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Part Number: [0512382014](#)
Status: **Active**
Description: CRC™ Shielded Rectangular I/O Receptacle Housing for Female 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	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

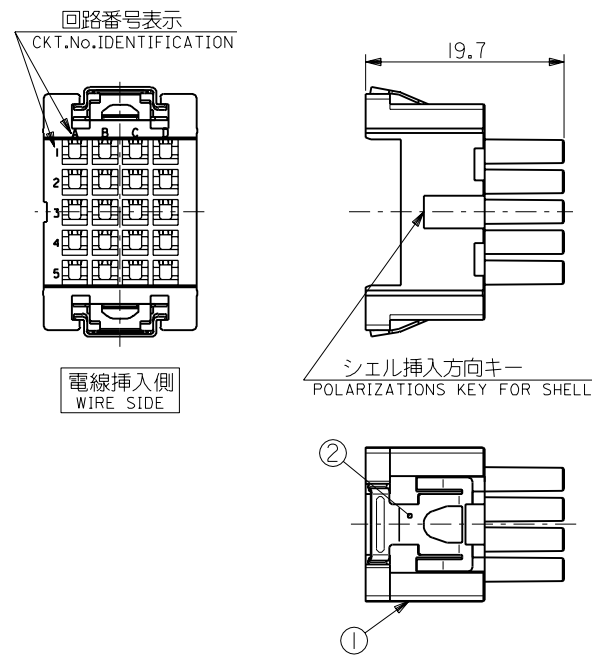
Material Info

Reference - Drawing Numbers

Product Specification	PS-51238-010, PS-51238-018, RPS-51238-001
Sales Drawing	SD-51238-008

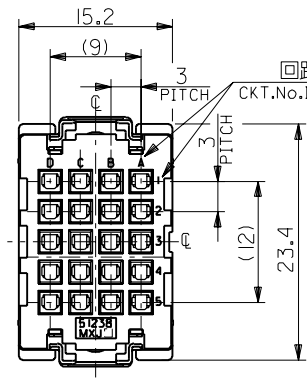
This document was generated on 04/12/2010

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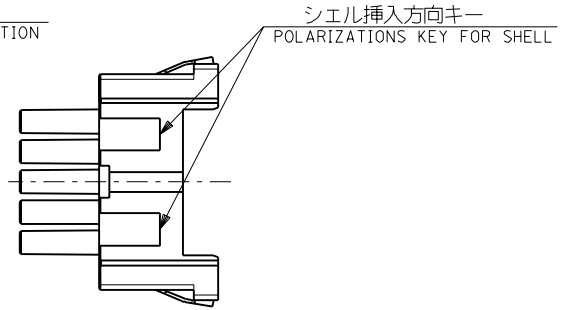


電線挿入側
WIRE SIDE

シエル挿入方向キー
POLARIZATIONS KEY FOR SHELL



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**

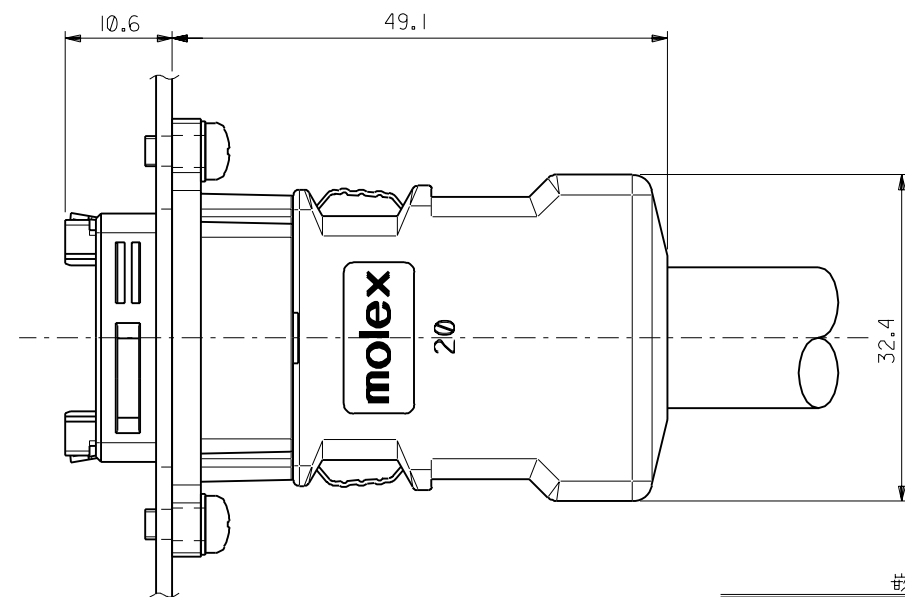
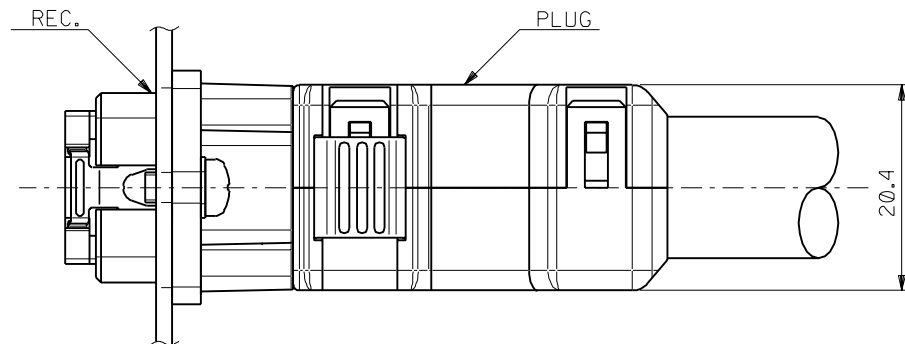
4. 嵌合相手：51234-200*
MEET WITH : 51234-200*

<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

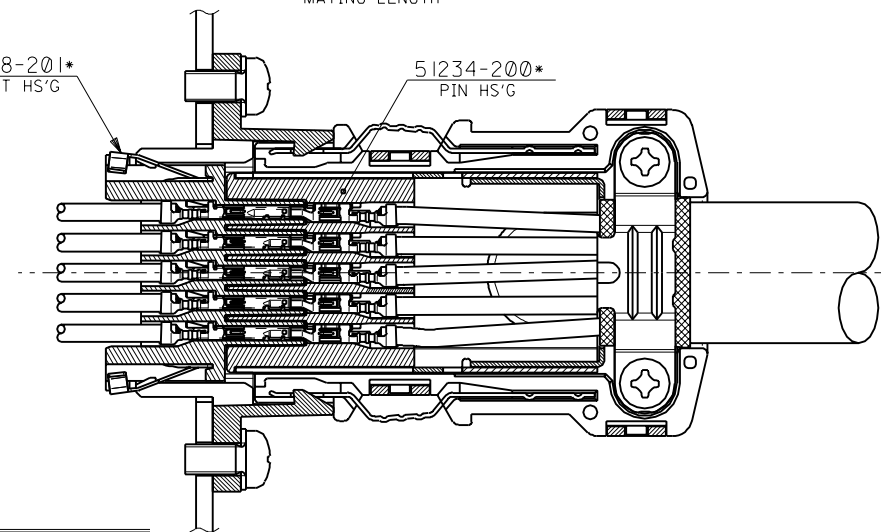
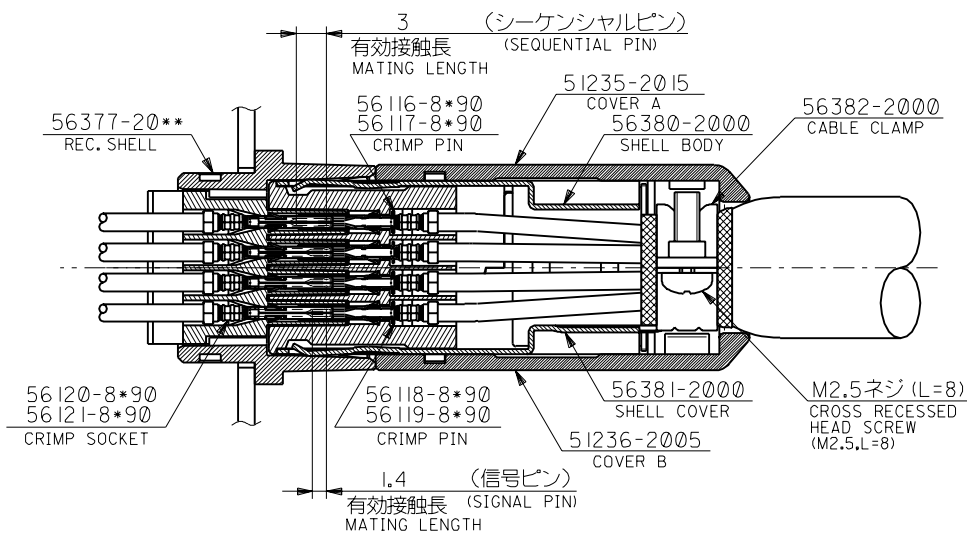
C-4	D	51238-2015	51238-***	20
C-3	C	51238-2014		
B-3	B	51238-2013		
B-2	A	51238-2012		
—#—	STANDARD	51238-2011		
POLARITY POSITION (CIRCUIT No.)	POLARITY TYPE	MATERIAL No.	MODEL No.	CIRCUIT

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: Y. 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	
						10 UNDER 未満		±0.2	DRAWN BY & DATE S. Akiyama 01/25		TITLE: COMPACT ROBOT CONN. (CRC) REC. SOCKET HS'G ASS'Y				
						10 OVER 以上		30 UNDER 未満	±0.25	CHECKED BY & DATE J. Miyazawa / Y. Ito					
						30 OVER 以上		±0.3	APPROVED BY & DATE H. Ikesugi						
						WIRE RANGE 適用電線範囲		ANGLE 角度		±3°					CAD FILE NAME 51238008.S01
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'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: Y. ITO	0 EC NO. JD2001-1040 DRWN: S. AKIYAMA CHK'g: J. MIYAZAWA APPR: H. IKESUGI	DESCRIPTION MATERIAL 材料 注記参照 SEE NOTES FINISH 仕上げ — WIRE RANGE 適用電線範囲 — INS. RANGE 被覆外径 —	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差 10 UNDER 未満 ±0.2 10 OVER 30 UNDER 以上 未満 ±0.25 30 OVER 以上 ±0.3 ANGLE 角度 ±3°	SCALE 2-1 DRAWN BY & DATE S. Akiyama / 01/25 CHECKED BY & DATE J. Miyazawa / 3/06 APPROVED BY & DATE H. Ikesugi CAD FILE NAME 51238008.S01	DESIGN UNITS mm □ INCH THIRD ANGLE PROJECTION TITLE: COMPACT ROBOT CONN. (CRC) REC. SOCKET HS'G ASS'Y MATERIAL NO. SEE CHART DRAWING NO. SD-51238-008 SHEET NO. 2 OF 4	DIMENSIONS: mm □ INCH mm ONLY SHT REV REVISE ON CAD ONLY	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 以上 30 UNDER 未満	±0.25	CHECKED BY & DATE S. Akiyama / Y. Ito							
													30 OVER 以上	±0.3	APPROVED BY & DATE S. Akiyama							
												WIRE RANGE 適用電線範囲			ANGLE 角度	±3°	CAD FILE NAME 51238008.S03	MATERIAL NO. SEE CHART	DRAWING NO. SD-51238-008	SHEET NO. 3 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

DWG. NO.
SD-51233-008

F

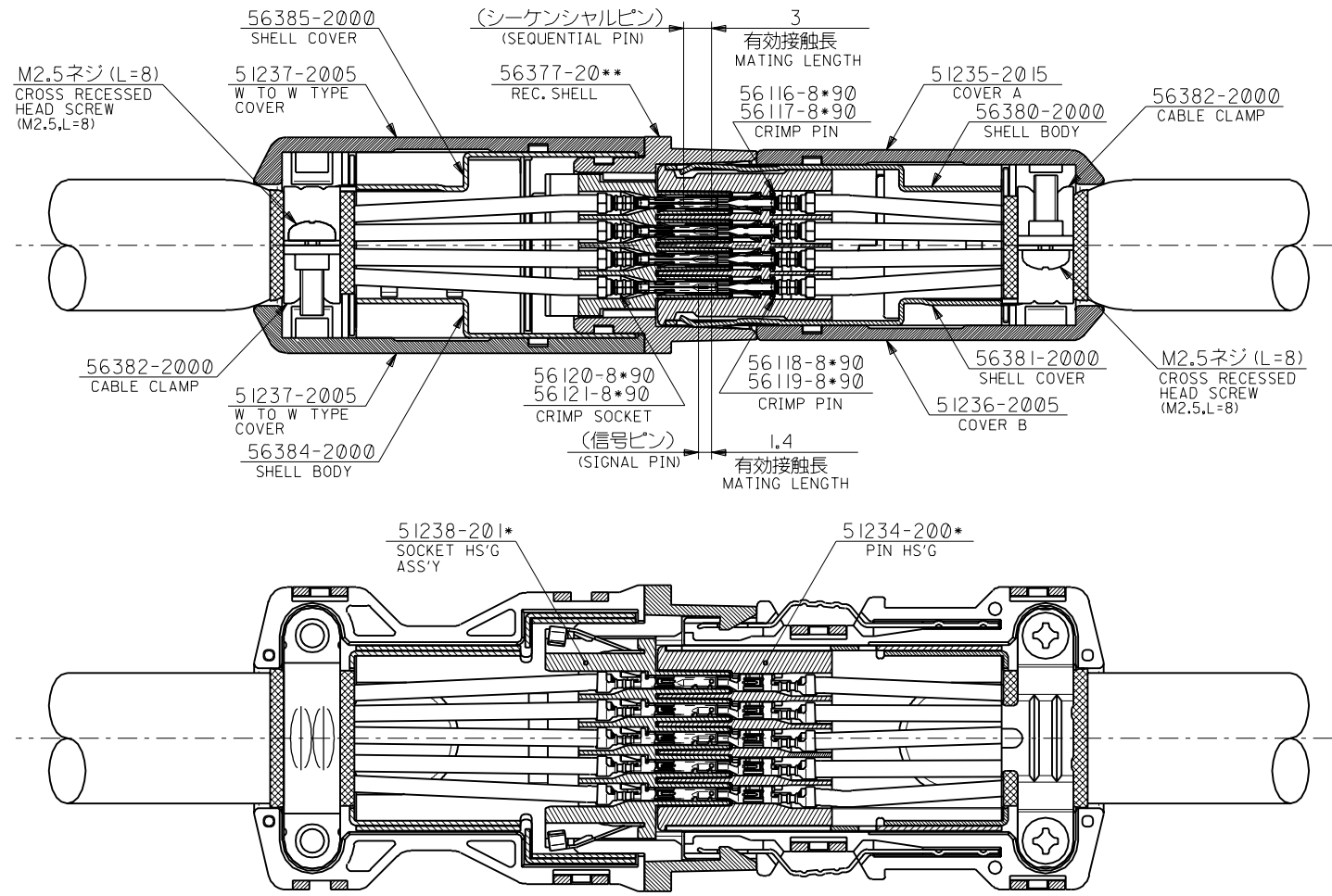
D

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 ☐ INCH ☒ mm ONLY	SHEET NO. 4 OF 4	REVISE ON CAD ONLY							
												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	—	ANGLE 角度	±3°	CAD FILENAME 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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

51238008.S04