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Part Number: [0512332014](#)
Status: **Active**
Description: CRC™ Shielded Rectangular I/O Receptacle Housing for Male Terminal, Signal, 20 Circuits, Polarization Type C, Polarization Position C-3

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

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

Material Info

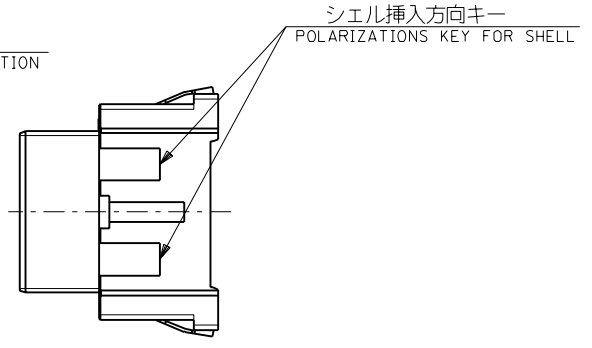
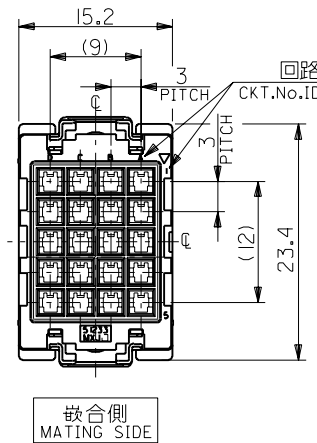
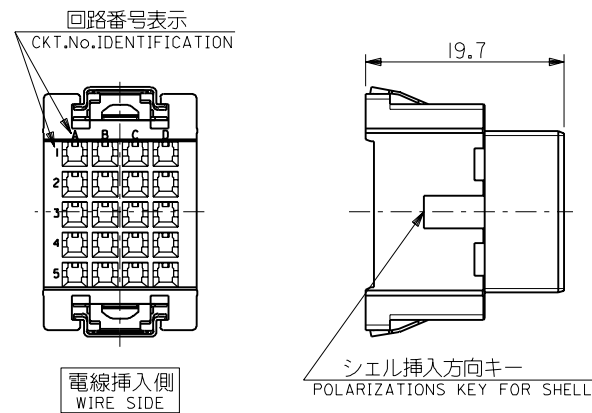
Reference - Drawing Numbers

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

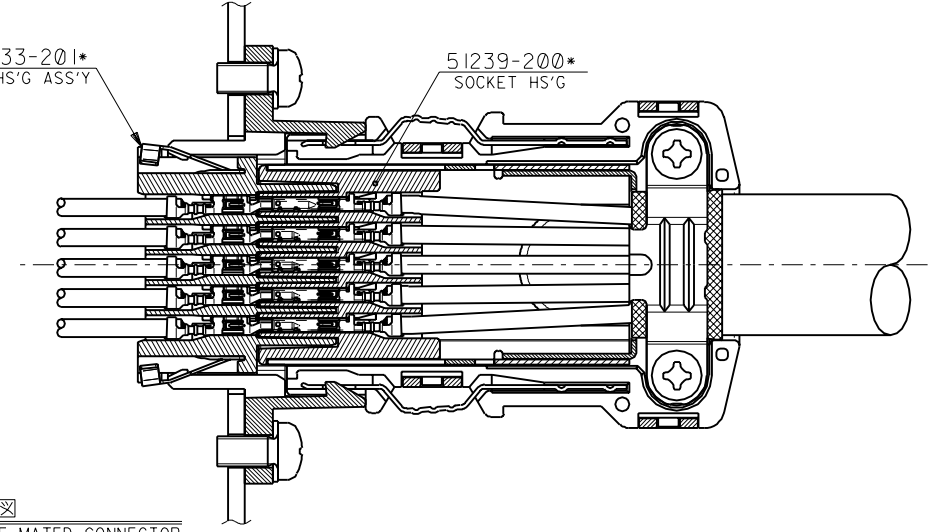
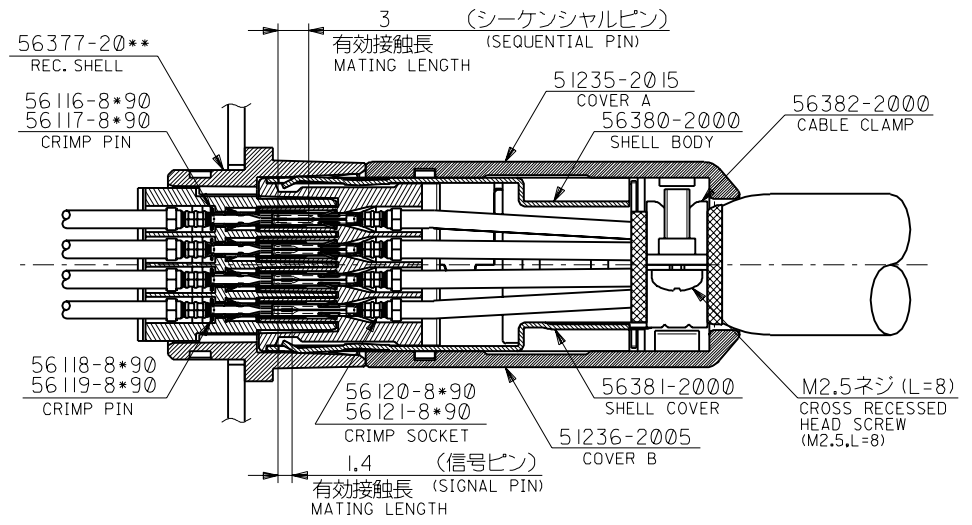
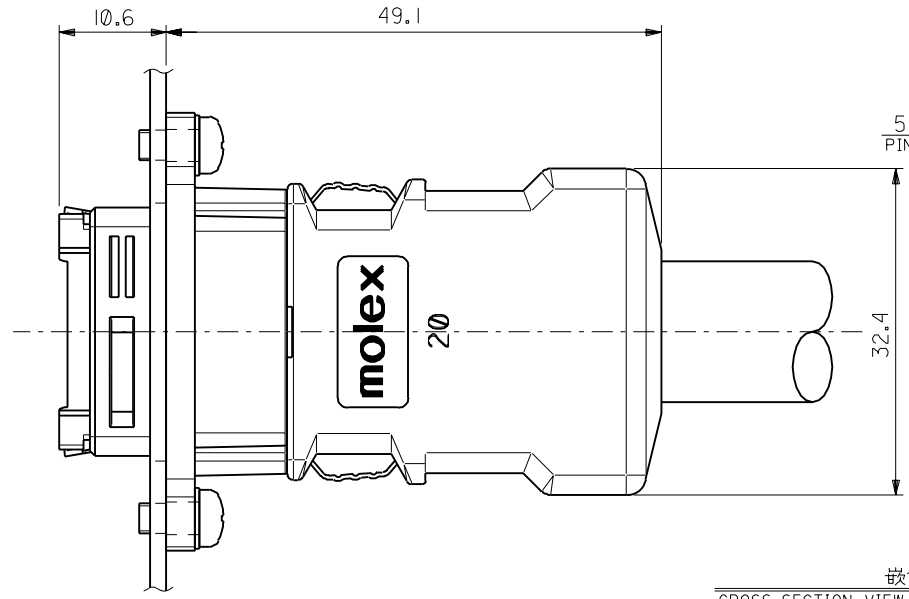
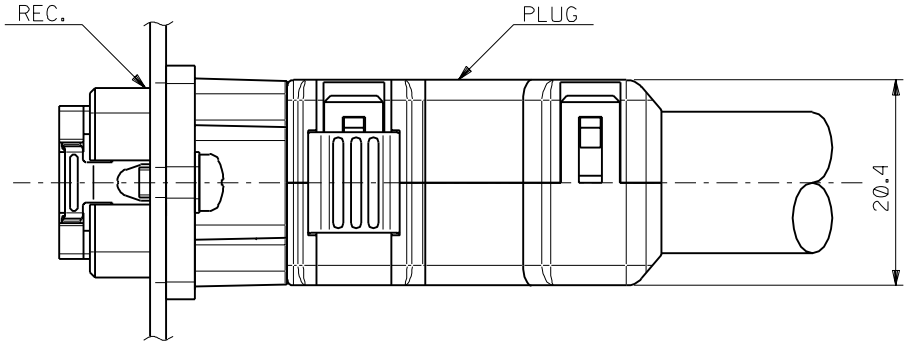
1. 材質 MATERIAL
①ハウジング：ガラス入りPBT樹脂
HOUSING : PBT G.F.
UL94V-0 色：黒
UL94V-0 COLOR : BLACK
②スプリング：ステンレス鋼 t0.3
SPRING : STAINLESS STEEL t0.3
2. 適用端子：56116-8*90 , 56117-8*90
56118-8*90 , 56119-8*90
APPLICABLE CRIMP PIN : 56116-8*90 , 56117-8*90
56118-8*90 , 56119-8*90
3. 適用リセプタクル シェル：56377-20**
APPLICABLE RECEPTACLE 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. Akizawa 01/01/25		TITLE: COMPACT ROBOT CONN. (CRC) REC. PIN HS'G ASS'Y			
						30 UNDER 未満	±0.25		CHECKED BY & DATE J. Miyazawa / Y. O. Ito						
						WIRE RANGE 適用電線範囲	30 OVER 以上		±0.3	APPROVED BY & DATE S. Akizawa		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
CROSS-SECTION VIEW OF MATED CONNECTOR

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: YO. ITO		RELEASED '01/02/16 EC NO. JD2001- 1040 DRWN: S.AKIYAMA CHK': J.MIYAZAWA APPR: H.IKESUGI		DESCRIPTION MATERIAL 材料 注記参照 SEE NOTES		FINISH 仕上り		WIRE RANGE 適用電線範囲		INS. RANGE 被覆外径		GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差		SCALE 2-1		DESIGN UNITS mm ☒ INCH ☐		THIRD ANGLE PROJECTION ☒ ☐		mm ☐ INCH ☐ mm ☒ ONLY		REVISE ON CAD ONLY					
A		0										#		#		#		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		molex MOLEX INCORPORATED		SHEET NO. 2 OF 4					
																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		CAD FILENAME 51233008.S02		MATERIAL NO. SEE CHART		DRAWING NO. SD-51233-008		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		SIZE B	



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: YO. ITO	RELEASED '01/02/16 EC NO. JD2001-1040 DRWN: S. AKIYAMA CHK: 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 ☐ mm ONLY	REVISE ON CAD ONLY	
											FINISH 仕上	10 UNDER 未満	±0.2	DRAWN BY & DATE S. Akiyama '01/01/25		TITLE: COMPACT ROBOT CONN. (CRC) REC. PIN HS'G ASS'Y			
										10 OVER 以上 30 UNDER 未満				±0.25	CHECKED BY & DATE S. Miyazawa / Y. Ito				
														30 OVER 以上	±0.3	APPROVED BY & DATE H. Ikesugi		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	0	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

