

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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

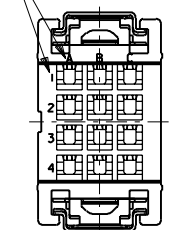
Product Specification
Sales Drawing

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

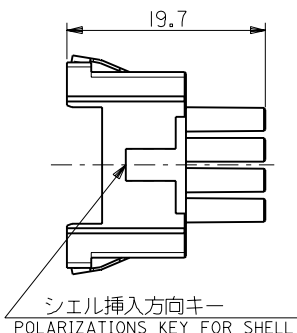
This document was generated on 04/12/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

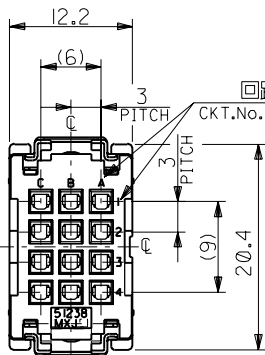
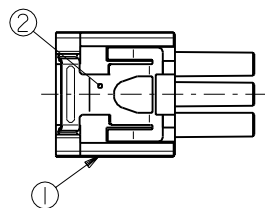
回路番号表示
CKT.No. IDENTIFICATION



電線挿入側
WIRE SIDE



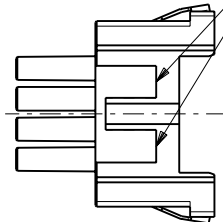
シエル挿入方向キー
POLARIZATIONS KEY FOR SHELL



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

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

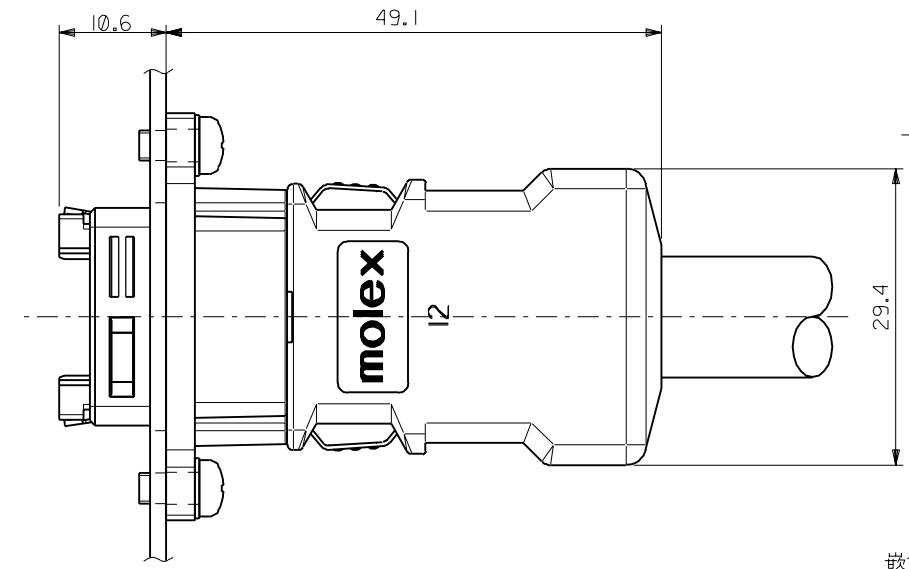
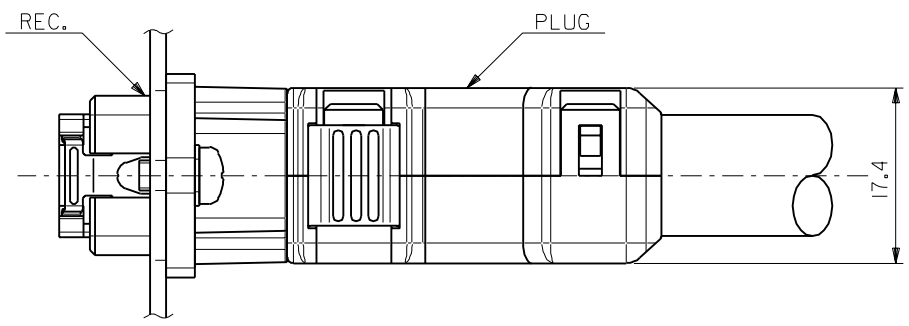
<誤嵌合防止キー（極性）タイプ> <POLARITY KEY TYPE>

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

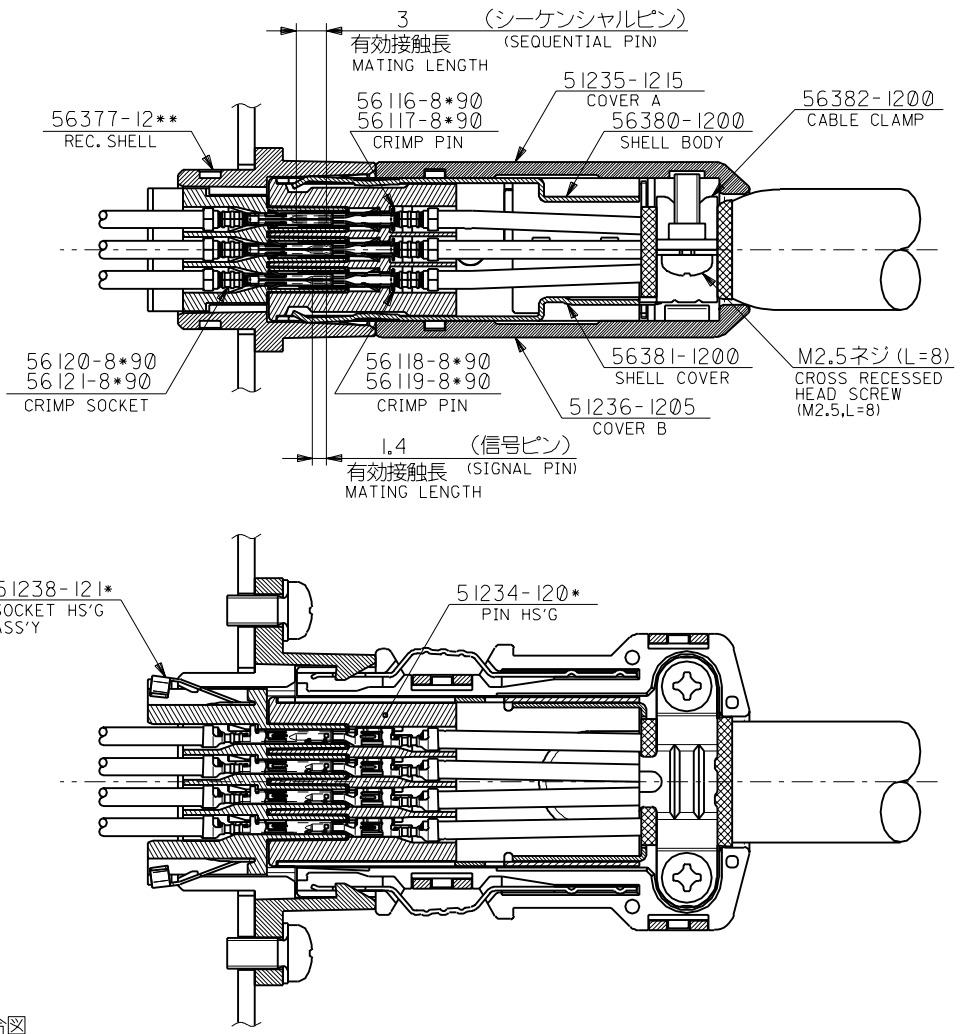
EC NO. DRWN: CHK'g APPR:	EC NO. DRWN: CHK'g APPR:	EC NO. DRWN: CHK'g APPR:	REVISED 01/10/04 EC NO. J2002-0786 DRWN: S. AKIYAMA CHK'g: J. MIYAZAWA APPR: Y. ITO	RELEASED 01/02/16 EC NO. JD2001-1040 DRWN: S. AKIYAMA CHK'g: J. MIYAZAWA APPR: H. IKESUGI	DESCRIPTION MATERIAL 材料 注記参照 SEE NOTES	FINISH 仕上げ —#—	WIRE RANGE 適用電線範囲 —#—	INS. RANGE 被覆外径 —#—	REV	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	SCALE 2-1 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	DESIGN UNITS mm INCH THIRD ANGLE PROJECTION	TITLE: COMPACT ROBOT CONN. (CRC) REC. SOCKET HS'G ASS'Y MOLEX INCORPORATED	DIMENSIONS: mm INCH SHT REV	MATERIAL NO. SEE CHART	DRAWING NO. SD-51238-007	SHEET NO. 1 OF 4	SIZE B

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



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		GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差		SCALE 2-1	DESIGN UNITS ☒ mm ☐ INCH	 THIRD ANGLE PROJECTION	☐ mm ☐ INCH ☐ mm ☐ mm ☒ mm ONLY		SHT REV	REVISE ON CAD ONLY	
A		0		0		0		FINISH 仕上り	—		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°	TITLE: COMPACT ROBOT CONN.(CRC) REC. SOCKET HS'G ASS'Y		
A		0		0		0		WIRE RANGE 適用電線範囲	—		CAD FILENAME 51238007.S01		DRAWN BY & DATE S. Akiyama 01/25		CHECKED BY & DATE J. Miyazawa / Y. Ito		APPROVED BY & DATE Yo. Ito		MOLEX INCORPORATED		
A		0		0		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.		MATERIAL NO. SEE CHART		DRAWING NO. SD-51238-007		SHEET NO. 2 OF 4		SIZE B		

DWG. NO.
SD-51238-007

F

D

V

C

B

DO NOT SCALE DRAWING

8

7

6

5

4

3

2

1

F

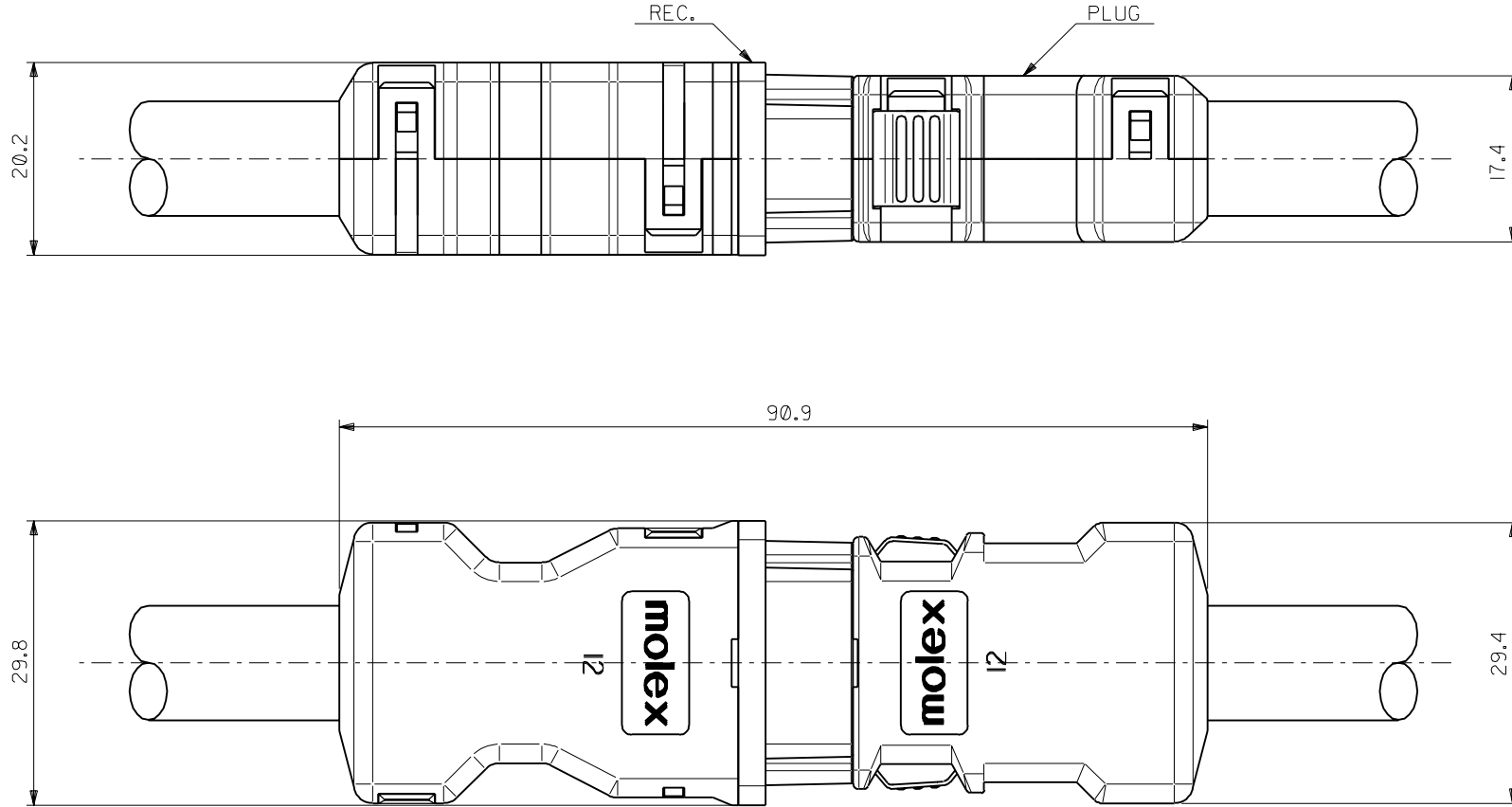
E

D

C

B

A



嵌合図 (中継タイプ)

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

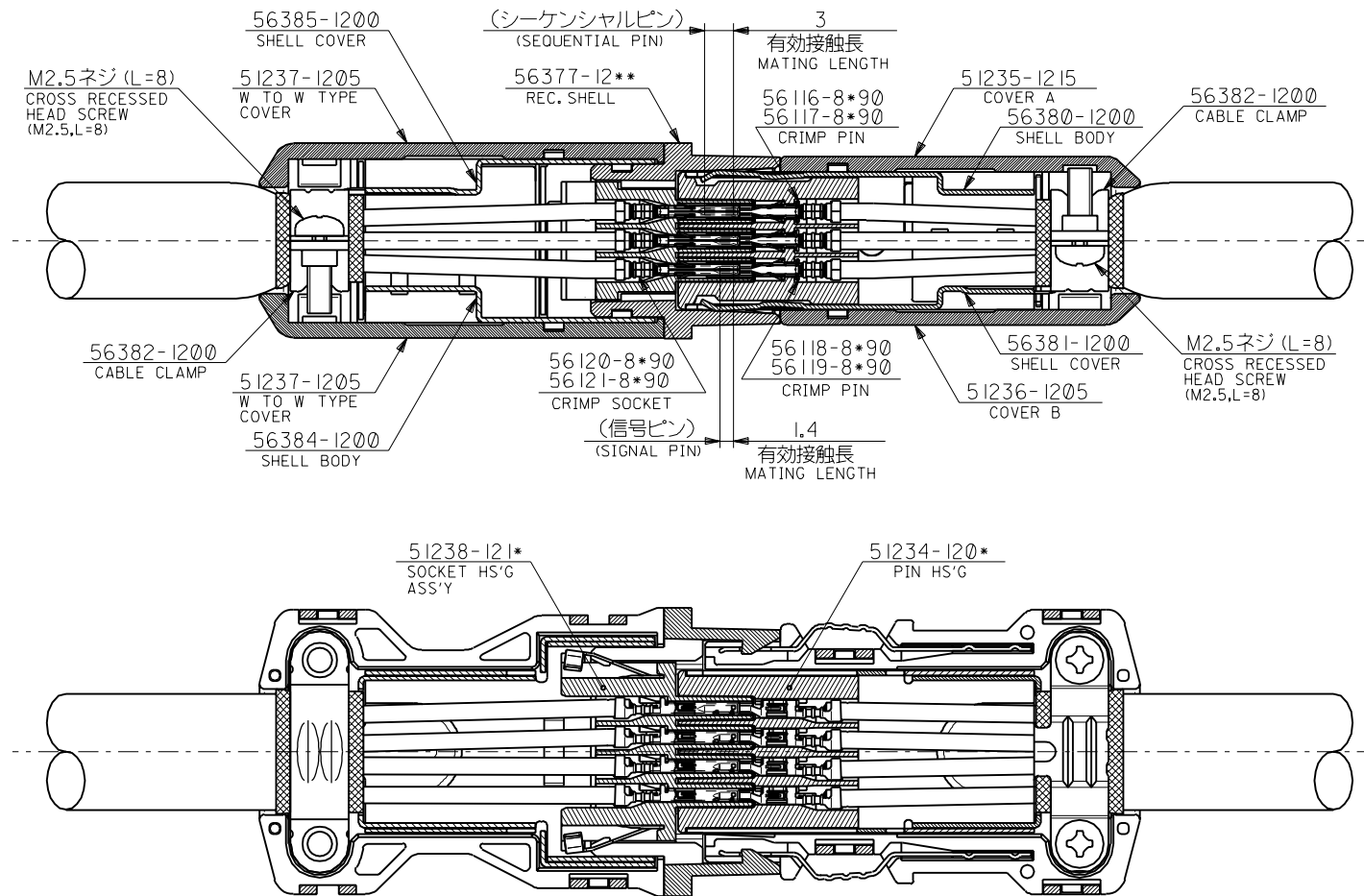
(WIRE TO WIRE TYPE)														DIMENSIONS:			SHT	REV								
EC NO. DRWN: CHK: APPR:		EC NO. DRWN: CHK: APPR:		EC NO. DRWN: CHK: APPR:		REVISED '01/10/04 EC NO. J2002-0786 DRWN: S.AKIYAMA CHK: J.MIYAZAWA APPR: YO. ITO	RELEASED '01/02/16 EC NO. JD2001-1040 DRWN: S.AKIYAMA CHK: J.MIYAZAWA APPR: H.IKESUGI	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. Akizawa / 01/25		TITLE: COMPACT ROBOT CONN. (CRC) REC. SOCKET HS'G ASS'Y									
									30 UNDER 未満		±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		CAD FILENAME 51238007.S03		MATERIAL NO. SEE CHART		DRAWING NO. SD-51238-007		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	

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

SIZE
B

EN-02J(097) MXJ-54

51238007.S03



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 ONLY	REVISE ON CAD ONLY
			A	0	REV	FINISH 仕上げ — # —	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			
						WIRE RANGE 適用電線範囲 — # —	10 OVER 30 UNDER 以上 未満 ±0.25	CHECKED BY & DATE S. Akiyama / Y. Ito	MOLEX INCORPORATED			
						INS. RANGE 被覆外径 — # —	30 OVER 以上 ±0.3	APPROVED BY & DATE S. Akiyama	CAD FILE NAME 51238007.S04	MATERIAL NO. SEE CHART	DRAWING NO. SD-51238-007	SHEET NO. 4 OF 4
								THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.				SIZE B