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Part Number: [0512335012](#)
Status: **Active**
Description: CRC™ Shielded Rectangular I/O Receptacle Housing for Male Terminal, Signal, 50 Circuits, Polarization Type A, Polarization Position C-5

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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F

E

D

C

B

A

F

E

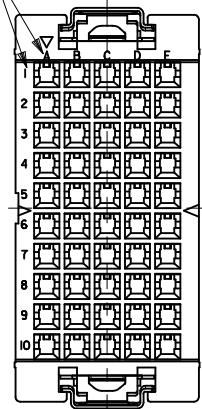
D

C

B

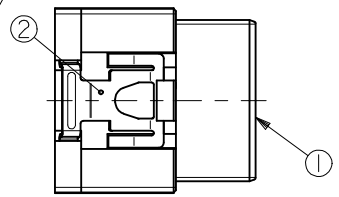
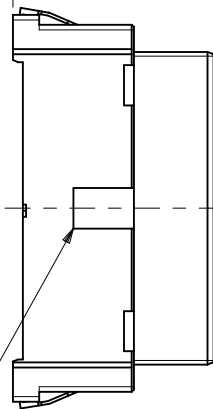
A

回路番号表示
CKT.No.IDENTIFICATION

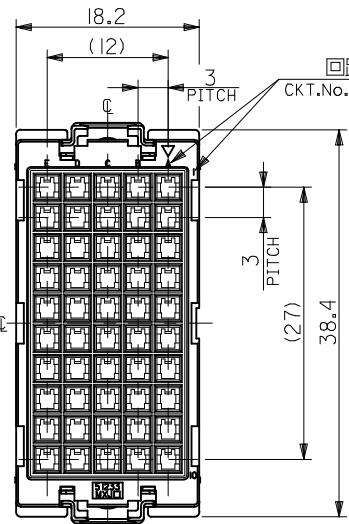


電線挿入側
WIRE SIDE

19.9



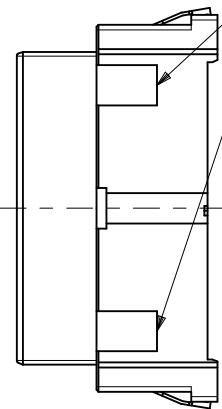
シェル挿入方向キー
POLARIZATIONS KEY FOR SHELL



嵌合側
MATING SIDE

回路番号表示
CKT.No.IDENTIFICATION

シェル挿入方向キー
POLARIZATIONS KEY FOR SHELL



注記
NOTES

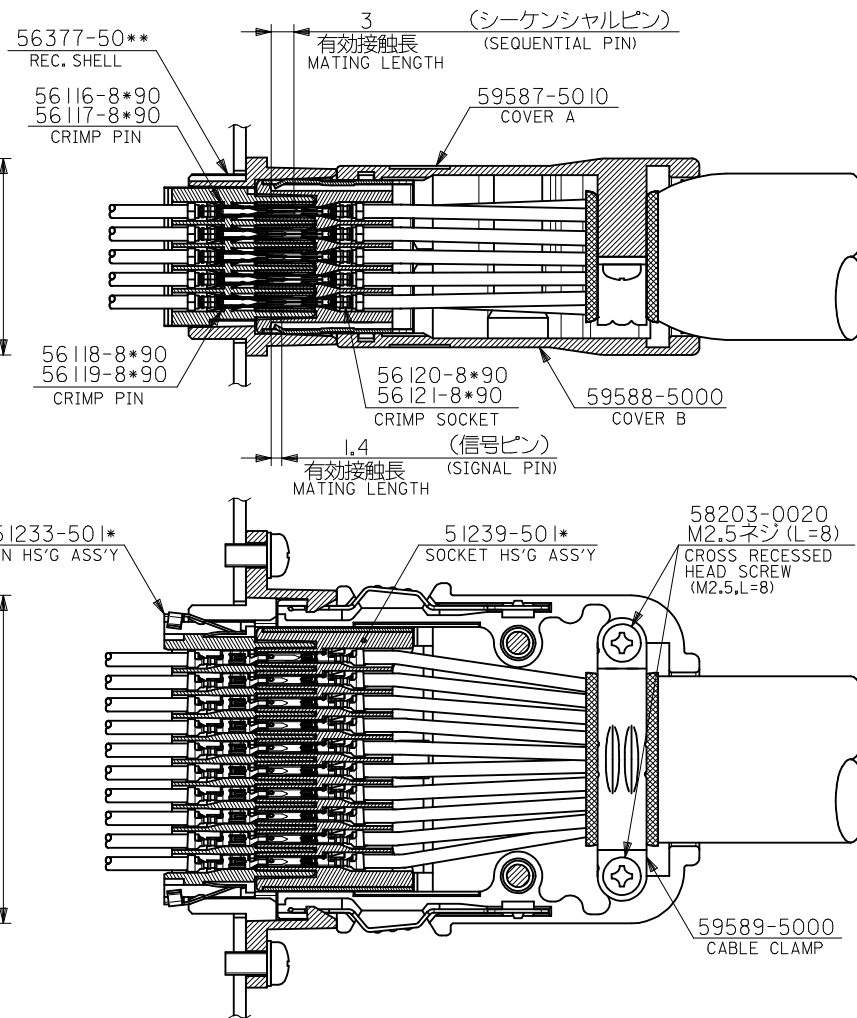
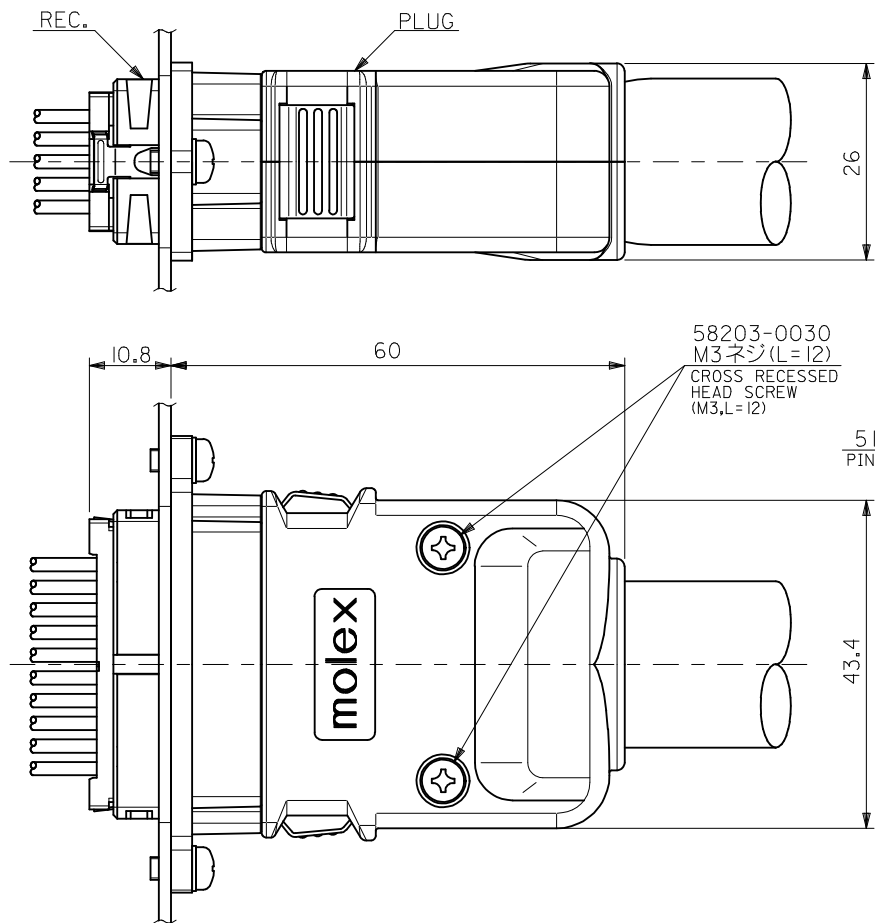
- 材質
MATERIAL
①ハウジング: ガラス入りPBT樹脂
HOUSING: PBT G.F.
UL94V-0 色: 灰
UL94V-0 COLOR: GRAY
②スプリング: ステンレス鋼 t0.3
SPRING: STAINLESS STEEL t0.3
- 適用端子: 56116-8*90, 56117-8*90
56118-8*90, 56119-8*90
APPLECABLE CRIMP PIN: 56116-8*90, 56117-8*90
56118-8*90, 56119-8*90
- 適用リセプタクル シェル: 56377-50**
APPLECABLE RECEPTACLE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

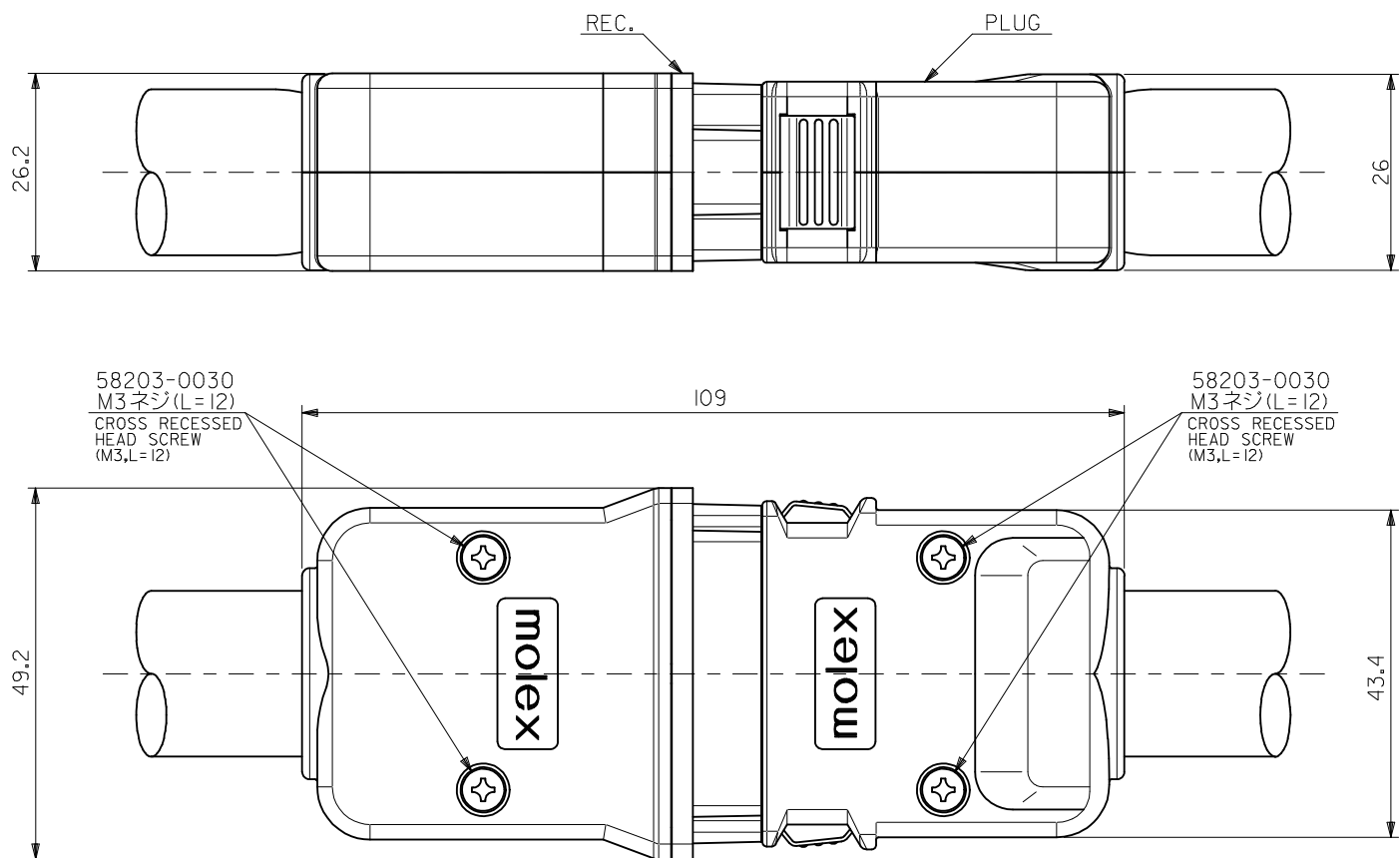
D-6	C	51233-5014	51233-***	50
C-6	B	51233-5013		
C-5	A	51233-5012		
—#—	STANDARD	51233-5011		
POLARITY POSITION (CIRCUIT NO.)	POLARITY TYPE	MATERIAL NO.	MODEL NO.	CIRCUIT

REVISED EC NO: J2009-1104 DRWN:NAKAMURA 2008/12/15 CHKD:T. 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				
		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 TABLE		SD-51233-013		1 OF 4		
	REV			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



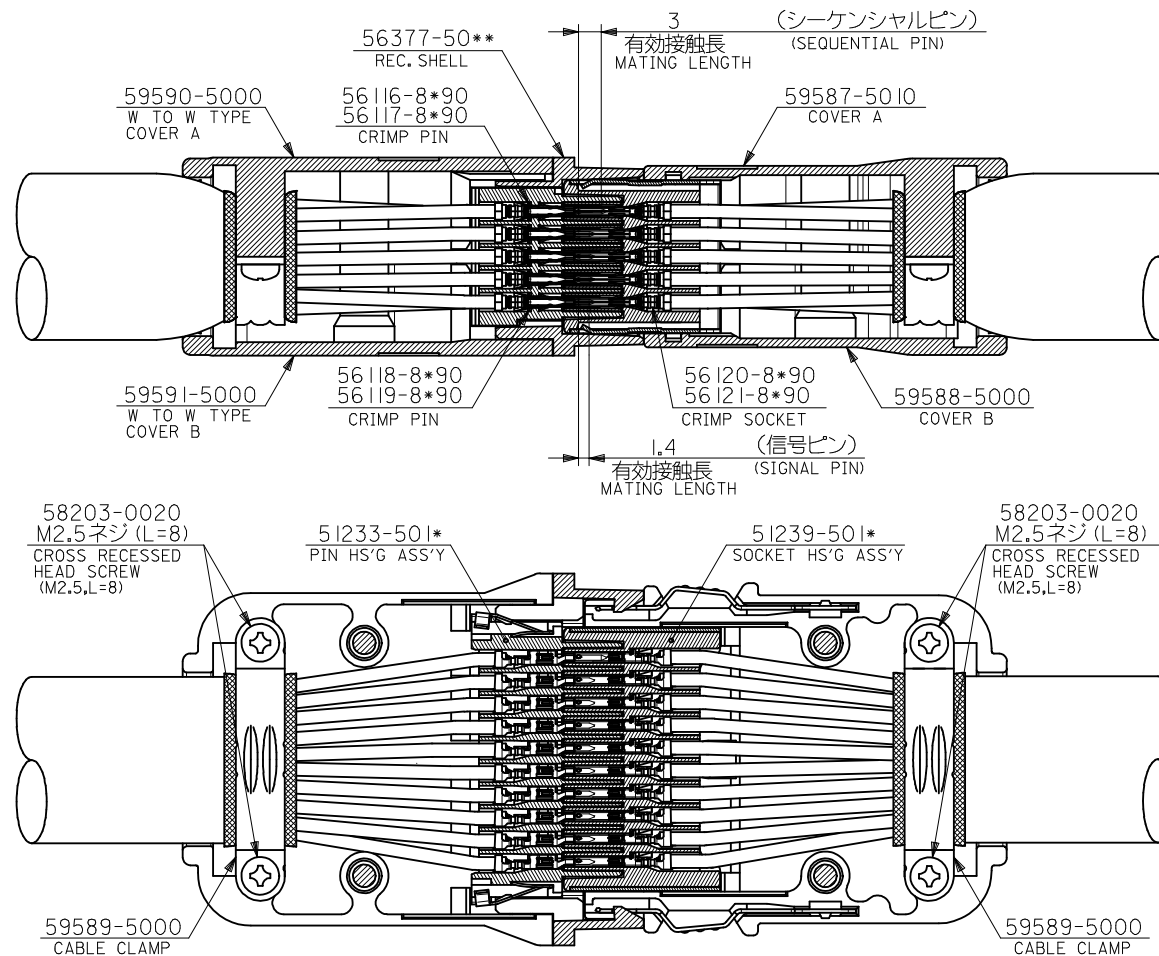
嵌合図
CROSS-SECTION VIEW OF MATED CONNECTOR

REVISED EC NO.: J2009-1104 DRAWN: NAKAMURA CHK'D: T. 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 '02/01/21	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				



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 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 '02/01/29			
		30 OVER	± 0.30	APPROVED BY Y. ITO	DATE '02/01/29			
		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 DRAWN:NAKAMURAA 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	MOLEX INCORPORATED	SHEET NO. 4 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				
REV				SIZE A3				