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Part Number: [0512332011](#)
Status: **Active**
Description: CRC™ Shielded Rectangular I/O Receptacle Housing for Male Terminal, Signal, 20 Circuits, Polarization Type Standard

Documents:

[Drawing \(PDF\)](#) [Product Specification PS-51238-018 \(PDF\)](#)
[Product Specification PS-51238-010 \(PDF\)](#) [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) 20
Color - Resin Black
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 5
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 3.5A
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**

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
51239-200X plug housing|54332-200X plug
assembly set

Use With
56116, 56117, 56118 and 56119 male
terminal|56377-200* receptacle shell

Material Info

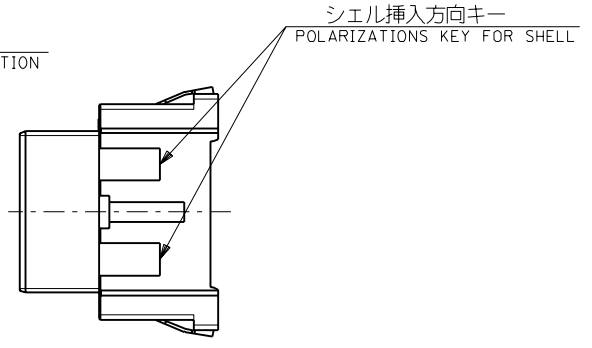
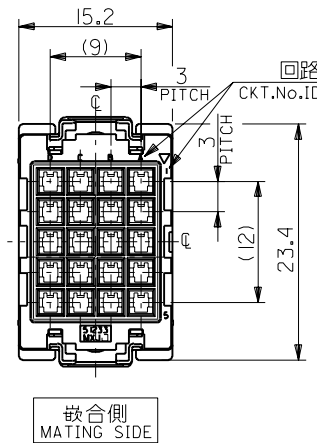
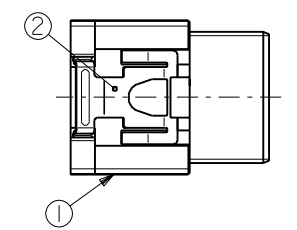
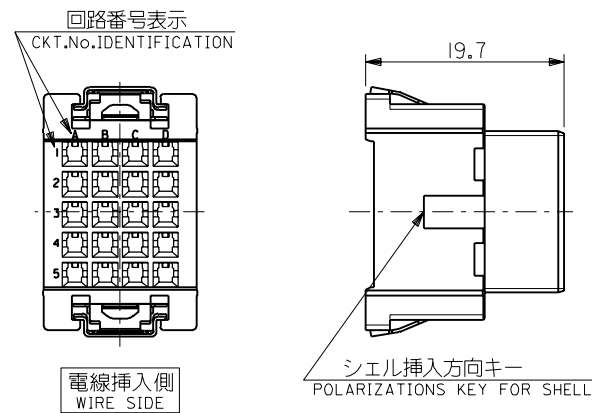
Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-51238-010, PS-51238-018, RPS-51238-001
SD-51233-008

This document was generated on 04/12/2010

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注記
NOTES

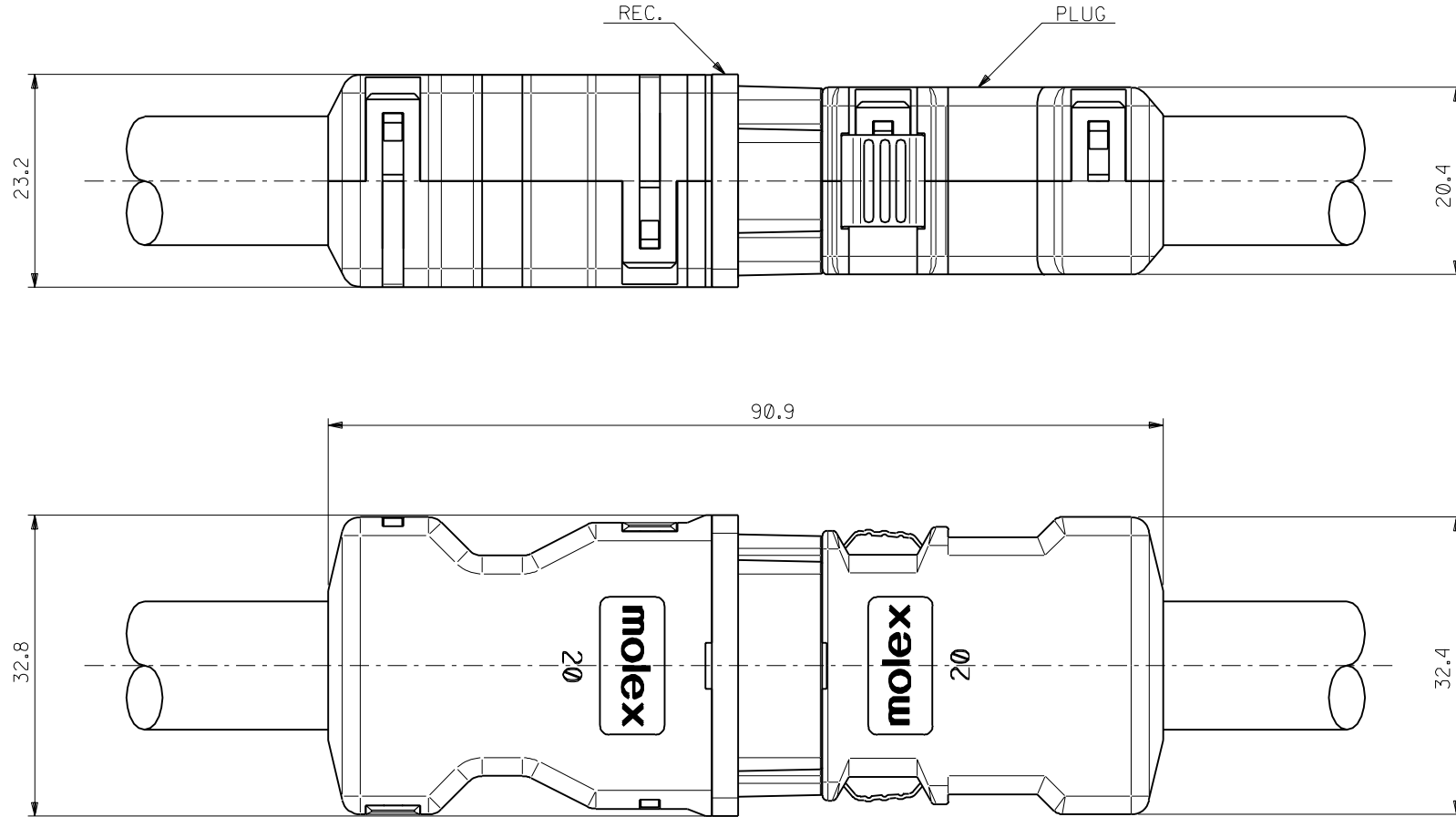
1. 材質
MATERIAL
①ハウジング：ガラス入りPBT樹脂
HOUSING : PBT G.F.
UL 94V-0 色：黒
UL 94V-0 COLOR : BLACK
②スプリング：ステンレス鋼 t0.3
SPRING : STAINLESS STEEL t0.3
2. 適用端子：56116-8*90 , 56117-8*90
56118-8*90 , 56119-8*90
APPLICABLE CRIMP PIN : 56116-8*90 , 56117-8*90
56118-8*90 , 56119-8*90
3. 適用リセプタクル シェル：56377-20**
APPLICABLE RECEPTACLE SHELL : 56377-20**
4. 嵌合相手：51239-200*
MEET WITH : 51239-200*

<誤嵌合防止キー（極性）タイプ> <POLARITY KEY TYPE>

51233-2011	51233-2012	51233-2013	51233-2014	51233-2015
STANDARD TYPE	A TYPE	B TYPE	C TYPE	D TYPE

C-4	D	51233-2015	51233-***	20
C-3	C	51233-2014		
B-3	B	51233-2013		
B-2	A	51233-2012		
—#—	STANDARD	51233-2011		
POLARITY POSITION (CIRCUIT No.)	POLARITY TYPE	MATERIAL No.	MODEL No.	CIRCUIT

EC NO. DRWN: CHK: APPR:		EC NO. DRWN: CHK: APPR:		EC NO. DRWN: CHK: APPR:		REVISED 01/10/04 EC NO. J2002-0786 DRWN: S.AKIYAMA CHK: J.MIYAZAWA APPR: Y.O.ITO	RELEASED 01/02/16 EC NO. JD2001-1040 DRWN: S.AKIYAMA CHK: J.MIYAZAWA APPR: H.IKESUGI	DESCRIPTION 材料 注記参照 SEE NOTES	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差		SCALE 2-1	DESIGN UNITS ☒ mm ☐ INCH	 THIRD ANGLE PROJECTION	☐ mm ☐ INCH ☐ mm ONLY	REV ON CAD ONLY	
A		0		REV		FINISH 仕上り	10 UNDER 未満		±0.2	DRAWN BY & DATE S. Akiyama 01/25		TITLE: COMPACT ROBOT CONN. (CRC) REC. PIN HS'G ASS'Y				
						30 UNDER 未満	±0.25		CHECKED BY & DATE J. Miyazawa / Y. Ito							
						WIRE RANGE 適用電線範囲	30 OVER 以上		±0.3	APPROVED BY & DATE S. Akiyama		MOLEX INCORPORATED				
						INS. RANGE 被覆外径	ANGLE 角度	±3°	CAD FILE NAME 51233008.S01		MATERIAL NO. SEE CHART	DRAWING NO. SD-51233-008	SHEET NO. 1 OF 4			
										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.						SIZE B



嵌合図 (中継タイプ)

CROSS-SECTION VIEW OF MATED CONNECTOR
(WIRE TO WIRE TYPE)

EC NO. DRWN: CHK's APPR:			EC NO. DRWN: CHK's APPR:			EC NO. DRWN: CHK's APPR:			REVISED 01/10/04 EC NO. J2002-0786 DRWN: S. AKIYAMA CHK's: J. MIYAZAWA APPR: YO. ITO	RELEASED 01/02/16 EC NO. JD2001-1040 DRWN: S. AKIYAMA CHK's: J. MIYAZAWA APPR: H. IKESUGI	DESCRIPTION	MATERIAL 材料	注記参照 SEE NOTES		GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差		SCALE 2-1	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION	☐ mm INCH ☐ INCH mm ☒ mm ONLY	REVISE ON CAD ONLY	
												FINISH 仕上り	— # —		10 UNDER 未満	±0.2	DRAWN BY & DATE S. Akizawa 01/01/25		TITLE: COMPACT ROBOT CONN. (CRC) REC. PIN HS'G ASS'Y			
												10 OVER 30 UNDER 以上 未満	±0.25	CHECKED BY & DATE J. Miyazawa / Y. Ito								
														30 OVER 以上	±0.3	APPROVED BY & DATE S. Akizawa		MOLEX INCORPORATED				
												WIRE RANGE 適用電線範囲	— # —		ANGLE 角度		±3°	CAD FILE NAME 51233008.S03		MATERIAL NO. SEE CHART	DRAWING NO. SD-51233-008	SHEET NO. 3 OF 4
									A	Ø	REV	INS. RANGE 被覆外径	— # —				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		SIZE B			

DWG. NO.
SD-51233-008

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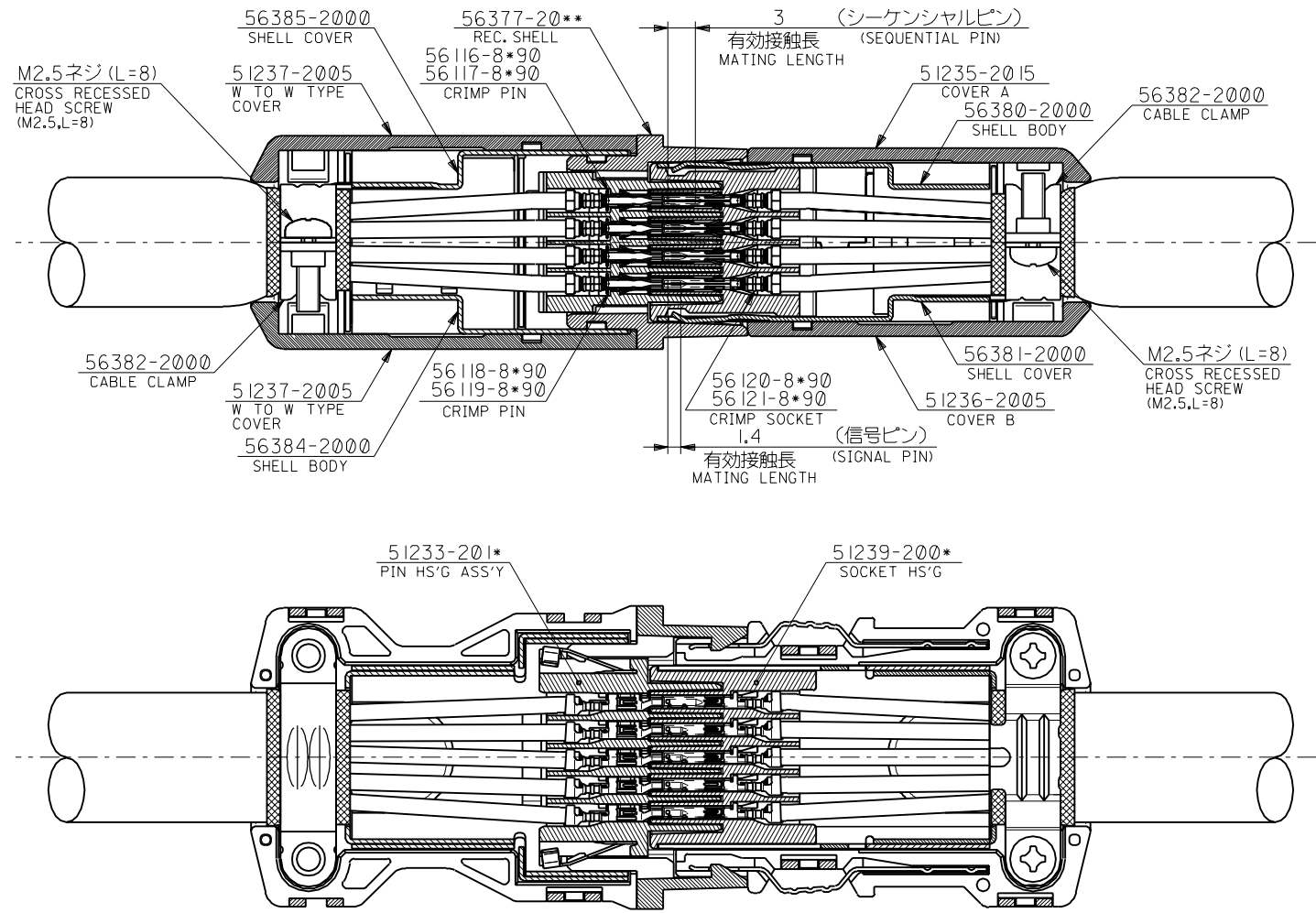
D

A

C

B

DO NOT SCALE DRAWING



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

EC NO. DRWN: CHK'g APPR:		EC NO. DRWN: CHK'g APPR:		EC NO. DRWN: CHK'g APPR:		REVISED 01/10/04 EC NO. J2002-0786 DRWN: S. AKIYAMA CHK'g: J. MIYAZAWA APPR: YO. ITO	EC NO. J2001-1040 DRWN: S. AKIYAMA CHK'g: J. MIYAZAWA APPR: H. IKESUGI	DESCRIPTION MATERIAL 材料 FINISH 仕上げ WIRE RANGE 適用電線範囲 INS. RANGE 被覆外径	注記参照 SEE NOTES —#— —#— —#—	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差 10 UNDER 未満 10 OVER 以上 30 UNDER 未満 30 OVER 以上 ANGLE 角度	±0.2 ±0.25 ±0.3 ±3°	SCALE 2-1 DRAWN BY & DATE S. Akiyama 1/01/25 CHECKED BY & DATE J. Miyazawa / Y. Ito APPROVED BY & DATE H. Ikesugi CAD FILE NAME 51233008.S04	DESIGN UNITS mm INCH THIRD ANGLE PROJECTION TITLE: COMPACT ROBOT CONN. (CRC) REC. PIN HS'G ASS'Y MOLEX INCORPORATED MATERIAL NO. SEE CHART DRAWING NO. SD-51233-008 SHEET NO. 4 OF 4	DIMENSIONS: mm INCH SHT REV REVISE ON CAD ONLY
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A
51233008.S04

Данный компонент на территории Российской Федерации

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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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