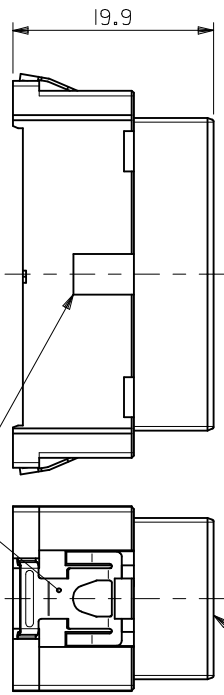
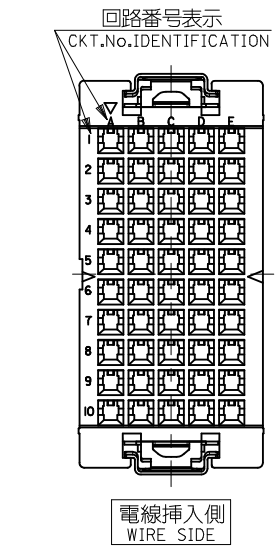
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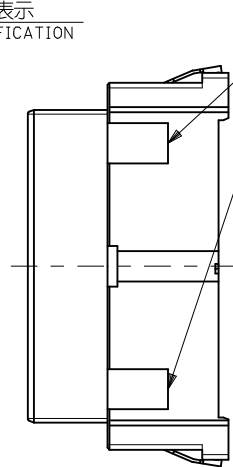
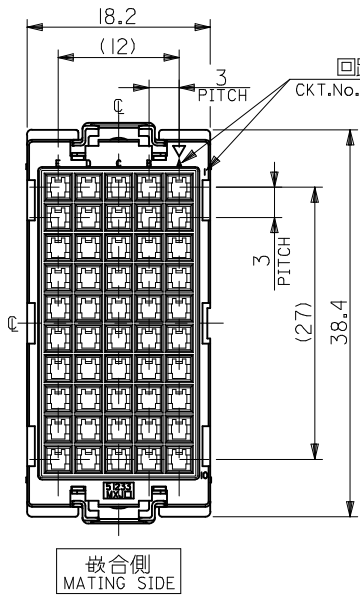
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シェル挿入方向キー
POLARIZATIONS KEY FOR SHELL



注記
NOTES

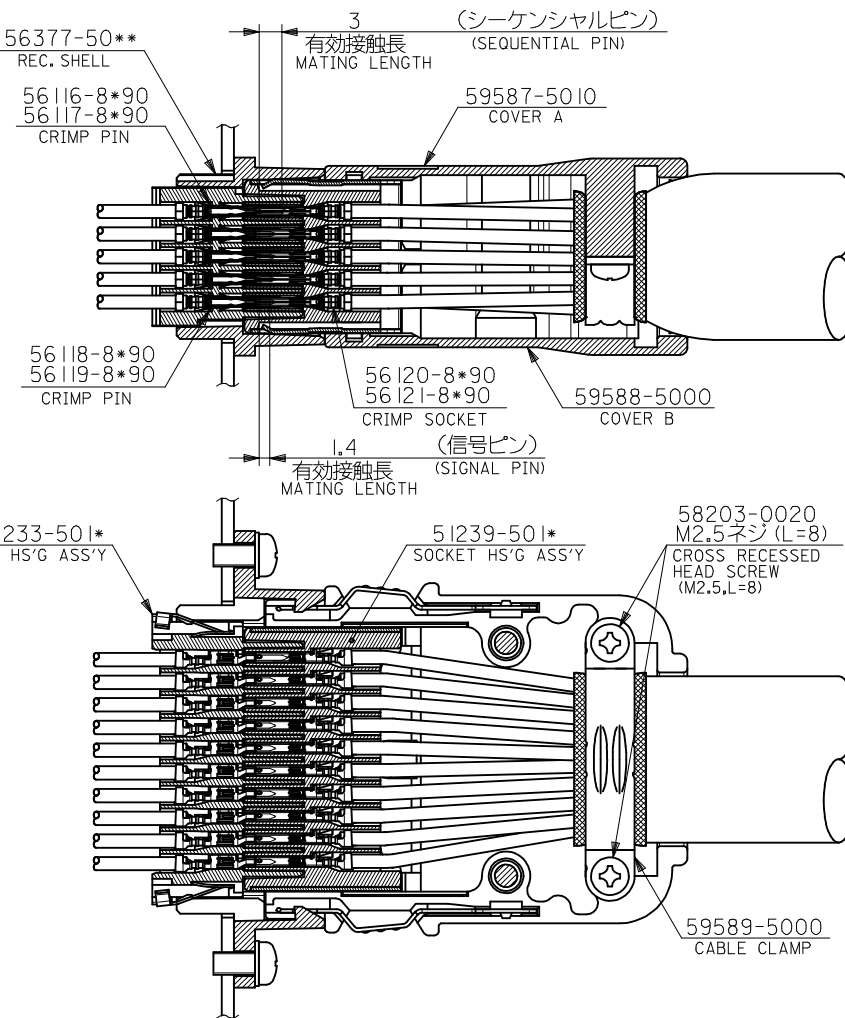
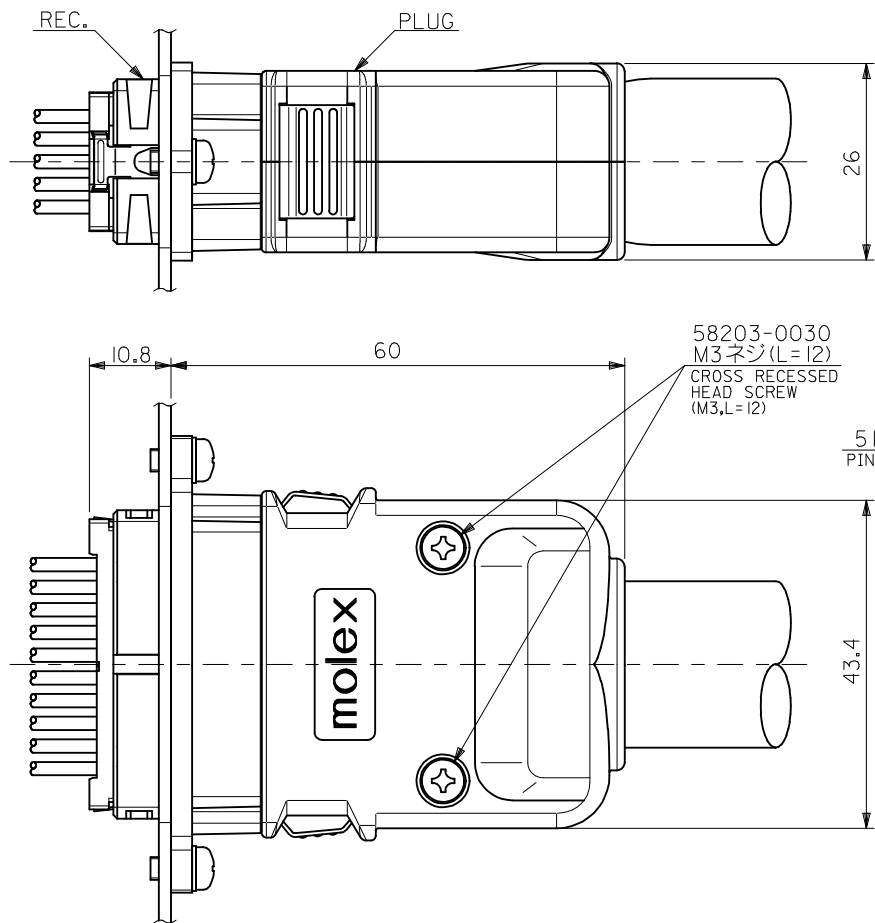
1. 材質
MATERIAL
①ハウジング：ガラス入りPBT樹脂
HOUSING : PBT G.F.
UL94V-0 色：灰
UL94V-0 COLOR : GRAY
②スプリング：ステンレス鋼 t0.3
SPRING : STAINLESS STEEL t0.3
2. 適用端子：56116-8*90 , 56117-8*90
56118-8*90 , 56119-8*90
APPLECABLE CRIMP PIN : 56116-8*90 , 56117-8*90
56118-8*90 , 56119-8*90
3. 適用リセプタクル シェル：56377-50**
APPLECABLE RECEPTACLE SHELL : 56377-50**
4. 嵌合相手：51239-501*
MEET WITH : 51239-501*

<誤嵌合防止キー（極性）タイプ> <POLARITY KEY TYPE>

51233-5011	51233-5012	51233-5013	51233-5014
STANDARD TYPE	A TYPE	B TYPE	C TYPE

D-6	C	51233-5014	51233-***	50
C-6	B	51233-5013		
C-5	A	51233-5012		
—#—	STANDARD	51233-5011		
POLARITY POSITION (CIRCUIT NO.)	POLARITY TYPE	MATERIAL NO.	MODEL NO.	CIRCUIT

REVISED EC NO: J2009-1104 DRWN:NAKAMURA 2008/12/15 CHKD:T. HARIYAMA 2008/12/15 APPR:NUKITA 2008/12/15	DESCRIPTION	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. PIN 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	MOLEX INCORPORATED					
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-51233-013		1 OF 4				
	B	REV			SIZE A3	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.: J2009-1104 DRAWN: NAKAMURA 2008/12/15 CHK'D: T. HARUYAMA 2008/12/15 APPR: NUKITA 2008/12/15	DESCRIPTION	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. PIN HS'G ASS'Y	MOLEX INCORPORATED	SHEET NO. 2 OF 4
		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			
		ANGULAR ±3 °		MATERIAL NO. SEE SHEET 1		DOCUMENT NO. SD-51233-013		
		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				

10 9 8 7 6 5 4 3 2 1

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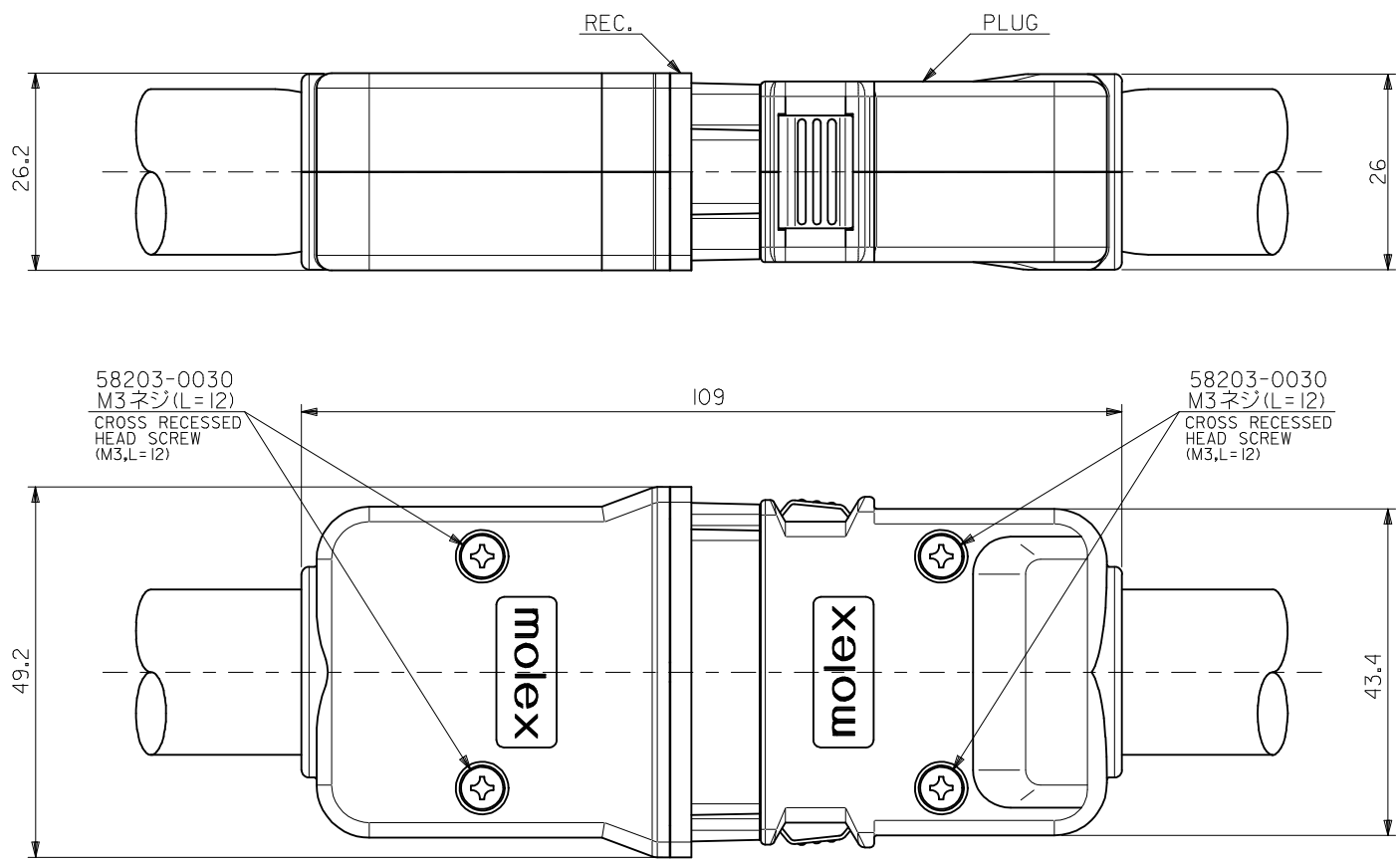
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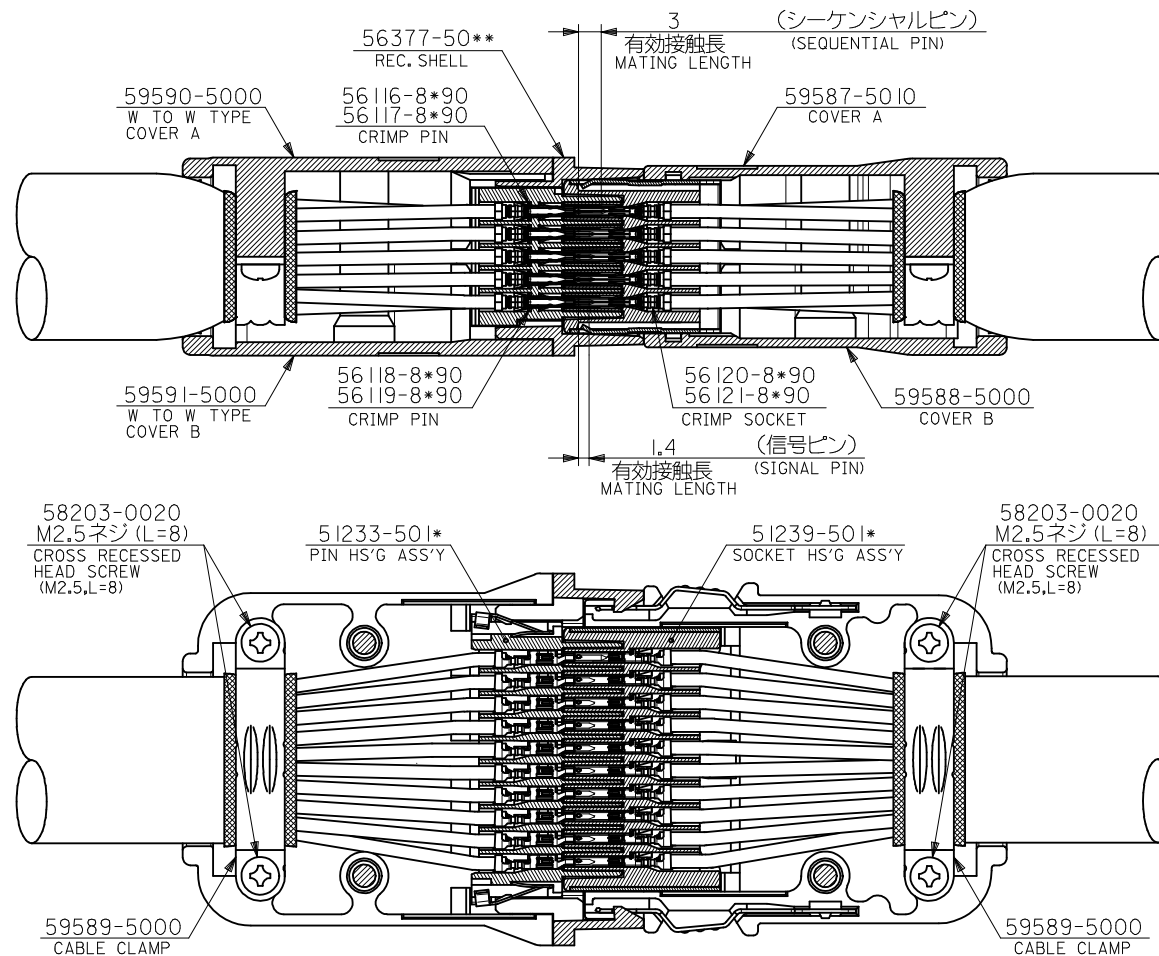
B

A



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

REVISED EC NO: J2009-1104 DRWN: NAKAMURA CHKD: T. HARIYAMA APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				MM ONLY		---	METRIC			
		10 UNDER	± 0.2	DRAWN BY S. AKIYAMA	DATE '02/01/29	TITLE COMPACT ROBOT CONN. 50CKT. REC. PIN HS'G ASS'Y				
		10 OVER 30 UNDER	± 0.25	CHECKED BY J. MIYAZAWA	DATE '02/01/29					
		30 OVER	± 0.30	APPROVED BY Y. ITO	DATE '02/01/29	MOLEX INCORPORATED				
	ANGULAR ±3 °	MATERIAL NO.		DOCUMENT NO.						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-51233-013			3 OF 4		
REV			SIZE A3	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: J2009-1104 DRWN:NAKAMURA CHKD: HARUYAMA APPR:NUKITA	DESCRIPTION	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. PIN 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			
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.	SHEET NO.	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-51233-013		4 OF 4	
	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			