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Part Number: [0512331211](#)
Status: **Active**
Description: CRC™ Shielded Rectangular I/O Receptacle Housing for Male 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	51233
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)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	N/A
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	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
[51233Series](#)

Mates With
51239-120X plug housing|54332-120X plug assembly set

Use With
56377-120* receptacle shell|56116, 56117, 56118 and 56119 male terminal

Material Info

Reference - Drawing Numbers

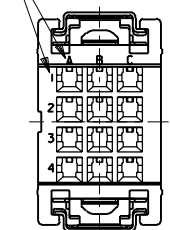
Product Specification
Sales Drawing

PS-51238-010, PS-51238-018, RPS-51238-001
SD-51233-007

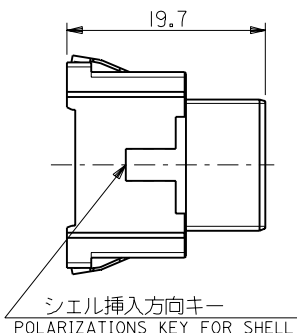
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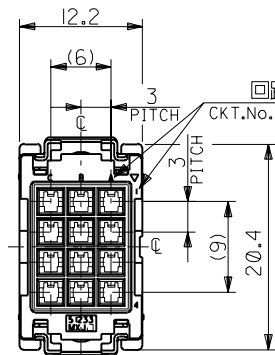
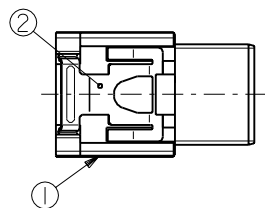
回路番号表示
CKT.No. IDENTIFICATION



電線挿入側
WIRE SIDE



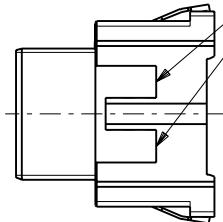
シエル挿入方向キー
POLARIZATIONS KEY FOR SHELL



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：56116-8*90 , 56117-8*90
56118-8*90 , 56119-8*90

APPLICABLE CRIMP PIN : 56116-8*90 , 56117-8*90
56118-8*90 , 56119-8*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：51239-120*
MEET WITH : 51239-120*

<誤嵌合防止キー（極性）タイプ> <POLARITY KEY TYPE>

51233-1211	51233-1212	51233-1213	51233-1214	51233-1215
STANDARD TYPE	A TYPE	B TYPE	C TYPE	D TYPE

A-2	D	51233-1215	51233-**1*	12
C-3	C	51233-1214		
B-3	B	51233-1213		
B-2	A	51233-1212		
—#—	STANDARD	51233-1211		
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: 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. PIN 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 51233007.S01	MATERIAL NO. SEE CHART	DRAWING NO. SD-51233-007	SHEET NO. 1 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-51233-007

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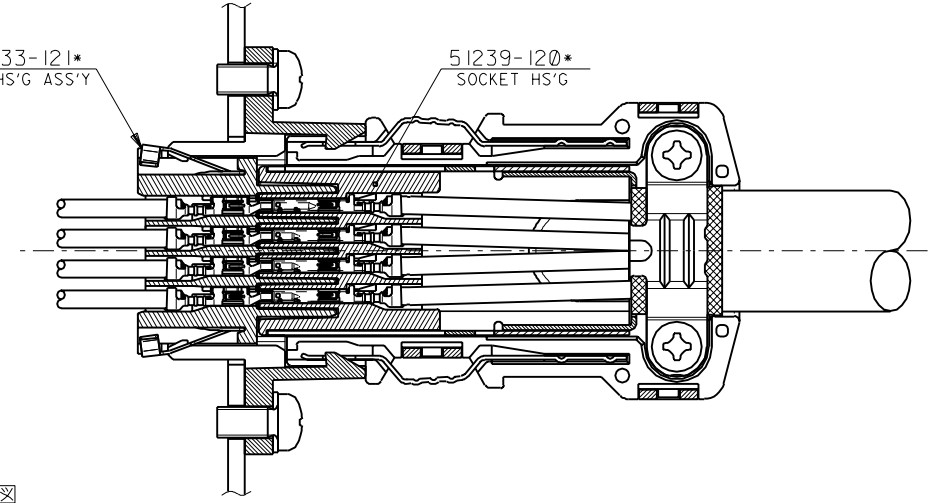
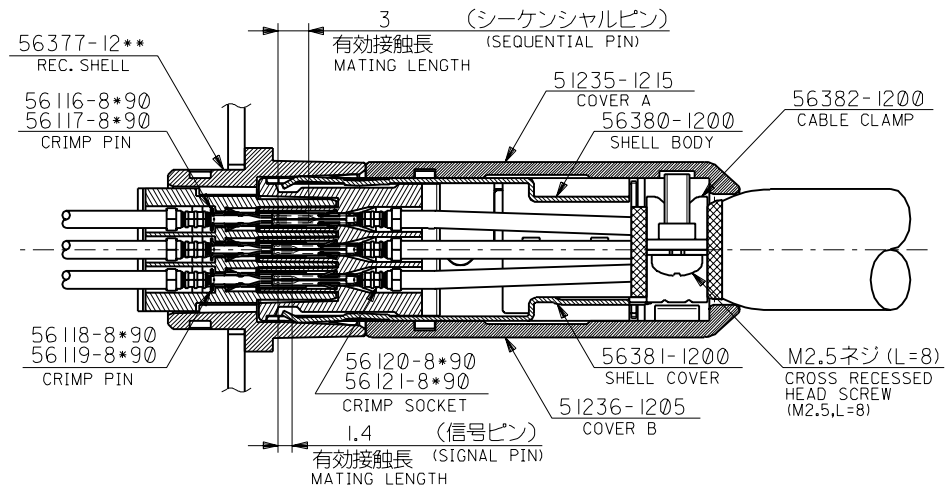
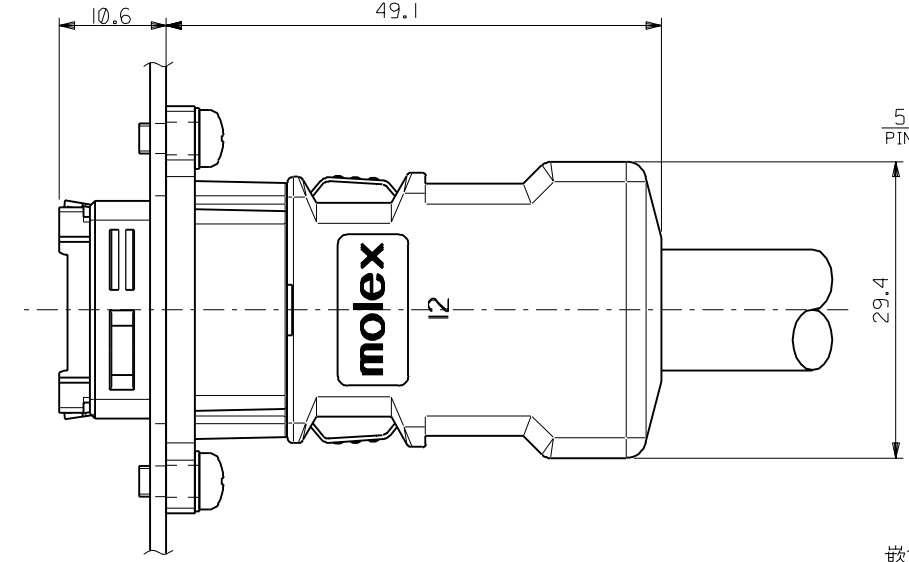
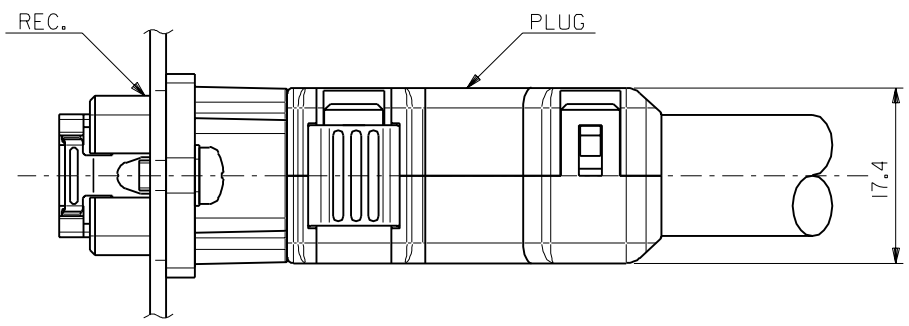
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DO NOT SCALE DRAWING



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 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		#		FINISH 仕上り			10 UNDER 未満	±0.2	DRAWN BY & DATE S. Akiyama 01/01/25		TITLE: COMPACT ROBOT CONN. (CRC) REC. PIN 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 S. Akiyama		molex MOLEX INCORPORATED		
						INS. RANGE 被覆外径		ANGLE 角度	±3°	CAD FILE NAME 51233007.S02		MATERIAL NO. SEE CHART	DRAWING NO. SD-51233-007	SHEET NO. 2 OF 4	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.															SIZE B

51233007.S02

DWG. NO.
SD-51233-007

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DO NOT SCALE DRAWING

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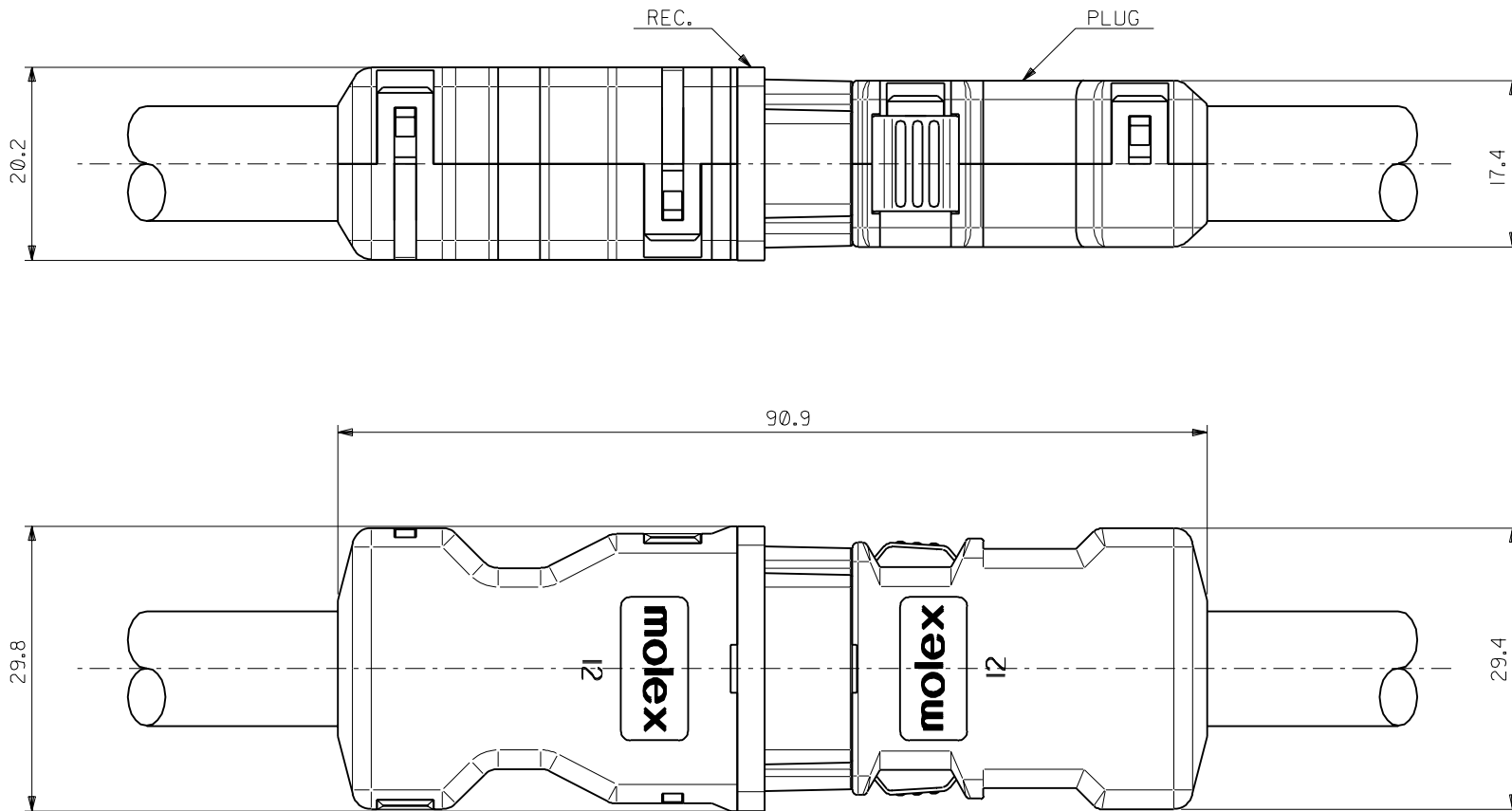
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嵌合図 (中継タイプ)
CROSS-SECTION VIEW OF MATED CONNECTOR
(WIRE TO WIRE TYPE)

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 FINISH 仕上り —#— WIRE RANGE 適用電線範囲 —#— INS. RANGE 被覆外径 —#—			GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差			SCALE 2-1	DESIGN UNITS ☒ mm ☐ INCH		THIRD ANGLE PROJECTION 		☐ mm INCH ☐ mm ☒ mm ONLY		REVISE ON CAD ONLY	
																10 UNDER 未満			±0.2	DRAWN BY & DATE S. Akiyama 01/01/25		TITLE: COMPACT ROBOT CONN. (CRC) REC. PIN 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					
																			ANGLE 角度			±3°	CAD FILENAME 51233007.S03		MATERIAL NO. SEE CHART		DRAWING NO. SD-51233-007		SHEET NO. 3 OF 4	
						A			0			REV									THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.						SIZE B			

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EN-02J(097) MXJ-54

51233007.S03

DWG. NO.
SD-51233-007

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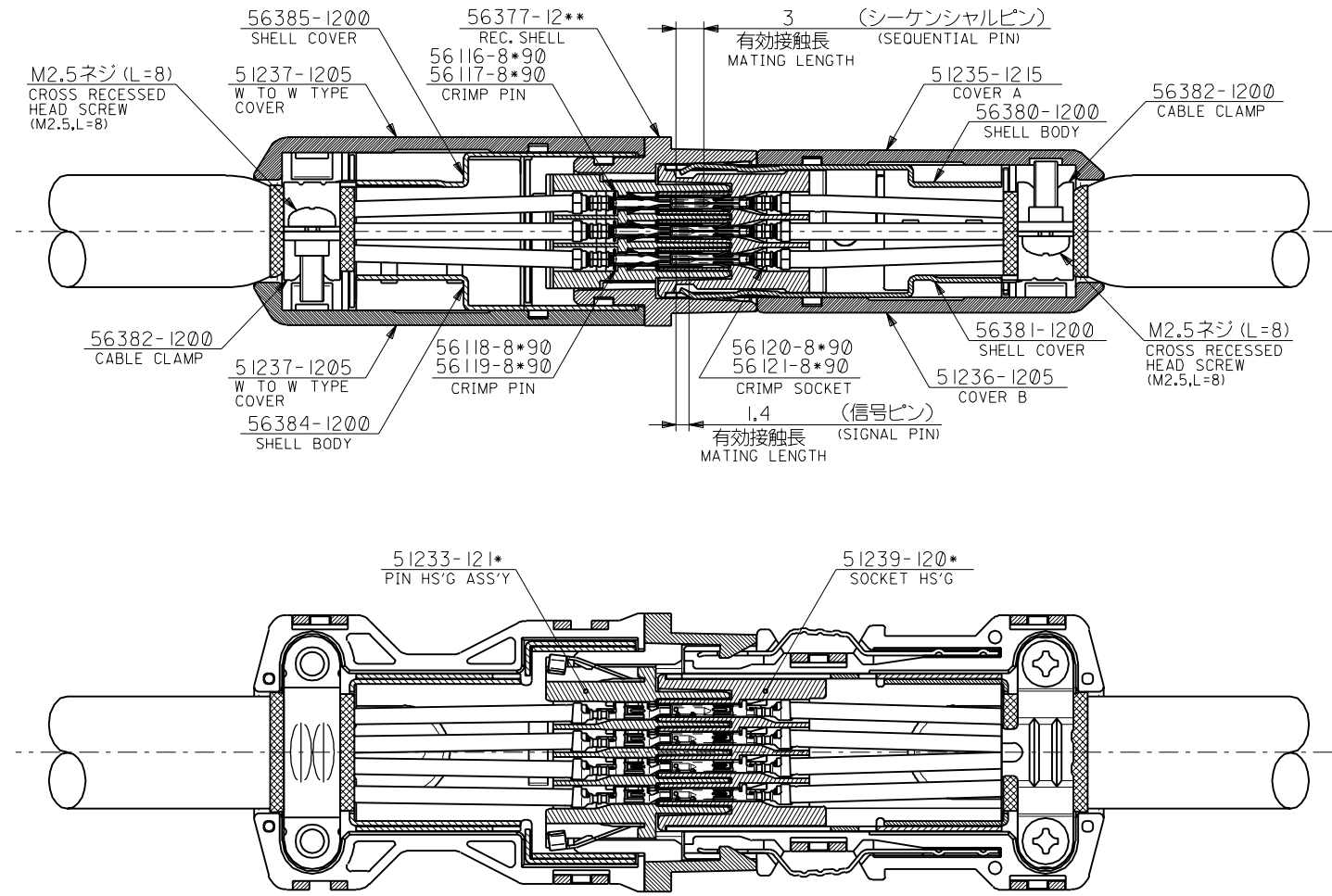
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DO NOT SCALE DRAWING



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: Y. 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						FINISH 仕上り	#		10 UNDER 未満	±0.2	DRAWN BY & DATE S. Akiyama 01/01/25		TITLE: COMPACT ROBOT CONN. (CRC) REC. PIN 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. Ikesugi		MOLEX INCORPORATED							
								WIRE RANGE 適用電線範囲	#		ANGLE 角度	±3°	CAD FILE NAME 51233007.S04		MATERIAL NO. SEE CHART		DRAWING NO. SD-51233-007		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	