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Part Number: 0512383011
Status: Active
Description: CRC™ Shielded Rectangular I/O Receptacle Housing for Female Terminal, Signal, 30 Circuits, Polarization Type Standard

Documents:

Drawing (PDF)
Product Specification PS-51238-010 (PDF)
Product Specification PS-51238-018 (PDF)
RoHS Certificate of Compliance (PDF)



Series image - Reference only

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)	30
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	6
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, 2.5A, 2A, 3A
Shielded	No
Voltage - Maximum	250V AC (RMS)/DC

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Not Halogen-Free

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
51234-300X plug housing|55836-300X plug assembly set

Use With
56377-300* receptacle shell|56120 and 56121 female terminal

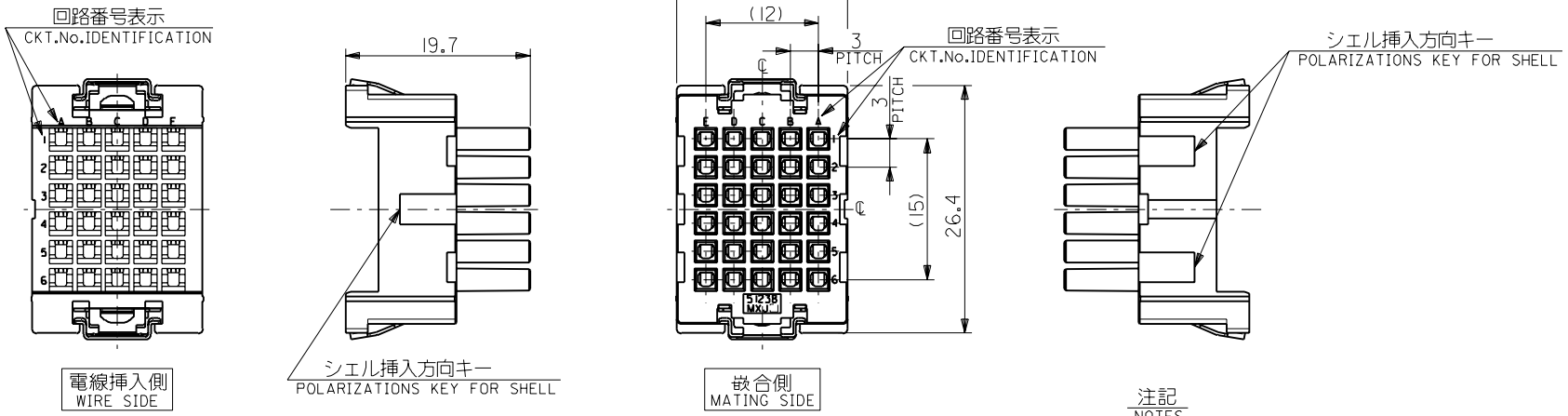
Material Info

Reference - Drawing Numbers

Product Specification	PS-51238-010, PS-51238-018, RPS-51238-001
Sales Drawing	SD-51238-009

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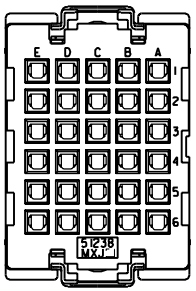
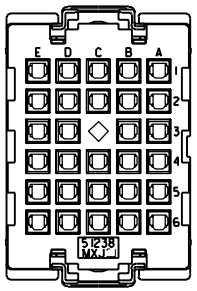
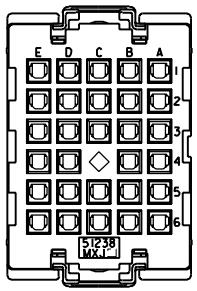
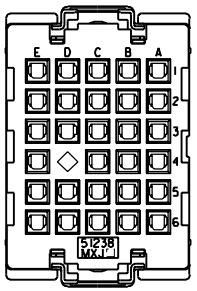
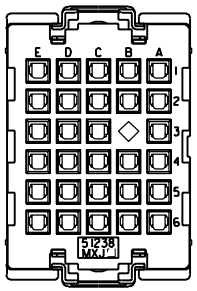
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注記
NOTES

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
   APPLECABLE CRIMP PIN : 56120-8*90 , 56121-8*90
3. 適用リセプタクル　シェル：56377-30**
   APPLECABLE RECEPTACLE SHELL : 56377-30**
4. 嵌合相手：51234-300*
   MEET WITH : 51234-300*

<誤嵌合防止キー（極性）タイプ> <POLARITY KEY TYPE>

51238-3011	51238-3012	51238-3013	51238-3014	51238-3015
				
STANDARD TYPE	A TYPE	B TYPE	C TYPE	D TYPE

POLARITY POSITION (CIRCUIT No.)	POLARITY TYPE	MATERIAL No.	MODEL No.	CIRCUIT
B-3	D	51238-3015	51238-**1*	30
D-4	C	51238-3014		
C-4	B	51238-3013		
C-3	A	51238-3012		
—	STANDARD	51238-3011		

EC NO.	DRWN:	CH'K:	APPR:	DESCRIPTION	REV
EC NO.	DRWN:	CH'K:	APPR:		
EC NO.	DRWN:	CH'K:	APPR:		
EC NO. J2002-0786	DRWN: S.AKIYAMA	CH'K: J.MIYAZAWA	APPR: YO.ITO	REVISED '01/10/04	A
EC NO. JD2001-1040	DRWN: S.AKIYAMA	CH'K: J.MIYAZAWA	APPR: H.IKESUGI	RELEASED '01/02/16	0

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 | THIRD ANGLE PROJECTION | DIMENSIONS: ☐mm/INCH ☐INCH/mm ☒mm ONLY | SHT | REV | REVISE ON CAD ONLY

DRAWN BY & DATE S.Akiyama '01/01/25
CHECKED BY & DATE J.Miyazawa / Y.Ito
APPROVED BY & DATE H.Ikesugi

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

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CAD FILENAME 51238009.S01 | MATERIAL NO. SEE CHART | DRAWING NO. SD-51238-009 | 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

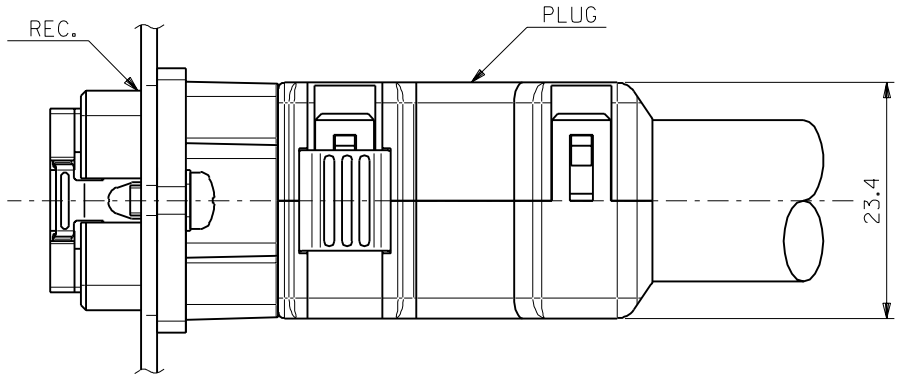
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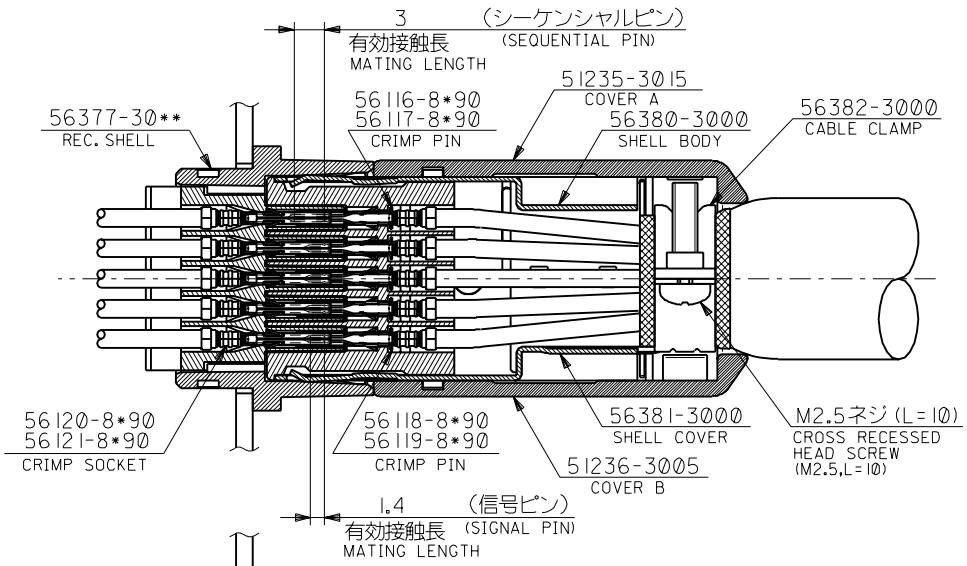
DWG. NO. SD-51238-009

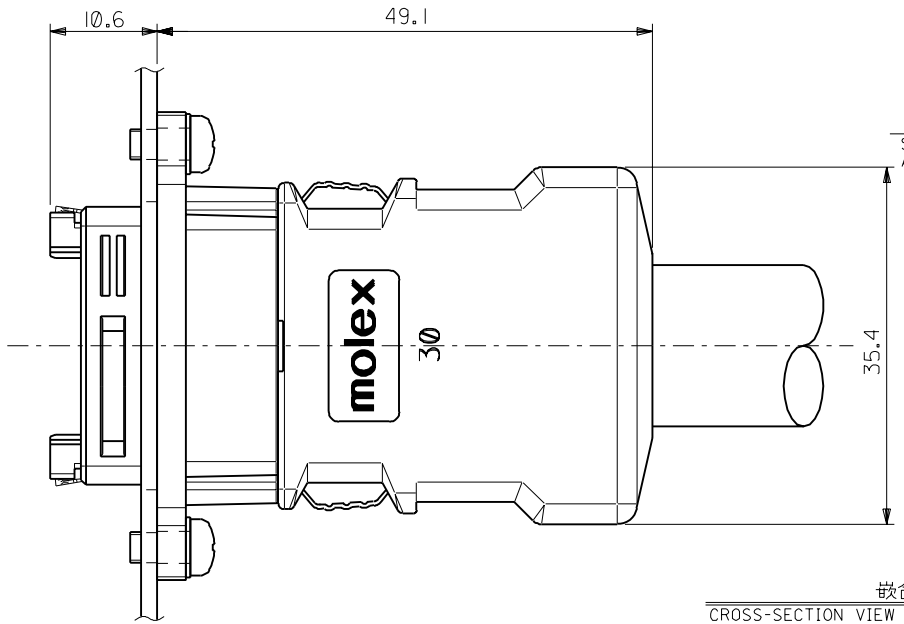
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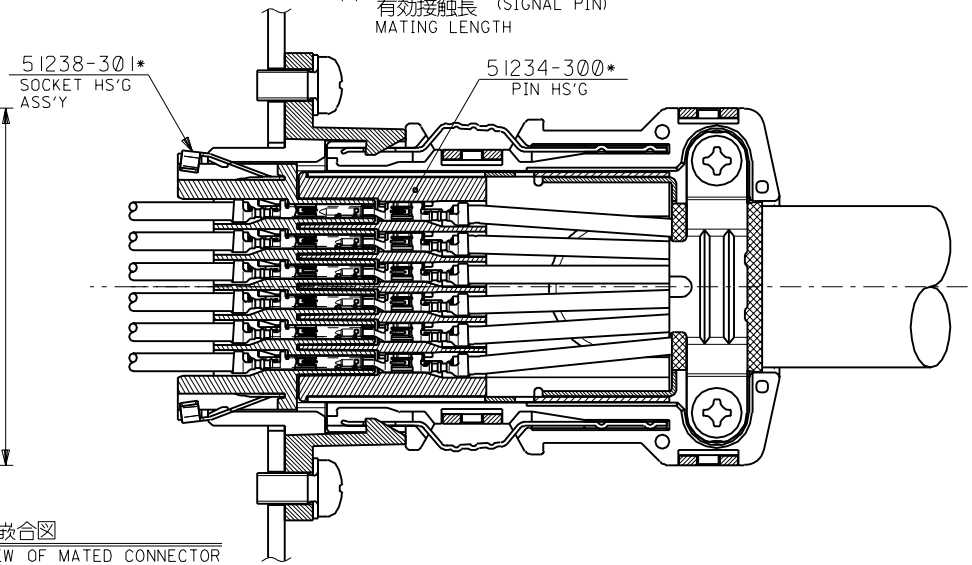
EN-02J(097) MXJ-54

DWG. NO. SD-51238-009









嵌合図
CROSS-SECTION VIEW OF MATED CONNECTOR

EC NO.			REVISED '01/10/04	RELEASED '01/02/16	DESCRIPTION
DRWN:			EC NO. J2002-0786	EC NO. JD2001-1040	
CH'K:			DRWN: S.AKIYAMA	DRWN: S.AKIYAMA	
APPR:			CH'K: J.MIYAZAWA	CH'K: J.MIYAZAWA	
			APPR: YO.ITO	APPR: H.IKESUGI	
			A	0	REV

DO NOT SCALE DRAWING

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 | THIRD ANGLE PROJECTION

DIMENSIONS: ☐mm/INCH ☐INCH/mm ☒mm ONLY | SHT | REV | REVISE ON CAD ONLY

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

CHECKED BY & DATE: J.Miyazawa / Y.Ito

APPROVED BY & DATE: H.Ikesugi

CAD FILENAME: 51238009.S01

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

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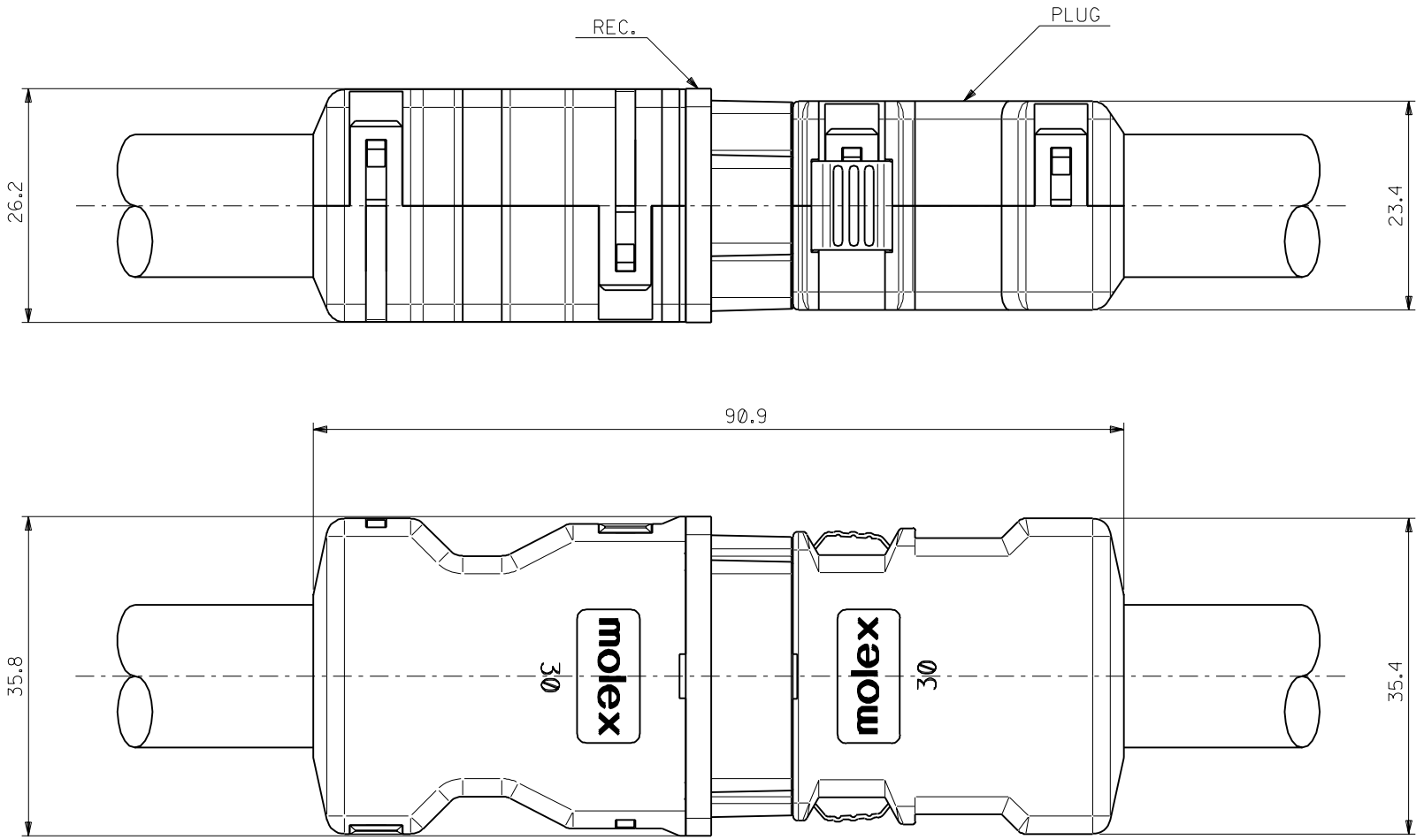
MATERIAL NO.: SEE CHART | DRAWING NO.: SD-51238-009 | SHEET NO.: 2 OF 4

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SIZE B

51238009.S02

EN-02J(097) MXJ-54



嵌合図（中継タイプ）
CROSS-SECTION VIEW OF MATED CONNECTOR
(WIRE TO WIRE TYPE)

DWG. NO. SD-51238-009

DO NOT SCALE DRAWING

REV	DESCRIPTION	EC NO.	DRWN	CH'K	APPR
A	REVISED '01/10/04	J2002-0786	S.AKIYAMA	J.MIYAZAWA	YO.ITO
0	RELEASED '01/02/16	JD2001-1040	S.AKIYAMA	J.MIYAZAWA	H.IKESUGI

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

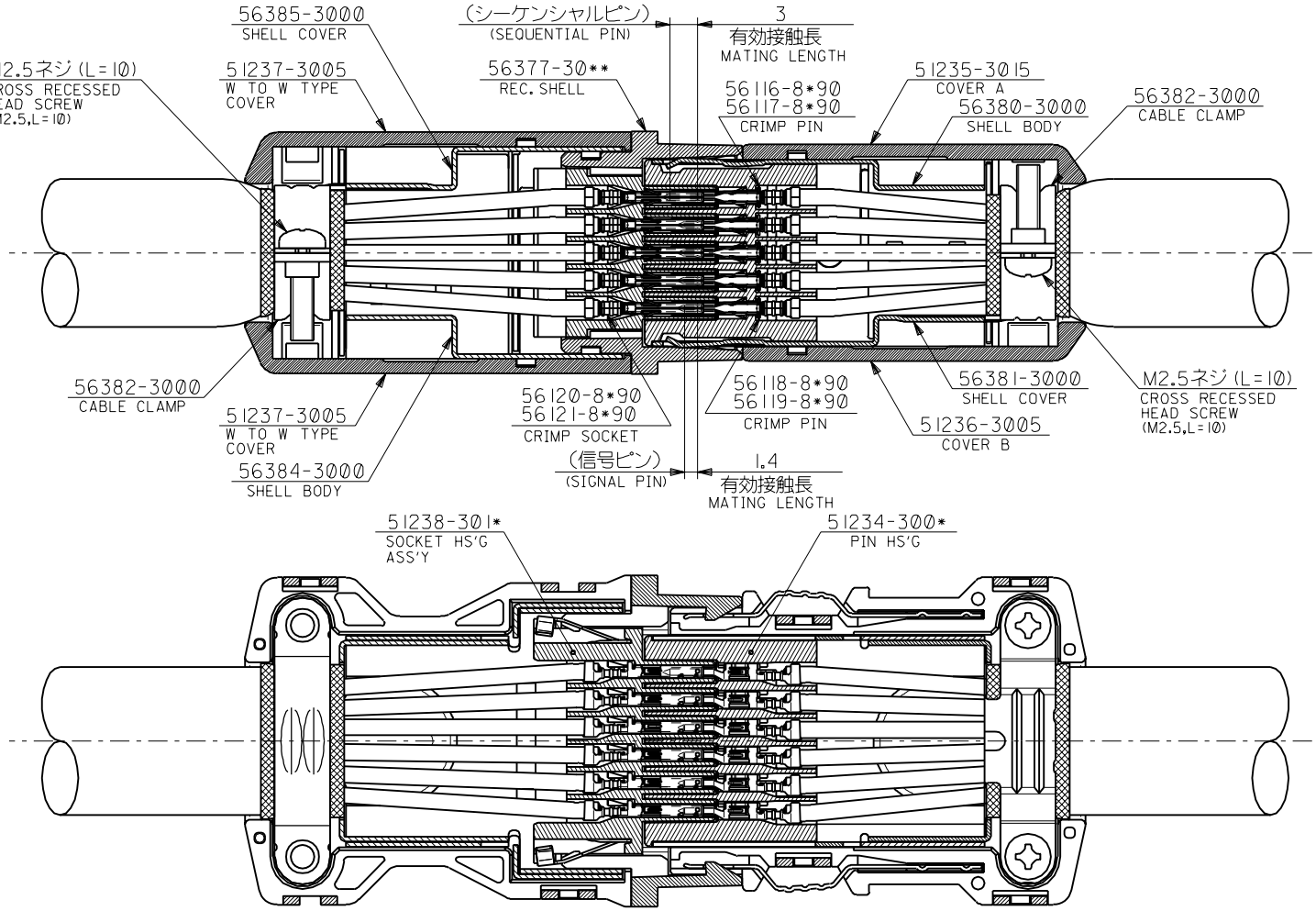
10 UNDER 未満	±0.2
10 OVER 以上 30 UNDER 未満	±0.25
30 OVER 以上	±0.3
ANGLE 角度	±3°

SCALE 2-1
DESIGN UNITS ☒mm ☐INCH
THIRD ANGLE PROJECTION
DIMENSIONS: ☐ mm/INCH ☐ INCH/mm ☒ mm ONLY
SHT REV
REVISE ON CAD ONLY
DRAWN BY & DATE S.Akiyama '01/01/25
CHECKED BY & DATE J.Miyazawa / Y.Ito
APPROVED BY & DATE A.Ikesugi
CAD FILENAME 51238009.S03
TITLE: COMPACT ROBOT CONN. (CRC) REC. SOCKET HS'G ASS'Y
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MATERIAL NO. SEE CHART
DRAWING NO. SD-51238-009
SHEET NO. 3 OF 4
SIZE B

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51238009.S03

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嵌合図 (中継タイプ)
CROSS-SECTION VIEW OF MATED CONNECTOR
(WIRE TO WIRE TYPE)

DO NOT SCALE DRAWING

	EC NO.	DRWN:	CH'K:	APPR:
A	J2002-0786	S.AKIYAMA	J.MIYAZAWA	YO.ITO
0	JD2001-1040	S.AKIYAMA	J.MIYAZAWA	H.IKESUGI

REVISED '01/10/04
RELEASED '01/02/16
DESCRIPTION
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	±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
THIRD ANGLE PROJECTION
DIMENSIONS: ☐mm/INCH ☐INCH/mm ☒mm ONLY
SHT REV
REVISE ON CAD ONLY

DRAWN BY & DATE: S.Akiyama '01/01/25
CHECKED BY & DATE: J.Miyazawa / Y.Ito
APPROVED BY & DATE: H.Ikesugi

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

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CAD FILENAME: 51238009.S04
MATERIAL NO.: SEE CHART
DRAWING NO.: SD-51238-009
SHEET NO.: 4 OF 4
SIZE: B

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DWG. NO. SD-51238-009

51238009.S04

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