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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

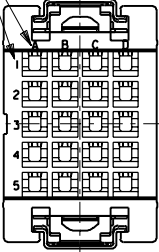
Reference - Drawing Numbers

Product Specification	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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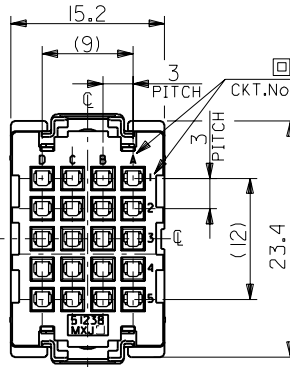
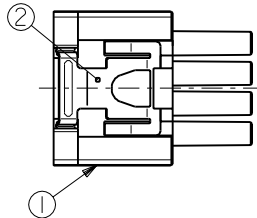
回路番号表示
CKT.No.IDENTIFICATION



電線挿入側
WIRE SIDE

19.7

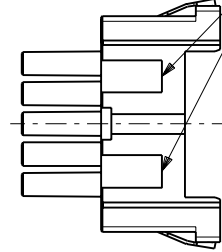
シエル挿入方向キー
POLARIZATIONS KEY FOR SHELL



嵌合側
MATING SIDE

回路番号表示
CKT.No.IDENTIFICATION

シエル挿入方向キー
POLARIZATIONS KEY FOR SHELL



注記
NOTES

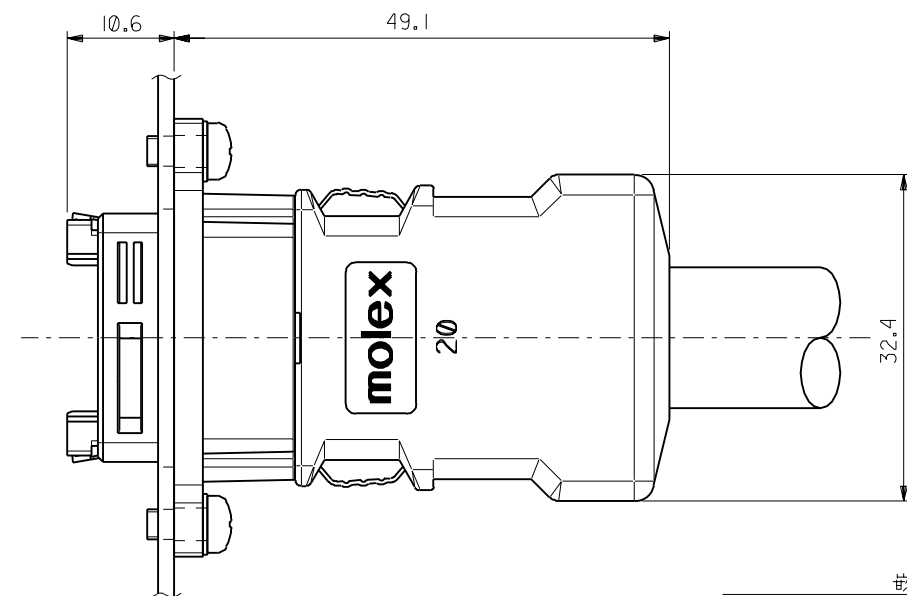
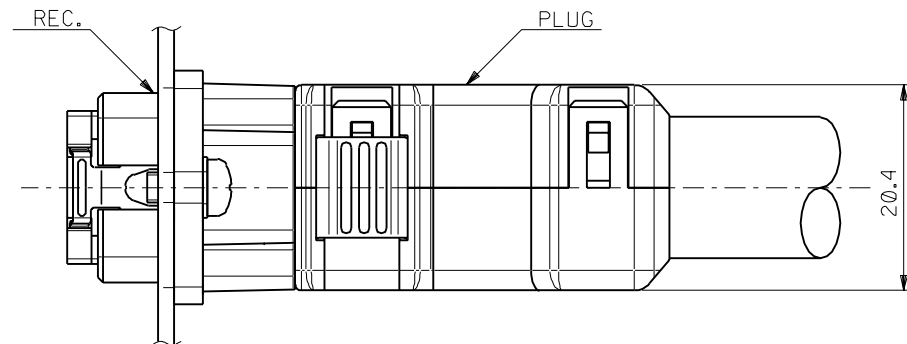
1. 材 質
MATERIAL
①ハウジング：ガラス入りPBT樹脂
HOUSING : PBT G.F.
UL 94V-0 色：黒
UL 94V-0 COLOR : BLACK
②スプリング：ステンレス鋼 t0.3
SPRING : STAINLESS STEEL t0.3
2. 適用端子：56120-8*90 , 56121-8*90
APPLICABLE CRIMP PIN : 56120-8*90 , 56121-8*90
3. 適用リセプタクル シエル：56377-20**
APPLICABLE RECEPTACLE SHELL : 56377-20**
4. 嵌合相手：51234-200*
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

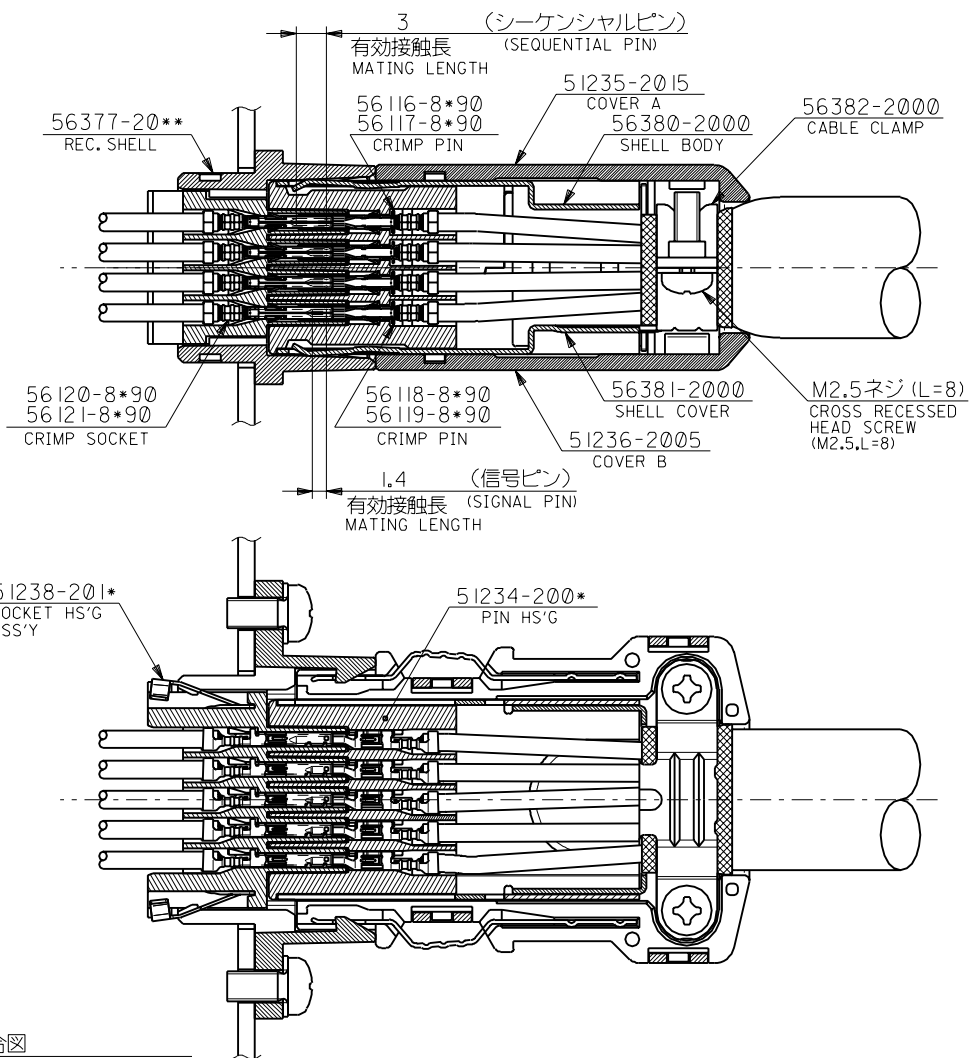
C-4	D	51238-2015	51238-***	20
C-3	C	51238-2014		
B-3	B	51238-2013		
B-2	A	51238-2012		
—#—	STANDARD	51238-2011		
POLARITY POSITION (CIRCUIT No.)	POLARITY TYPE	MATERIAL No.	MODEL No.	CIRCUIT

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			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	
									A			Ø			REV			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 J. Miyazawa / Y. Ito								
																					30 OVER 以上			±0.3		APPROVED BY & DATE H. Ikesugi		MOLEX INCORPORATED					
																					ANGLE 角度			±3°		CAD FILE NAME 51238008.S01		MATERIAL NO. SEE CHART		DRAWING NO. SD-51238-008		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'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

RELEASED 01/02/16
EC NO. JD2001-1040
DRWN: S. AKIYAMA
CHK'g: J. MIYAZAWA
APPR: H. IKESUGI

REV

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

10 OVER
以上

30 UNDER
未満

30 OVER
以上

ANGLE 角度

SCALE
2-1

DESIGN UNITS
mm □ INCH

DRAWN BY & DATE
S. Akiyama 01/01/25

CHECKED BY & DATE
J. Miyazawa 1/3/06

APPROVED BY & DATE
H. Ikesugi

CAD FILE NAME
51238008.S01

THIRD ANGLE
PROJECTION

TITLE:
COMPACT ROBOT CONN. (CRC)
REC. SOCKET HS'G ASS'Y

MOLEX INCORPORATED

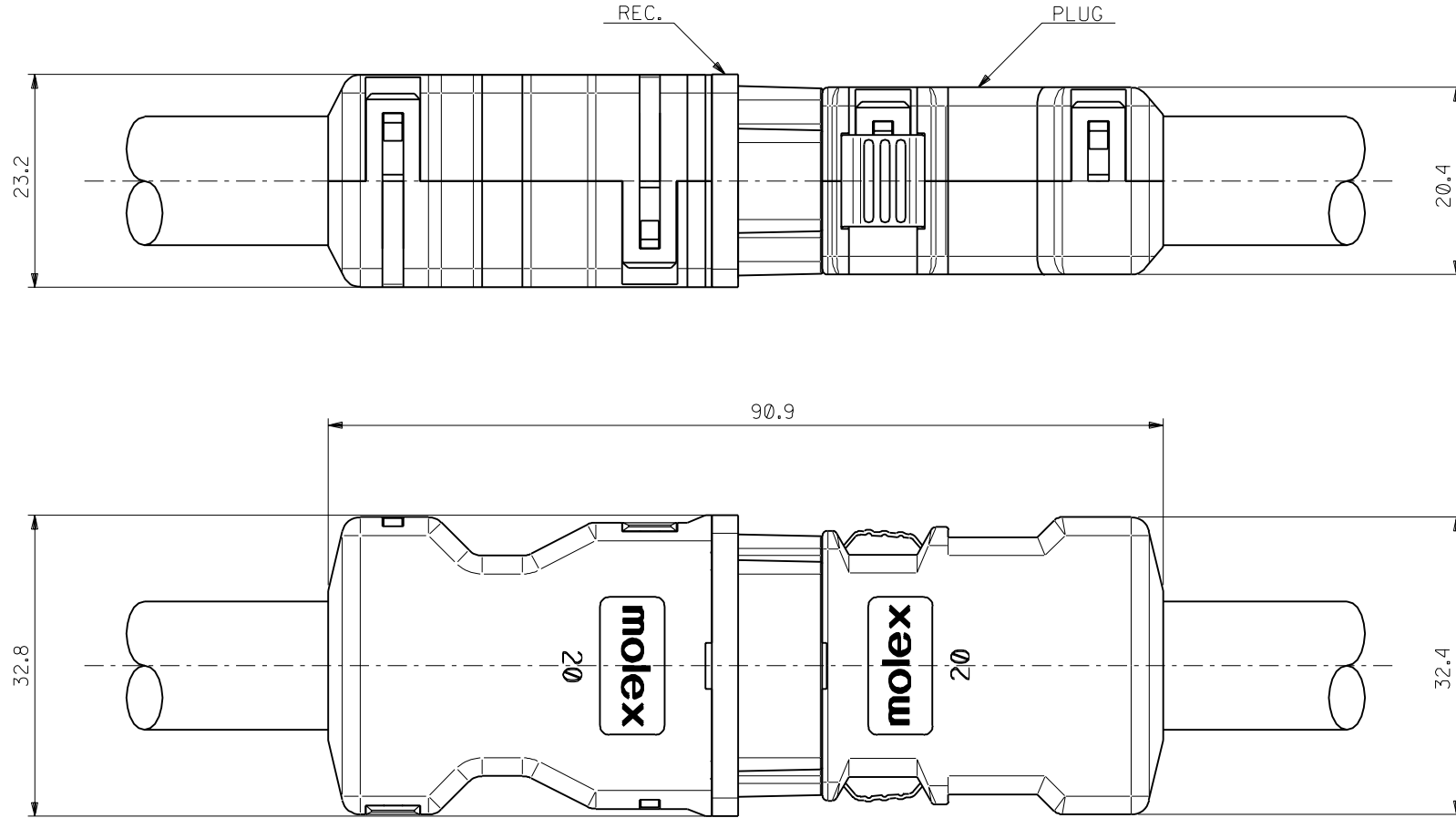
MATERIAL NO.
SEE CHART

DRAWING NO.
SD-51238-008

SHEET NO.
2 OF 4

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SIZE
B



嵌合図 (中継タイプ)

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

(WIRE TO WIRE TYPE)										DIMENSIONS:			SHT	REV
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	RELEASED 01/02/16 EC NO. JD2001-1040 DRWN: S.AKIYAMA CHK'g: 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. Akizawa 01/01/25	TITLE: COMPACT ROBOT CONN. (CRC) REC. SOCKET HS'G ASS'Y				
						30 OVER 以上	±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 H. Ikisugi	MOLEX INCORPORATED				
INS. RANGE 被覆外径	REV	A	0			ANGLE	角度	±3°	CAD FILE NAME 51238008.S03	MATERIAL NO. SEE CHART	DRAWING NO. SD-51238-008	SHEET NO. 3 OF 4		
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.								

DWG. NO.
SD-51233-008

F

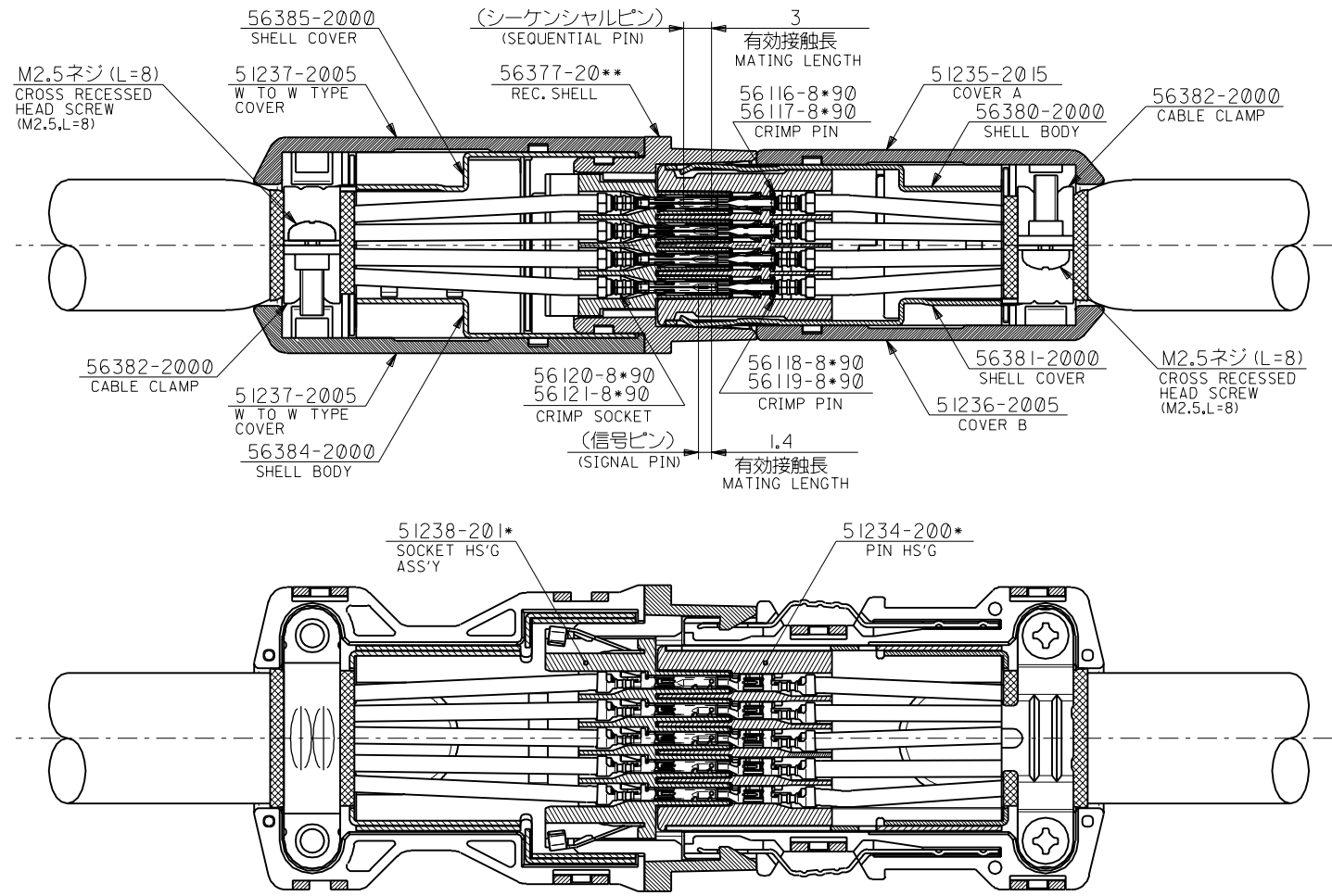
D

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 ☒ mm ONLY	SHT REV	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 以上 30 UNDER 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 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

51238008.S04

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

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- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

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Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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Email: org@lifeelectronics.ru

www.lifeelectronics.ru