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Part Number: [0512381211](#)
Status: **Active**
Description: CRC™ Shielded Rectangular I/O Receptacle Housing for Female Terminal, Signal, 12 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)	12
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	4
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, 3A, 4A
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

51234-120X plug housing|55836-120X plug
assembly set

Use With

56377-120* receptacle shell|56120, 56121
female terminal

Material Info

Reference - Drawing Numbers

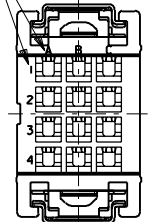
Product Specification
Sales Drawing

PS-51238-010, PS-51238-018, RPS-51238-001
SD-51238-007

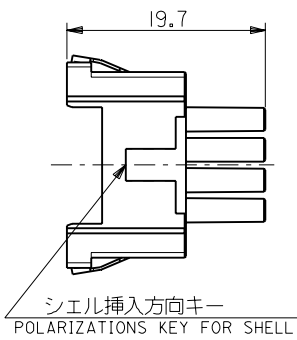
This document was generated on 04/12/2010

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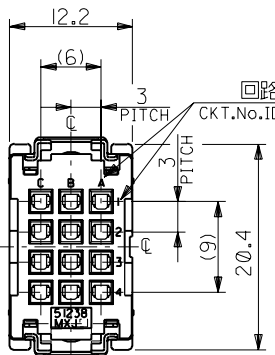
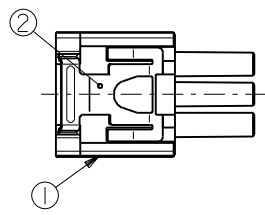
回路番号表示
CKT.No. IDENTIFICATION



電線挿入側
WIRE SIDE



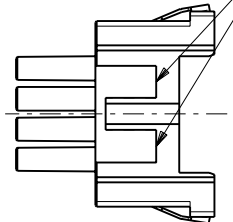
シエル挿入方向キー
POLARIZATIONS KEY FOR SHELL



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.

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：56377-12**
APPLICABLE RECEPTACLE SHELL : 56377-12**

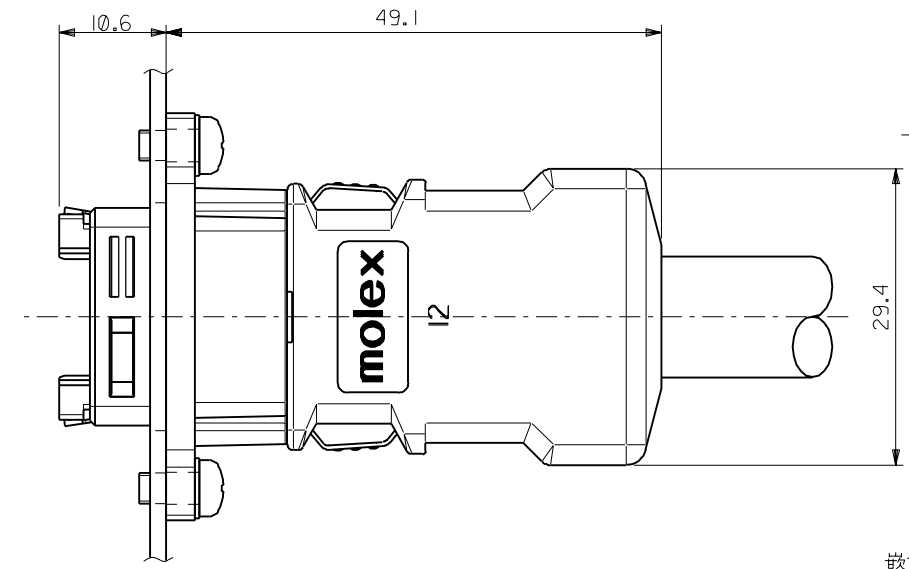
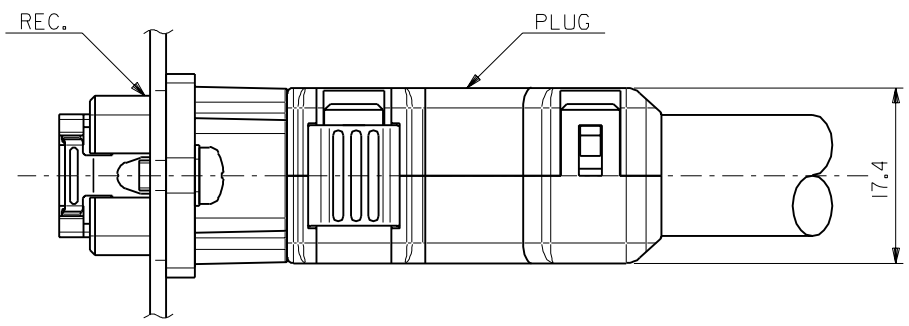
4. 嵌合相手：51234-120*
MEET WITH : 51234-120*

<誤嵌合防止キー（極性）タイプ> <POLARITY KEY TYPE>

51238-1211	51238-1212	51238-1213	51238-1214	51238-1215
STANDARD TYPE	A TYPE	B TYPE	C TYPE	D TYPE

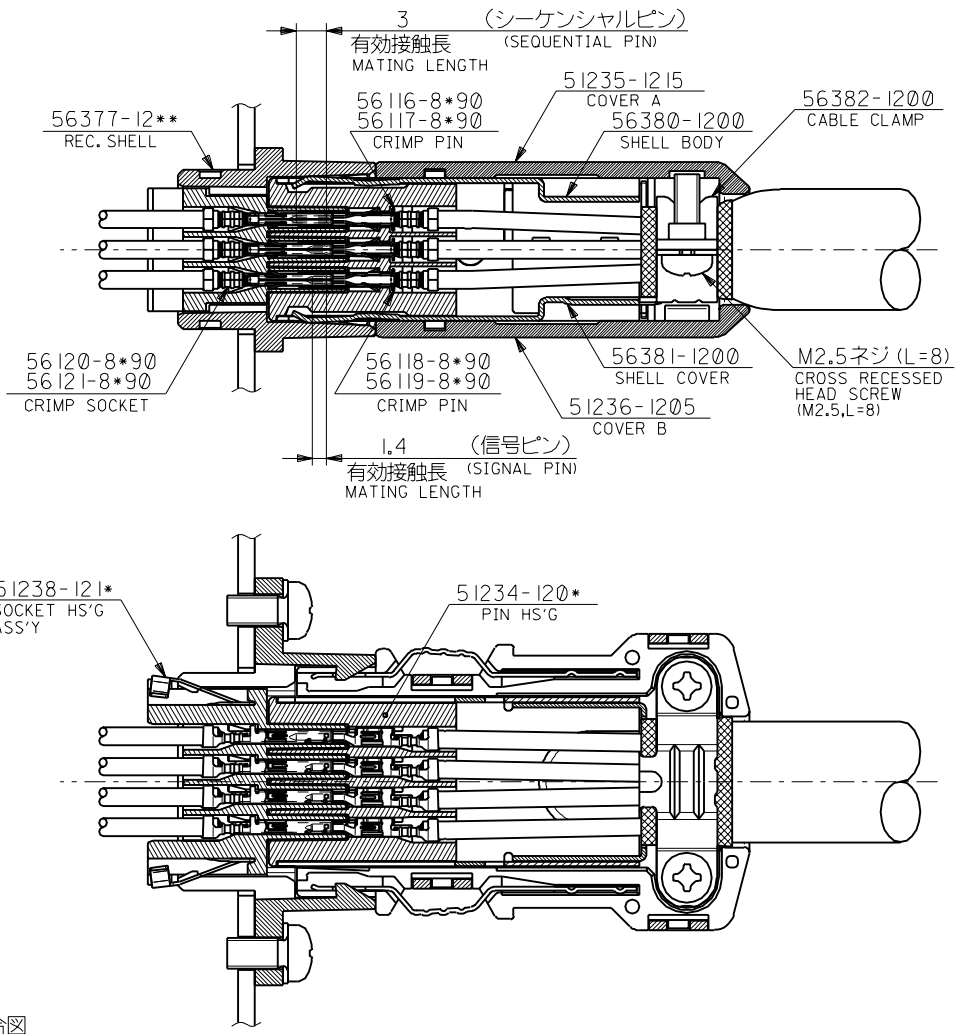
A-2	D	51238-1215	51238-***12	12
C-3	C	51238-1214		
B-3	B	51238-1213		
B-2	A	51238-1212		
—#—	STANDARD	51238-1211		
POLARITY POSITION (CIRCUIT No.)	POLARITY TYPE	MATERIAL No.	MODEL No.	CIRCUIT

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	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 以上 30 UNDER 未満 ±0.25 30 OVER 以上 ±0.3 ANGLE 角度 ±3°	SCALE 2-1 DESIGN UNITS ☒ mm ☐ INCH DRAWN BY & DATE S. Akiyama 01/01/25 CHECKED BY & DATE J. Miyazawa / Y. Ito APPROVED BY & DATE H. Ikesugi CAD FILE NAME 51238007.S01	THIRD ANGLE PROJECTION DIMENSIONS: ☐ mm ☐ INCH ☒ mm ONLY SHT REV REVISE ON CAD ONLY	TITLE: COMPACT ROBOT CONN. (CRC) REC. SOCKET HS'G ASS'Y MOLEX INCORPORATED	MATERIAL NO. SEE CHART DRAWING NO. SD-51238-007 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

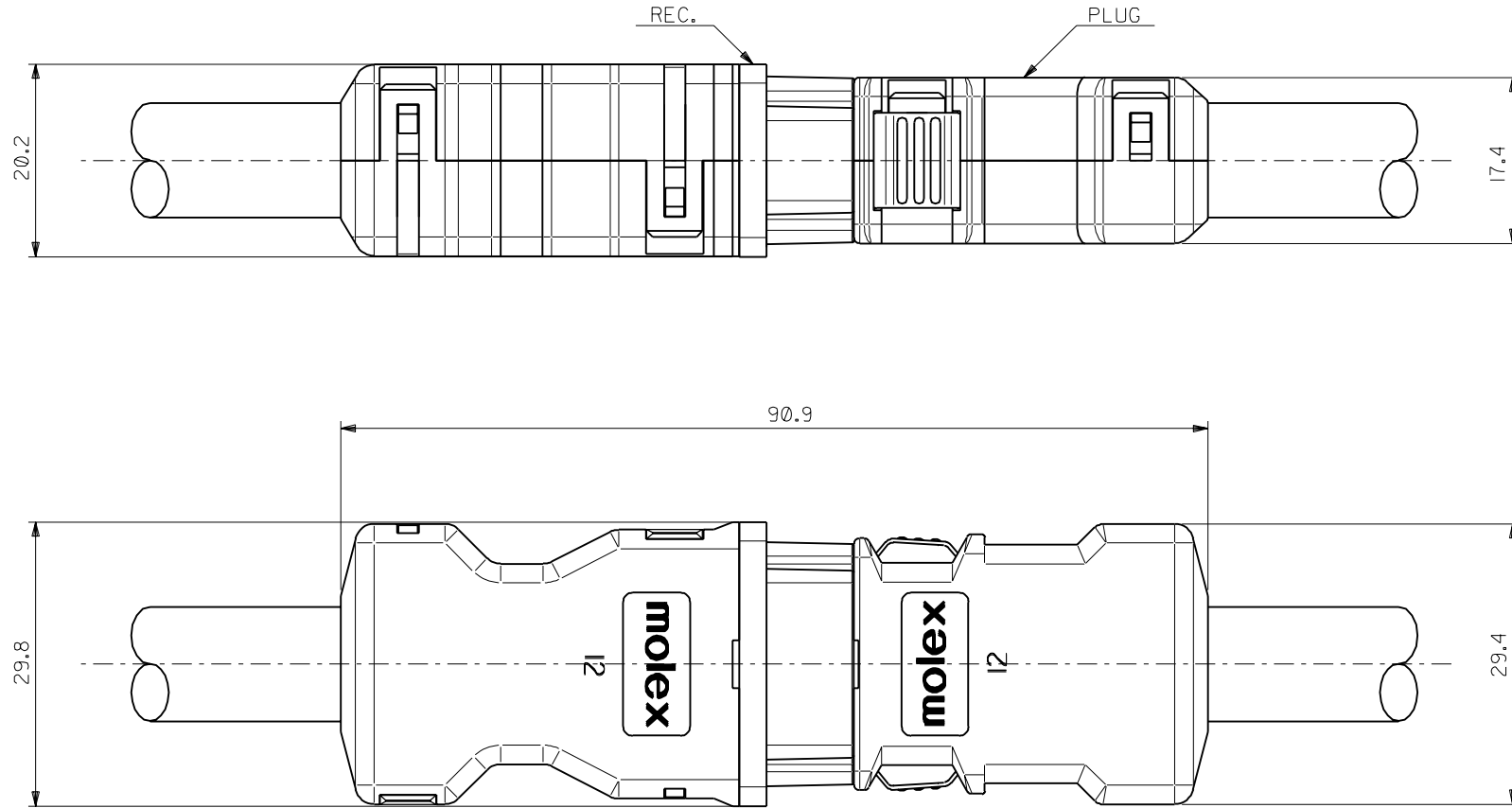


嵌合図

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: YO. ITO	0 EC NO. JD2001-1040 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 / 01/25 CHECKED BY & DATE J. Miyazawa / 3/06 APPROVED BY & DATE Yo. Ito / 3/06 CAD FILENAME 51238007.S01	DESIGN UNITS mm □ INCH THIRD ANGLE PROJECTION TITLE: COMPACT ROBOT CONN. (CRC) REC. SOCKET HS'G ASS'Y MOLEX INCORPORATED MATERIAL NO. SEE CHART DRAWING NO. SD-51238-007 SHEET NO. 2 OF 4	DIMENSIONS: mm □ INCH mm ONLY SHT REV REVISE ON CAD ONLY
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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: 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 INCH ☒ mm ONLY	REVISE ON CAD ONLY	
											FINISH 仕上り			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 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. Ikessugi		MOLEX INCORPORATED			
												WIRE RANGE 適用電線範囲			ANGLE 角度	±3°	CAD FILENAME 51238007.S03		MATERIAL NO. SEE CHART	DRAWING NO. SD-51238-007	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-51238-007

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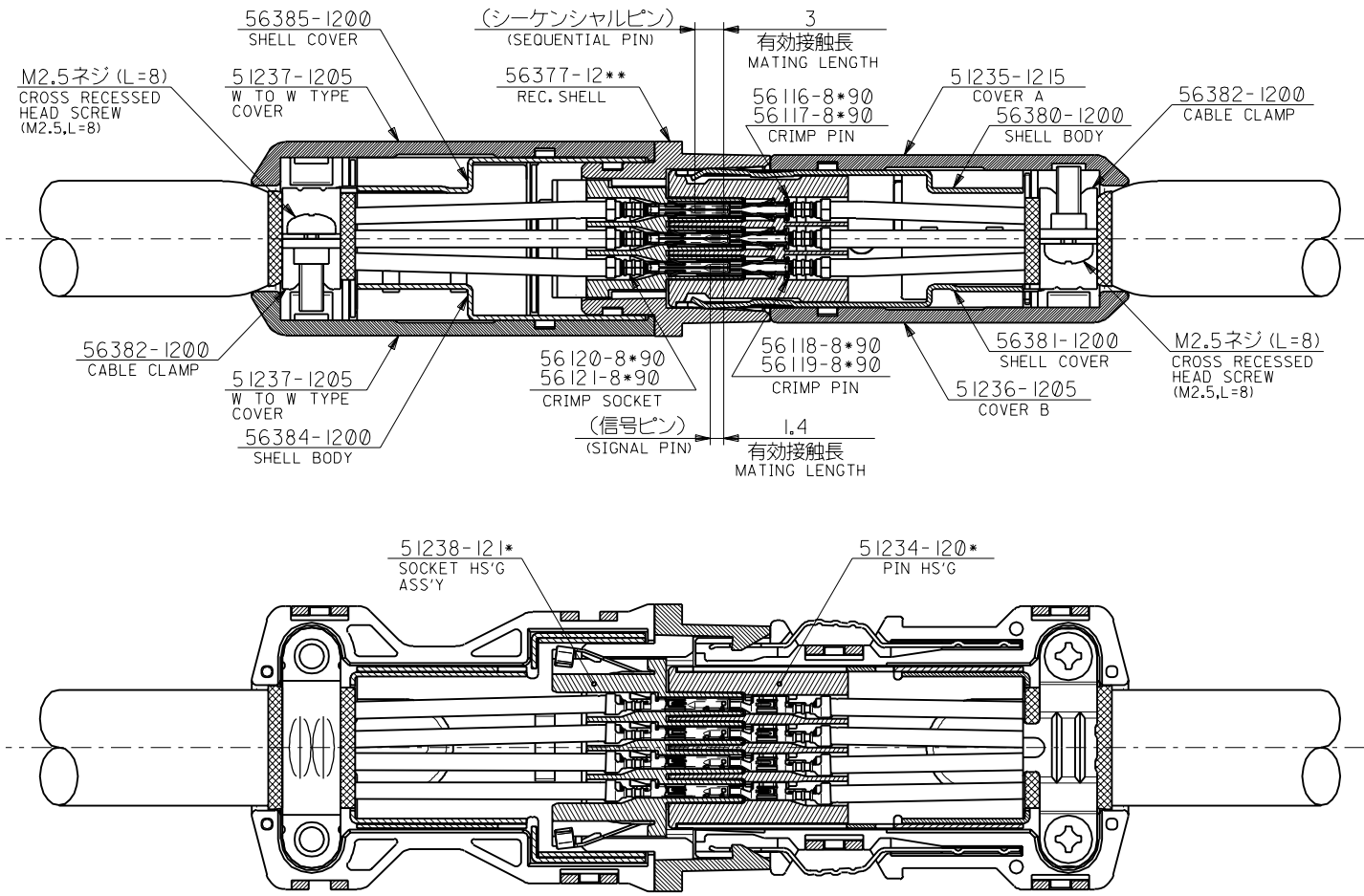
D

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: 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	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 S. Akiyama		MOLEX INCORPORATED								
												WIRE RANGE 適用電線範囲		ANGLE 角度	±3°	CAD FILE NAME 51238007.S04	MATERIAL NO. SEE CHART	DRAWING NO. SD-51238-007	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

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

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- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
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- Формирование склада под заказчика.
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- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

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- 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.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru

www.lifeelectronics.ru