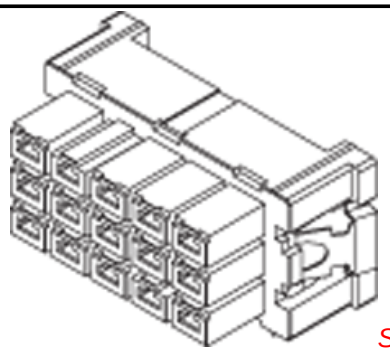
This document was generated on 04/12/2010

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Part Number: 0513001511

Status: Active

Description: CRC™ Shielded Rectangular I/O Receptacle Socket Housing for Female Terminal, Power, 15 Circuits, Polarization Type A



Series image - Reference only

Documents:

Drawing (PDF)

Product Specification PS-51300-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
TUV	R72081037
UL	E29179

General

Product Family	I/O Connectors
Series	51300
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)	15
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Gender	Female
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)	0.197 In
Pitch - Mating Interface (mm)	5.00 mm
Pitch - Term. Interface (in)	0.197 In
Pitch - Term. Interface (mm)	5.00 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	15A
Voltage - Maximum	250V AC (RMS)/DC

Material Info

EU RoHS
ELV and RoHS Compliant

China RoHS

REACH SVHC
Contains SVHC: No

Halogen-Free Status
Not Reviewed

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
51300Series

Mates With
55891-151X plug housing, 55887 plug assembly set

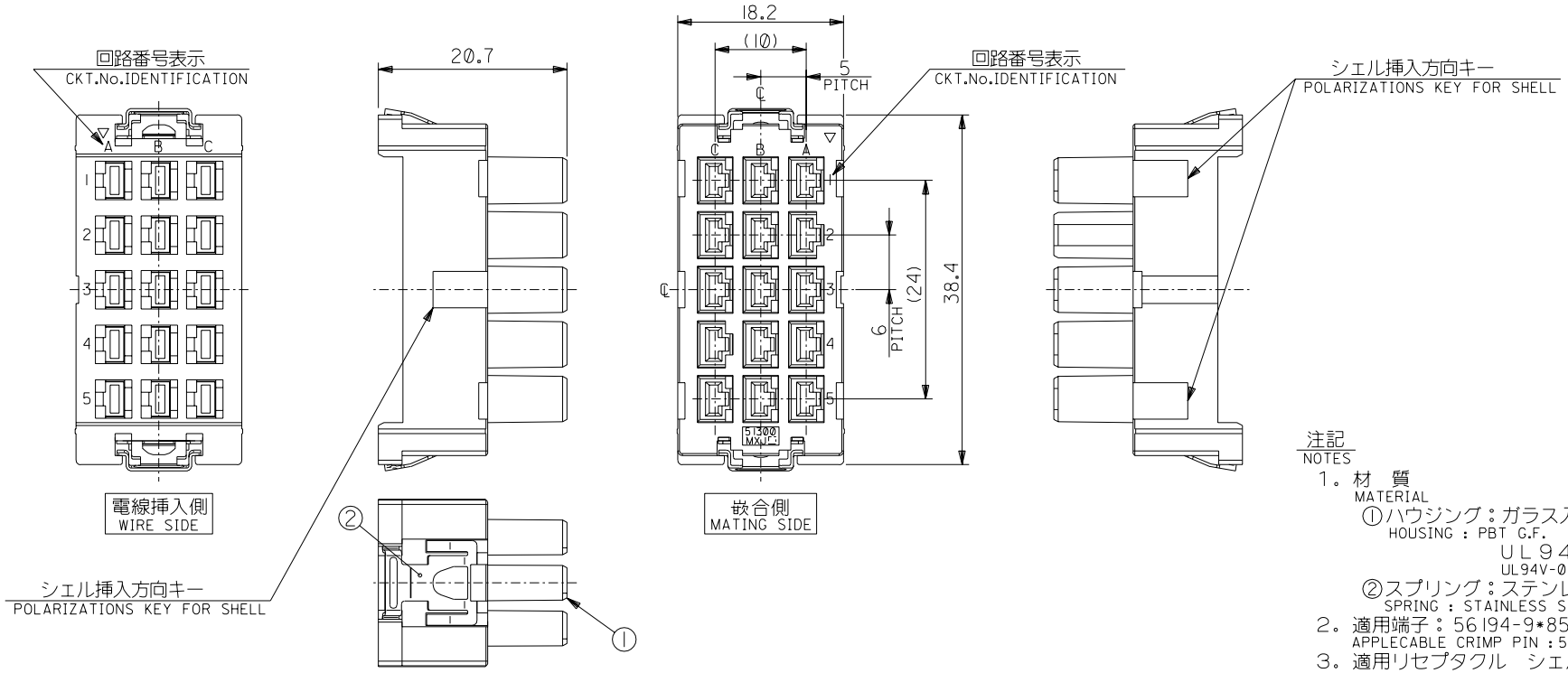
Use With
56377-50** receptacle shell|56194-9*85 female terminal

Reference - Drawing Numbers

Product Specification	PS-51300-001
Sales Drawing	SD-51300-001

This document was generated on 04/12/2010

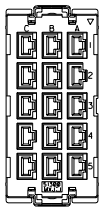
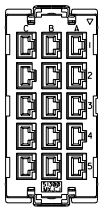
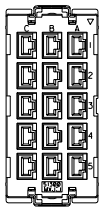
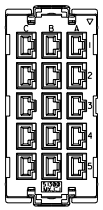
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



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：56194-9*85
APPLECABLE CRIMP PIN : 56194-9*85
3. 適用リセプタクル　シェル：56377-50**
APPLECABLE RECEPTACLE SHELL : 56377-50**
4. 嵌合相手：55891-151*
MEET WITH : 55891-151*

<誤嵌合防止キー（極性）タイプ> <POLARITY KEY TYPE>

51300-1512	51300-1512	51300-1513	51300-1514
			
A TYPE	B TYPE	C TYPE	D TYPE

POLARITY TYPE	MATERIAL NO.	MODEL NO.	CIRCUIT
D	51300-1514	51300-151*	15
C	51300-1513		
B	51300-1512		
A	51300-1511		

DO NOT SCALE DRAWING

EC NO.	DRWN:	CH'K:	APPR:	DESCRIPTION	REV
EC NO. J2003-3272	DRWN: S.AKIYAMA	CH'K: J.MIYAZAWA	APPR: YO.ITO	RELEASED '03/06/27	Ø

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 | 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 '03/02/28
CHECKED BY & DATE: J.Miyazawa '03/03/04
APPROVED BY & DATE: Y.Ito '03/03/04
CAD FILENAME: SD-51300-001.S01

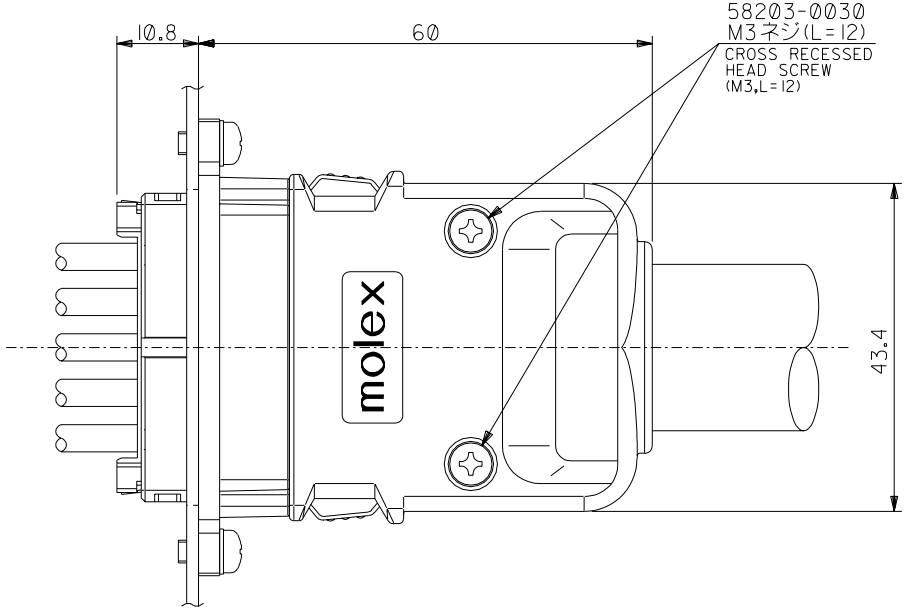
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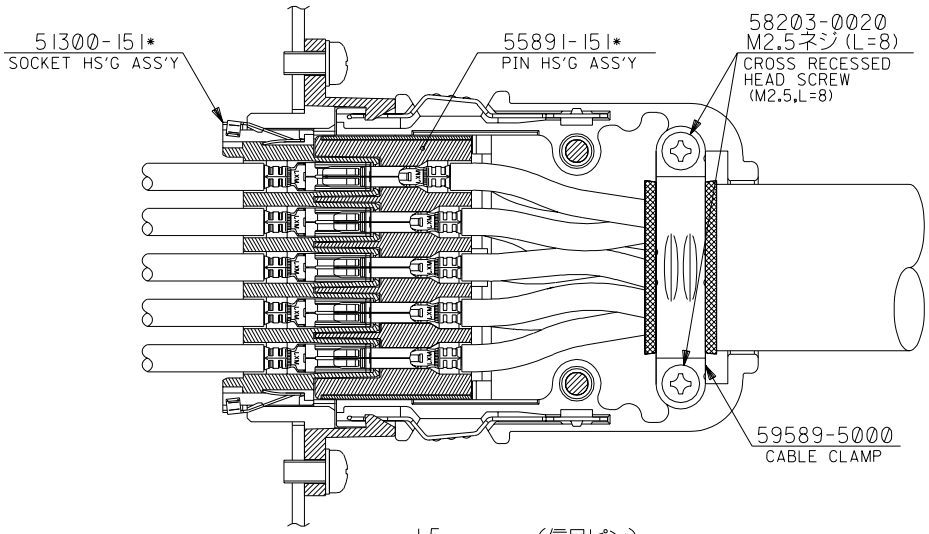
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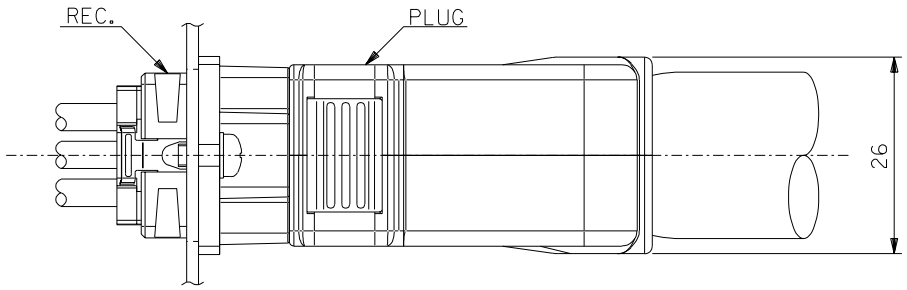
MATERIAL NO.: SEE CHART
DRAWING NO.: SD-51300-001
SHEET NO.: 1 OF 4

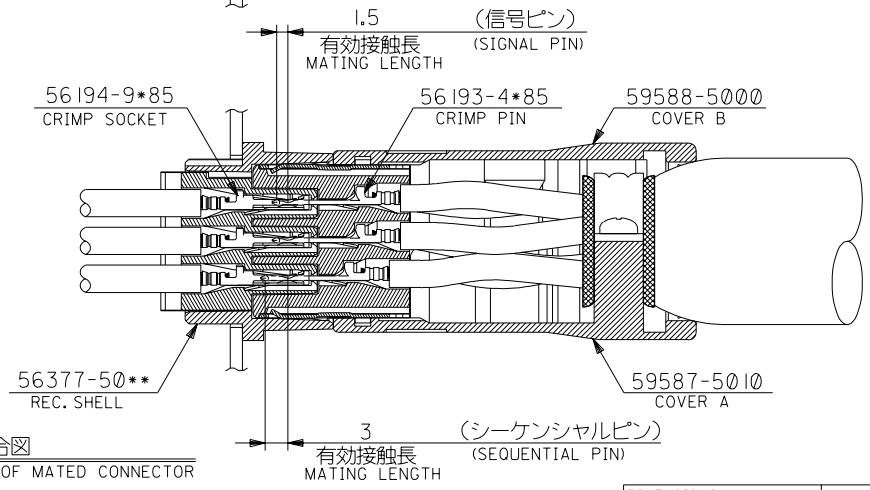
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SIZE B









嵌合図
CROSS-SECTION VIEW OF MATED CONNECTOR

DWG. NO. SD-51300-001

DO NOT SCALE DRAWING

	EC NO.	DRWN:	CH'K:	APPR:
	EC NO.	DRWN:	CH'K:	APPR:
	EC NO.	DRWN:	CH'K:	APPR:
	EC NO.	DRWN:	CH'K:	APPR:
DESCRIPTION	RELEASED '03/06/27	EC NO. J2003-3272	DRWN: S.AKIYAMA	CH'K: J.MIYAZAWA	APPR: YO.ITO
REV	Ø			

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 ~ | 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 '03/02/28

CHECKED BY & DATE: J. Miyazawa '03/03/04

APPROVED BY & DATE: Y. Ito '03/03/04

CAD FILENAME: SD-51300-001.S02

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

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MATERIAL NO.: SEE CHART

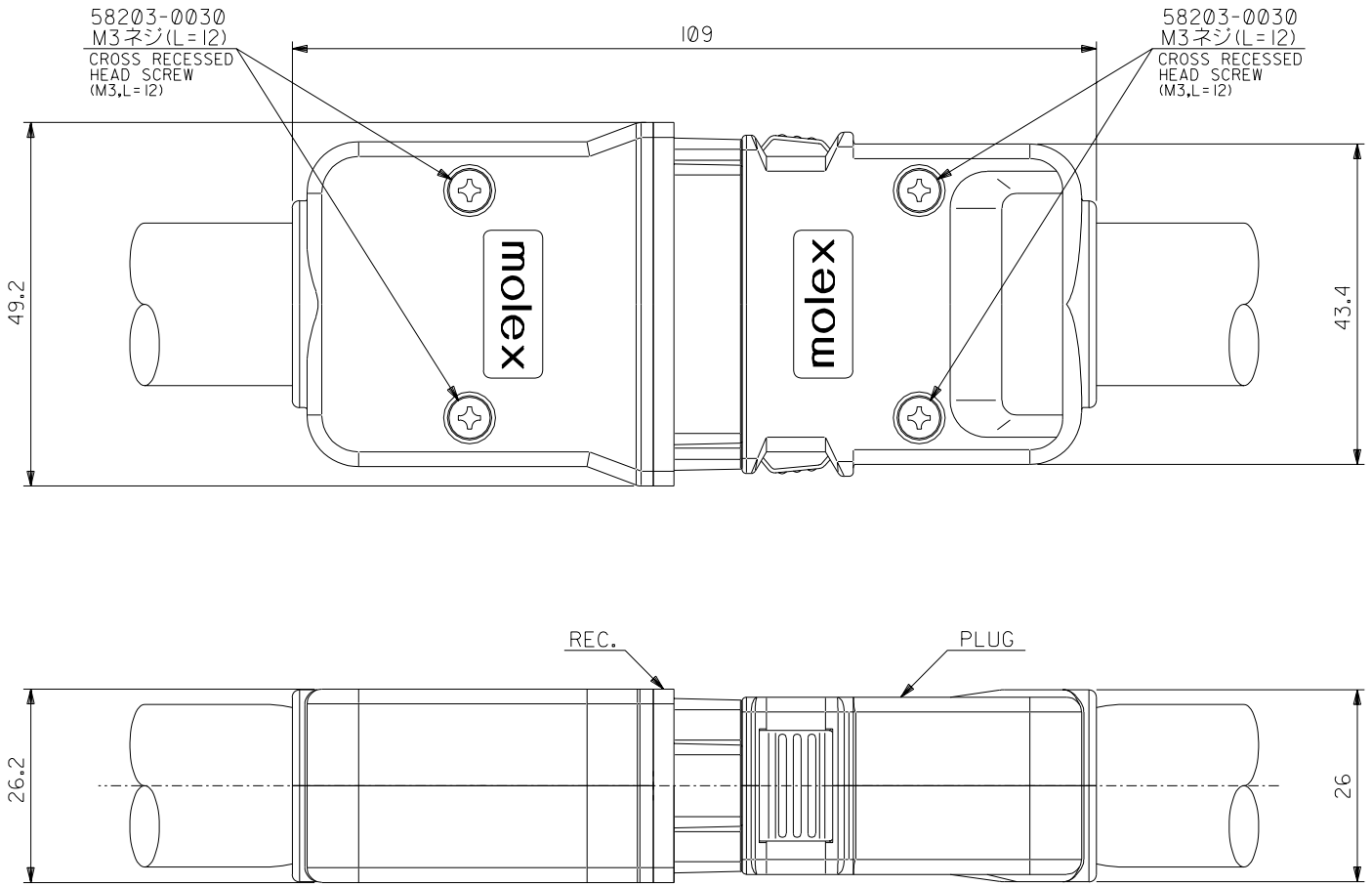
DRAWING NO.: SD-51300-001

SHEET NO.: 2 OF 4

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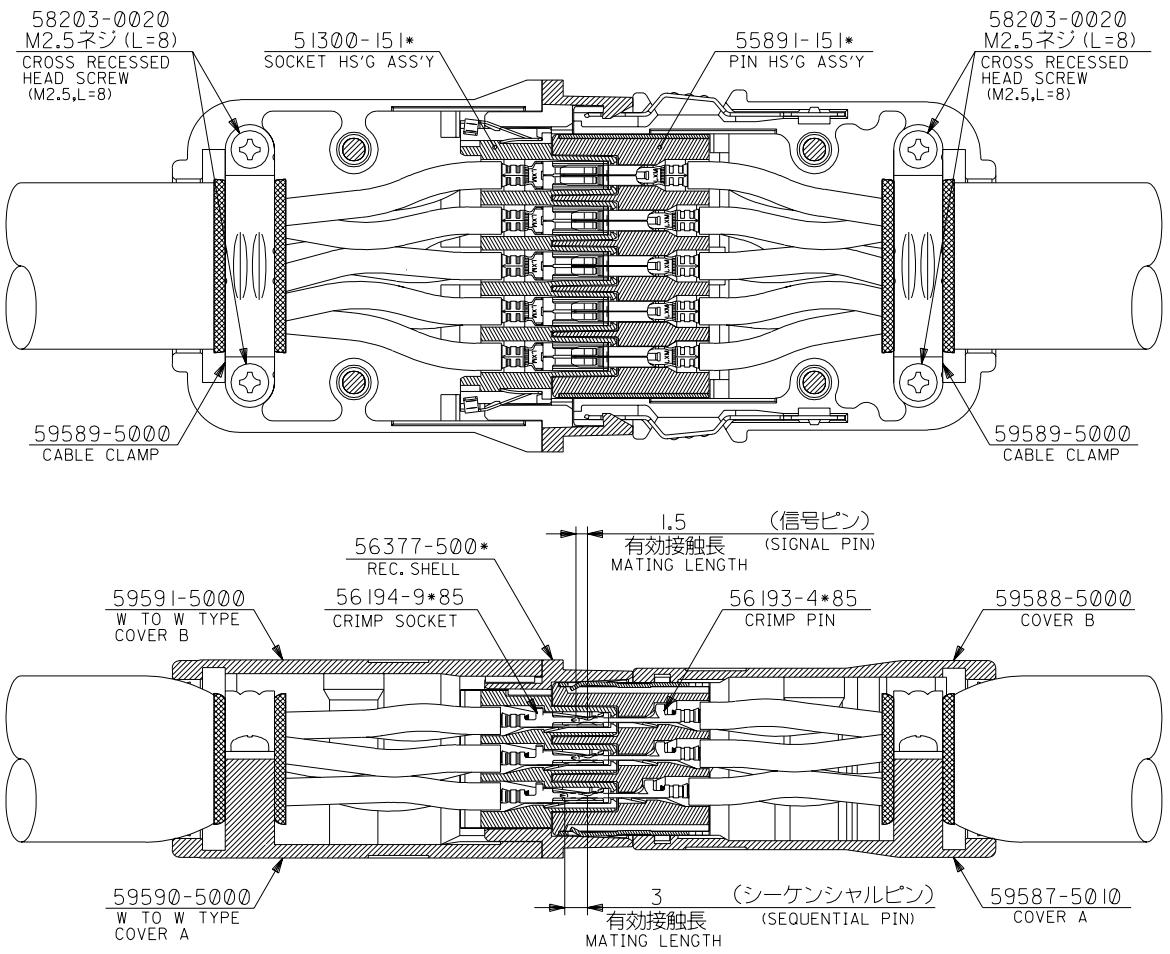
SIZE B

DWG. NO. SD-51300-0011



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:	EC NO. DRWN: CH'K: APPR:	EC NO. DRWN: CH'K: APPR:	EC NO. DRWN: CH'K: APPR:	RELEASED '03/06/27 EC NO. J2003-3272 DRWN: S.AKIYAMA CH'K: J.MIYAZAWA APPR: YO.ITO	DESCRIPTION	MATERIAL 材料: 注記参照 SEE NOTES	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差		SCALE	DESIGN UNITS ☒mm ☐INCH	THIRD ANGLE PROJECTION	DIMENSIONS: ☐mm/INCH ☐INCH/mm ☒mm ONLY	SHT / REV
							FINISH 仕上げ: —	10 UNDER 未満	±0.2	DRAWN BY & DATE	S. Akiyama '03/02/28		REVISE ON CAD ONLY	
							WIRE RANGE 適用電線範囲: —	10 OVER 以上 30 UNDER 未満	±0.25	CHECKED BY & DATE	J. Miyazawa '03/03/04	TITLE: COMPACT ROBOT CONN. (CRC) POWER REC. SOCKET HS'G ASS'Y		
								30 OVER 以上	±0.3	APPROVED BY & DATE	Y. Ito '03/03/04	molex MOLEX INCORPORATED		
								ANGLE 角度	±3°	CAD FILENAME	SD-51300-001.S03	MATERIAL NO. SEE CHART	DRAWING NO. SD-51300-001	SHEET NO. 3 OF 4
					⊘	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



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:

EC NO. DRWN: CH'K: APPR:

EC NO. DRWN: CH'K: APPR:

EC NO. DRWN: CH'K: APPR:

RELEASED '03/06/27
EC NO. J2003-3272
DRWN: S.AKIYAMA
CH'K: J.MIYAZAWA
APPR: YO.ITO

DESCRIPTION

REV Ø

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 | DESIGN UNITS ☒mm ☐INCH | THIRD ANGLE PROJECTION

DRAWN BY & DATE: S. Akiyama '03/02/28

CHECKED BY & DATE: J. Miyazawa '03/03/04

APPROVED BY & DATE: Y. Ito '03/03/04

CAD FILENAME: SD-51300-001.S04

DIMENSIONS: ☐mm/INCH ☐INCH/mm ☒mm ONLY

SHT | REV

REVISE ON CAD ONLY

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

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MATERIAL NO.: SEE CHART

DRAWING NO.: SD-51300-001

SHEET NO.: 4 OF 4

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