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Part Number: [0512382011](#)
Status: **Active**
Description: CRC™ Shielded Rectangular I/O Receptacle Housing for Female 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	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)	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)	N/A
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	N/A
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	1A, 2A, 3.5A, 3A
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
[51238Series](#)

Mates With
51234-200X plug housing|55836-200X plug assembly set

Use With
56377-200* receptacle shell|56120 and 56121 female terminal

Material Info

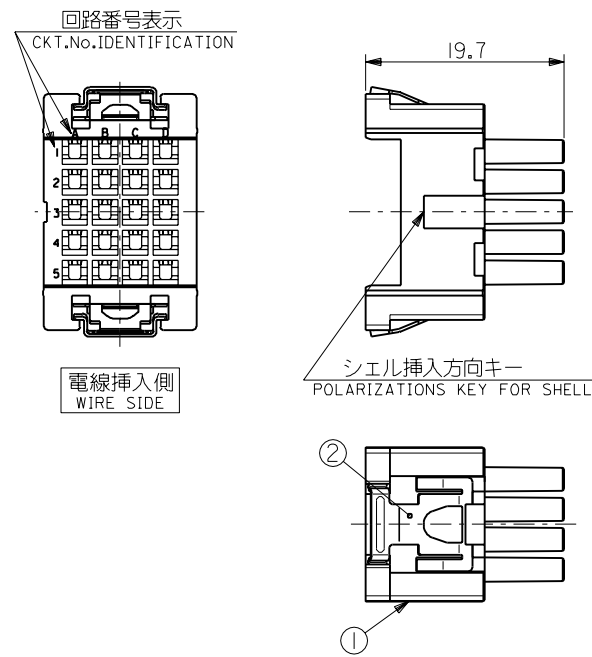
Reference - Drawing Numbers

Product Specification
Sales Drawing

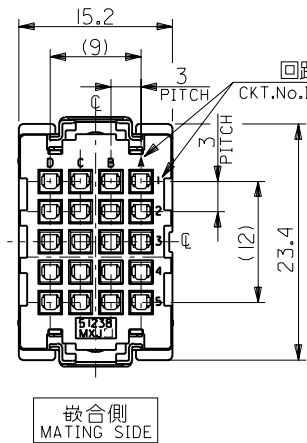
PS-51238-010, PS-51238-018, RPS-51238-001
SD-51238-008

This document was generated on 04/12/2010

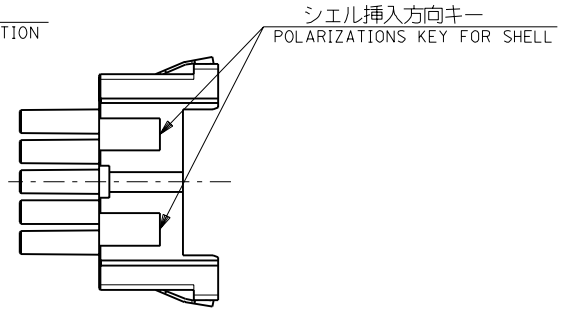
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電線挿入側
WIRE SIDE



嵌合側
MATING SIDE



注記
NOTES

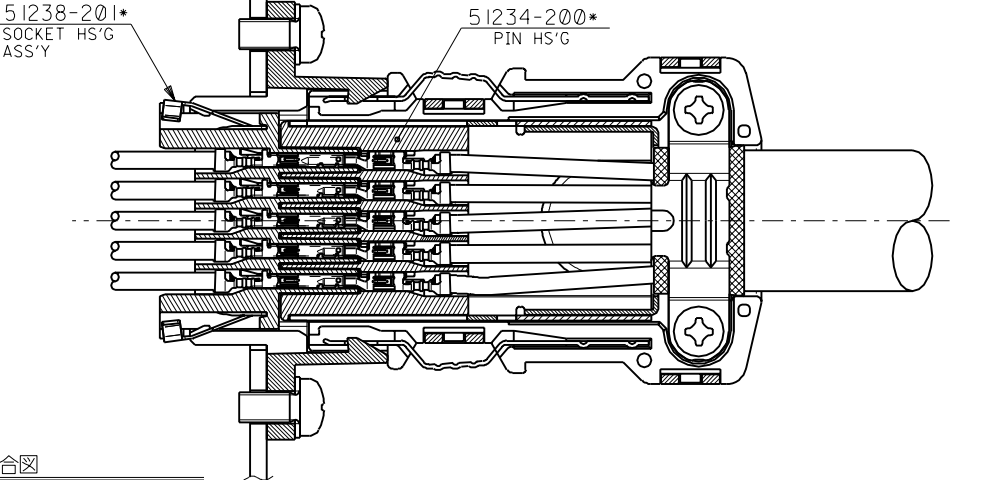
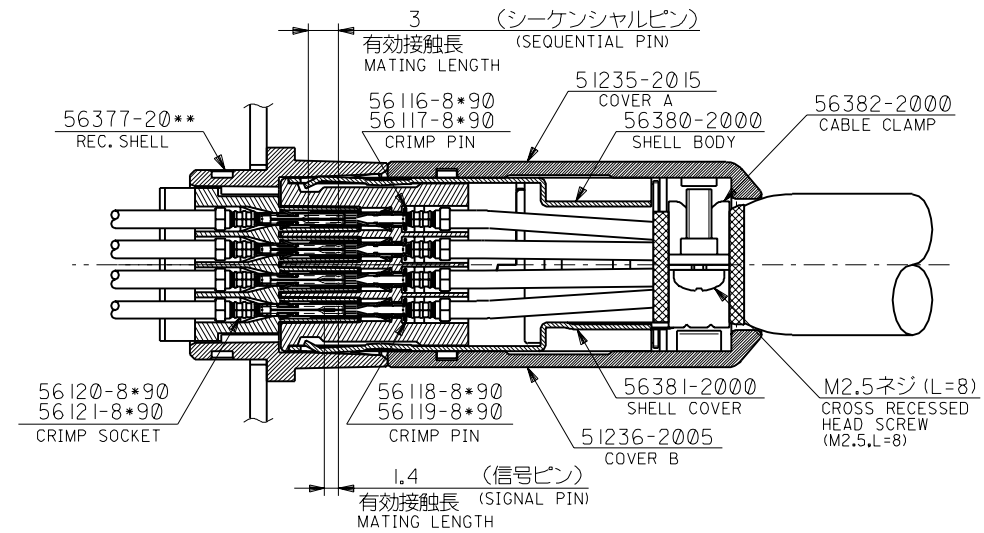
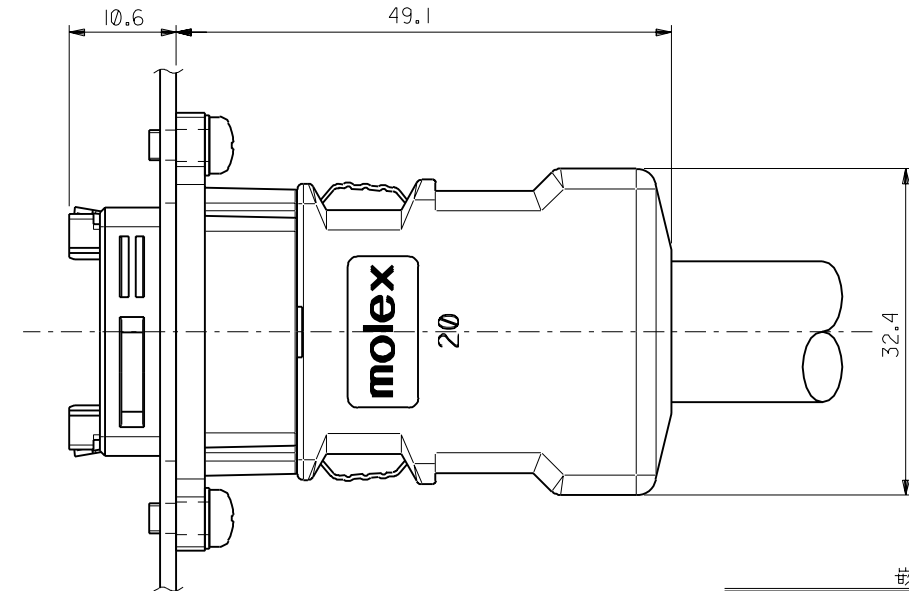
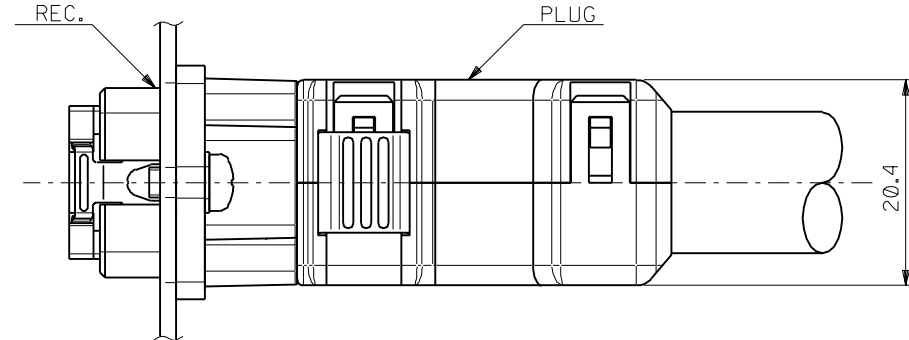
1. 材質
MATERIAL
①ハウジング: ガラス入りPBT樹脂
HOUSING: PBT G.F.
UL94V-0 色: 黒
UL94V-0 COLOR: BLACK
②スプリング: ステンレス鋼 t0.3
SPRING: STAINLESS STEEL t0.3
2. 適用端子: 56120-8*90, 56121-8*90
APPLICABLE CRIMP PIN: 56120-8*90, 56121-8*90
3. 適用リセプタクル シェル: 56377-20**
APPLICABLE RECEPTACLE SHELL: 56377-20**
4. 嵌合相手: 51234-200*
MEET WITH: 51234-200*

<誤嵌合防止キー(極性)タイプ> <POLARITY KEY TYPE>

51238-2011	51238-2012	51238-2013	51238-2014	51238-2015
STANDARD TYPE	A TYPE	B TYPE	C TYPE	D TYPE

C-4	D	51238-2015	51238-***	20
C-3	C	51238-2014		
B-3	B	51238-2013		
B-2	A	51238-2012		
—#—	STANDARD	51238-2011		
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: YO. ITO	RELEASED 01/02/16 EC NO. JD2001-1040 DRWN: S.AKIYAMA CHK: J.MIYAZAWA APPR: H.IKESUGI	DESCRIPTION REV	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 仕上り	10 UNDER 未満	±0.2	DRAWN BY & DATE S. Akiyama 01/01/25	TITLE: COMPACT ROBOT CONN. (CRC) REC. SOCKET HS'G ASS'Y			
						30 UNDER 以上 未満	±0.25	CHECKED BY & DATE J. 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 51238008.S01	MATERIAL NO. SEE CHART	DRAWING NO. SD-51238-008	SHEET NO. 1 OF 4	
						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



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: Y. ITO		RELEASED 01/02/16 EC NO. JD2001-1040 DRWN: S. AKIYAMA CHK: J. MIYAZAWA APPR: H. IKESUGI		MATERIAL 材料		GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差		SCALE 2-1		DESIGN UNITS mm □ mm □ INCH		THIRD ANGLE PROJECTION		DIMENSIONS: mm □ mm □ INCH □ mm ONLY		SHT REVISE ON CAD ONLY	
A		0		0		0		0		SEE NOTES		10 UNDER 未満		±0.2		DRAWN BY & DATE S. Akizawa / 01/25		CHECKED BY & DATE J. Miyazawa / 01/25		APPROVED BY & DATE H. Ikesugi / 01/25		TITLE: COMPACT ROBOT CONN. (CRC) REC. SOCKET HS'G ASS'Y	
0		0		0		0		0		FINISH 仕上げ		10 OVER 30 UNDER 以上 未満		±0.25		CAD FILE NAME 51238008.S01		MATERIAL NO. SEE CHART		DRAWING NO. SD-51238-008		SHEET NO. 2 OF 4	
0		0		0		0		0		WIRE RANGE 適用電線範囲		30 OVER 以上		±0.3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		MATERIAL NO. SEE CHART		DRAWING NO. SD-51238-008		SHEET NO. 2 OF 4	
0		0		0		0		0		INS. RANGE 被覆外径		ANGLE 角度		±3°		MOLEX INCORPORATED		MATERIAL NO. SEE CHART		DRAWING NO. SD-51238-008		SHEET NO. 2 OF 4	
0		0		0		0		0		0		0		0		0		0		0		0	

[illegible]

DWG. NO.
SD-51233-008

F

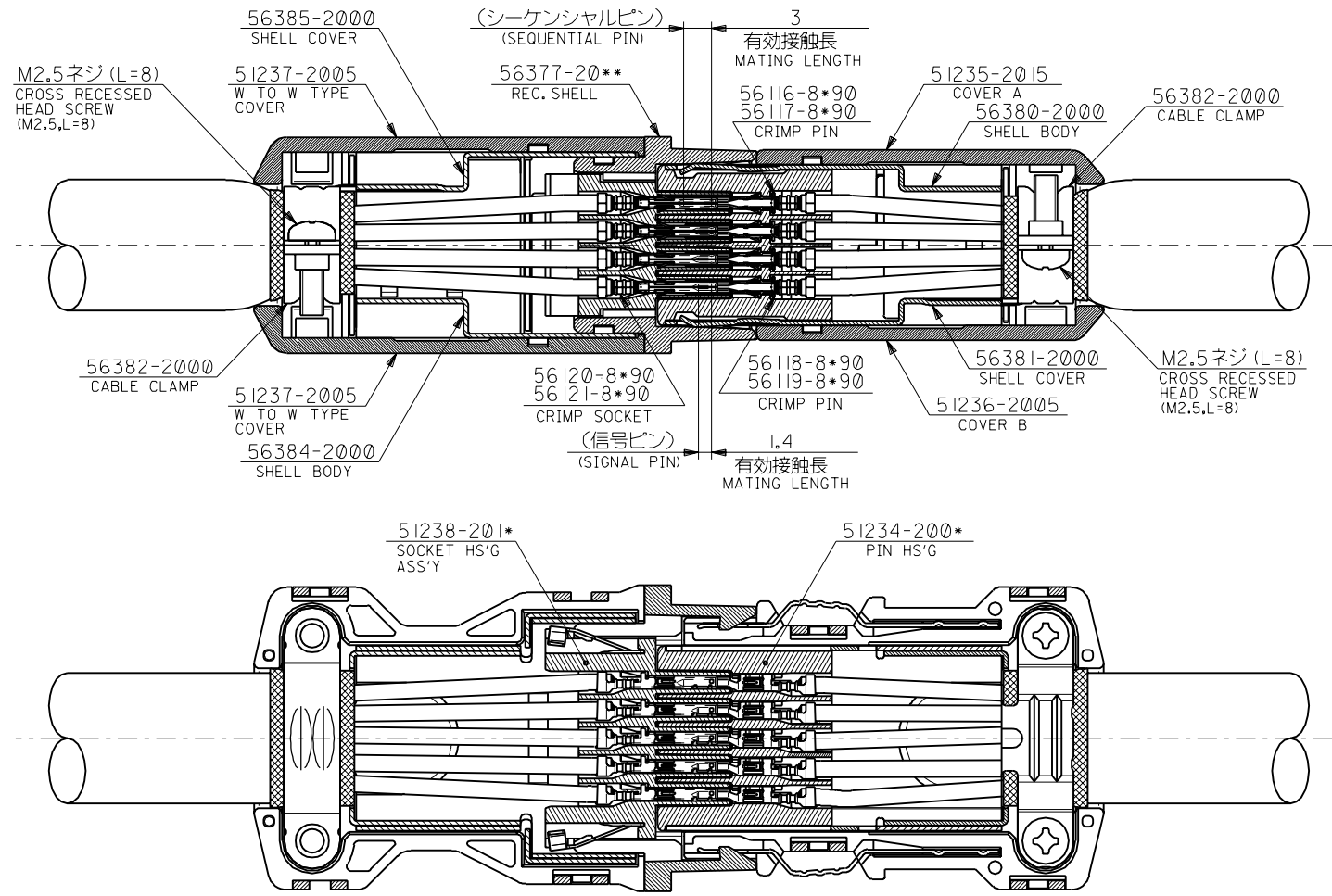
D

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: 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: HIKESUGI			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		SHEET NO. REVISE ON CAD ONLY	
															FINISH 仕上り		10 UNDER 未満		±0.2	DRAWN BY & DATE S. Akiyama 01/01/25		TITLE: COMPACT ROBOT CONN. (CRC) REC. SOCKET 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. Akiyama		MOLEX INCORPORATED						
															WIRE RANGE 適用電線範囲					CAD FILE NAME 51238008.S04		MATERIAL NO. SEE CHART		DRAWING NO. SD-51238-008		SHEET NO. 4 OF 4		
															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				

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51238008.S04



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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