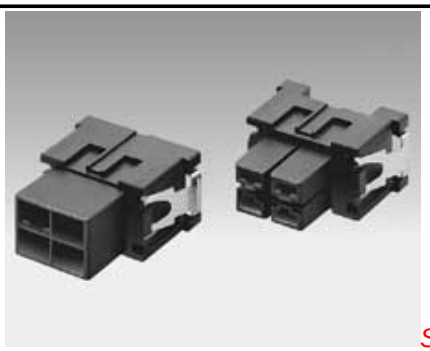
This document was generated on 04/12/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0513000412

Status: Active

Description: CRC™ Shielded Rectangular I/O Receptacle Housing for Female Terminal, Power, 4 Circuits, Polarization Type B, Polarization Position A-2



Series image - Reference only

Documents:

Drawing (PDF)
Product Specification PS-51300-004 (PDF)
Product Specification PS-51300-005 (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)	4
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	2
Orientation	Vertical
PCB Locator	No
Packaging Type	Tray
Panel Mount	Front, Rear
Pitch - Mating Interface (in)	0.189 In
Pitch - Mating Interface (mm)	4.80 mm
Pitch - Term. Interface (in)	0.189 In
Pitch - Term. Interface (mm)	4.80 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
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
51300Series

Mates With
55887 plug assembly set, 55891 plug housing

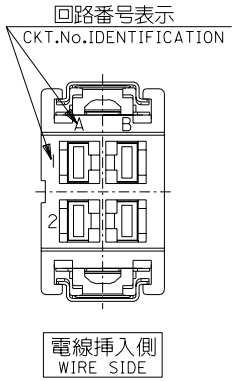
Use With
56377-120* receptacle shell, 56194 female terminal

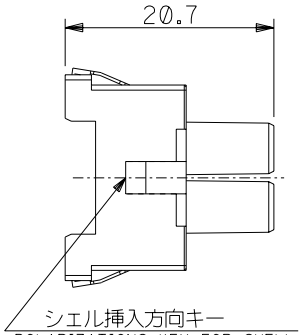
Reference - Drawing Numbers

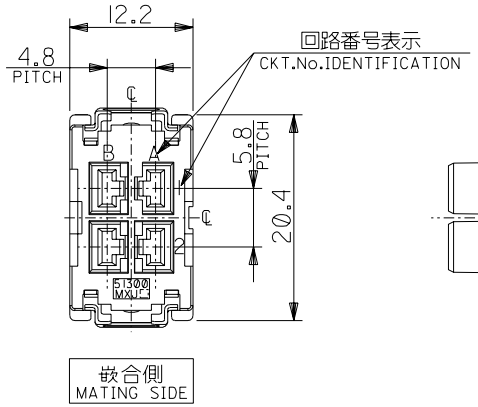
Product Specification	PS-51300-004, PS-51300-005
Sales Drawing	SD-51300-003

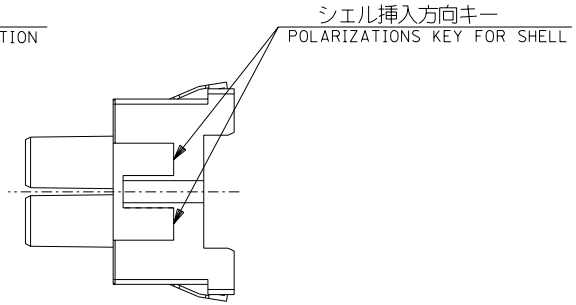
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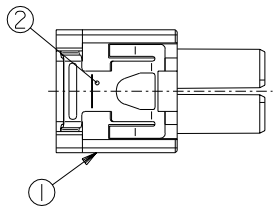
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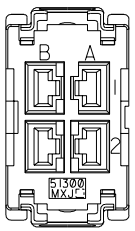
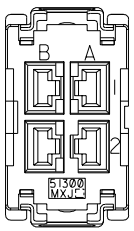
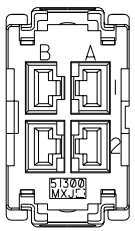
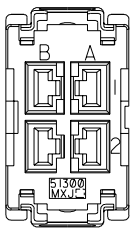




注記
NOTES

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：　56194-9*85
   APPLECABLE CRIMP SOCKET : 56194-9*85
3. 適用リセプタクル　シェル：56377-12**
   APPLECABLE RECEPTACLE SHELL : 56377-12**
4. 嵌合相手：55891-040*
   MEET WITH : 55891-040*

<誤嵌合防止キー（極性）タイプ>
<POLARITY KEY TYPE>

51300-0411	51300-0412	51300-0413	51300-0414
			
A TYPE (CKT No. A-1)	B TYPE (CKT No. A-2)	C TYPE (CKT No. B-1)	D TYPE (CKT No. B-2)

POLARITY TYPE	MATERIAL No.	MODEL No.	CIRCUIT
D	51300-0414	51300-041*	4
C	51300-0413		
B	51300-0412		
A	51300-0411		

DO NOT SCALE DRAWING

	EC NO.	DESCRIPTION	REV
DRWN: CH'K: APPR:			
DRWN: S.AKIYAMA CH'K: J.MIYAZAWA APPR: YO.ITO	J2002-2601 '02/04/15	REVISED	A
DRWN: S.AKIYAMA CH'K: J.MIYAZAWA APPR: YO.ITO	J2002-0854 '01/10/12	RELEASED	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 '01/10/11
CHECKED BY & DATE J.Miyazawa
APPROVED BY & DATE Y.Ito
CAD FILENAME 51300003.S01

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

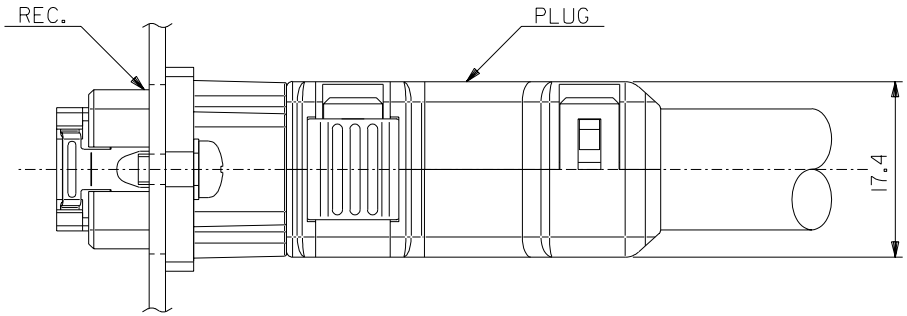
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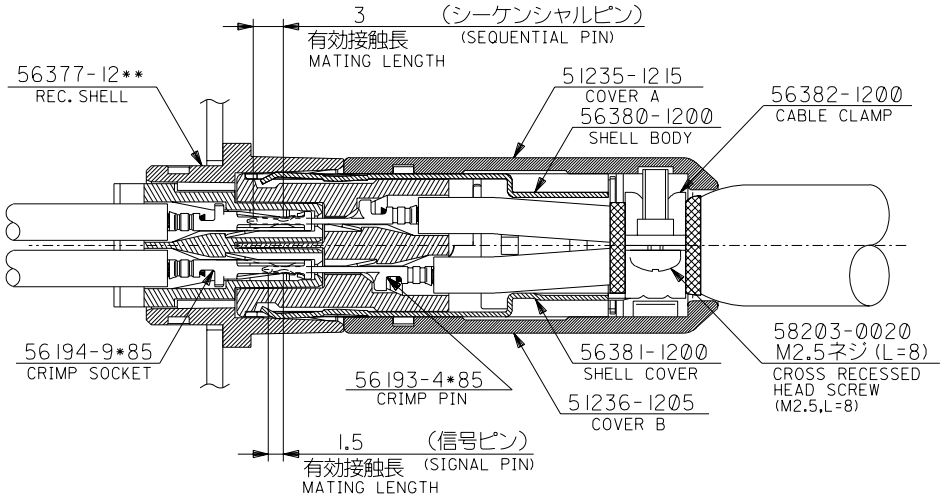
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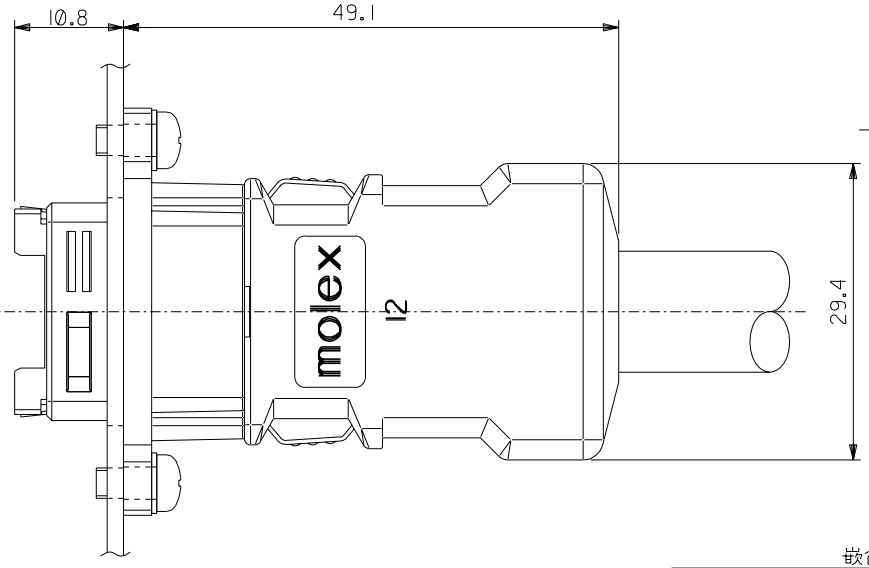
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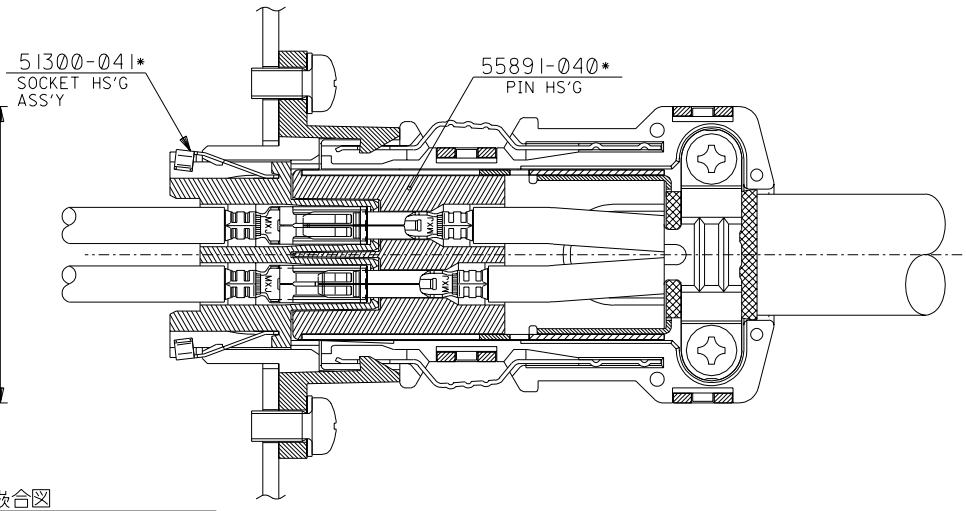
SIZE B

DWG. NO. SD-51300-003









嵌合図
CROSS-SECTION VIEW OF MATED CONNECTOR

EC NO.	DRWN:	CH'K:	APPR:	DESCRIPTION	REV
				REVISED '02/04/15 EC NO. J2002-2601 DRWN: S.AKIYAMA CH'K: J.MIYAZAWA APPR: YO.ITO	A
				RELEASED '01/10/12 EC NO. J2002-0854 DRWN: S.AKIYAMA CH'K: J.MIYAZAWA APPR: YO.ITO	0

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 '01/10/11
CHECKED BY & DATE: J.Miyazawa
APPROVED BY & DATE: Y.Ito

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

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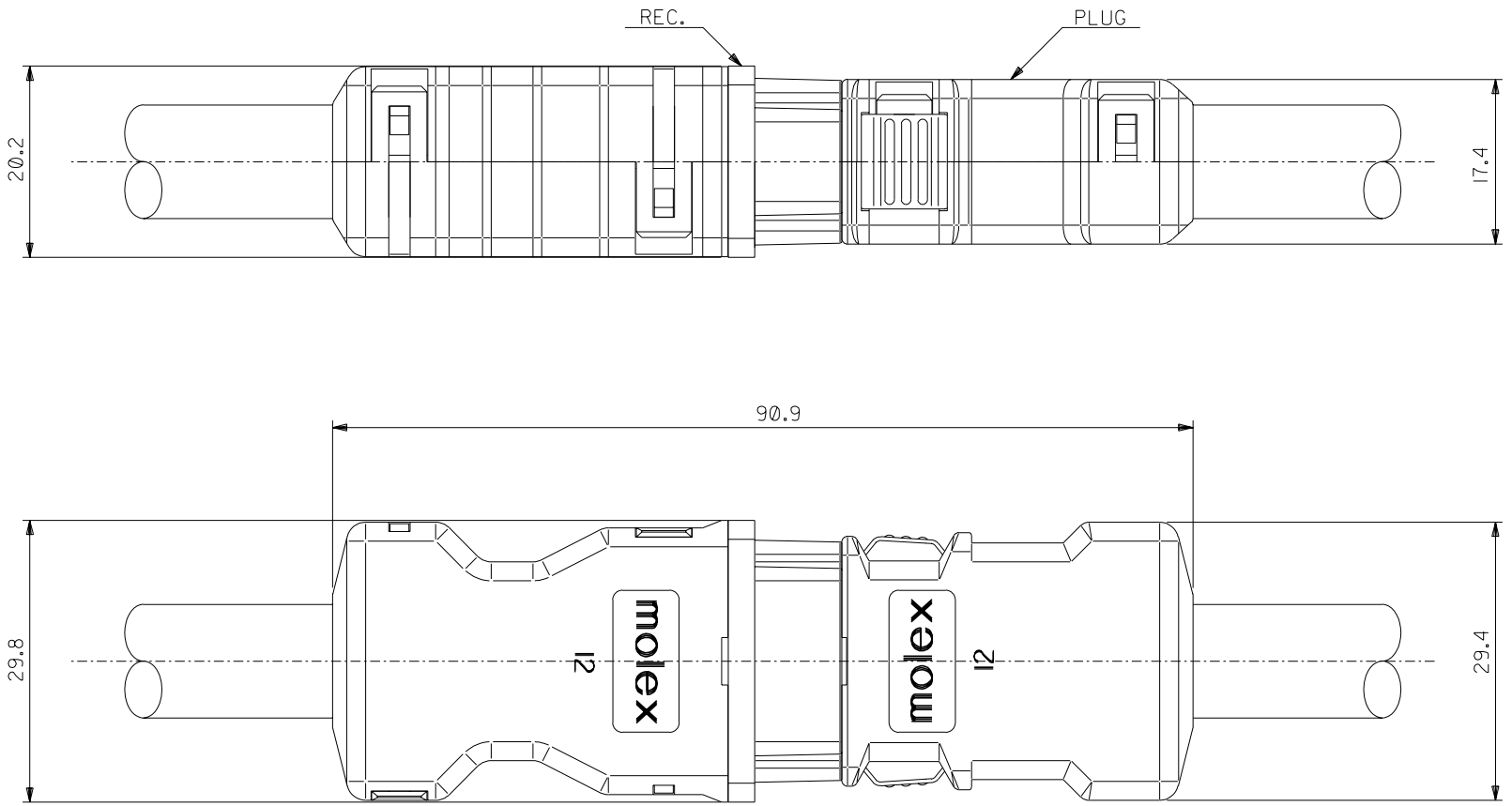
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MATERIAL NO.: SEE CHART
DRAWING NO.: SD-51300-003
SHEET NO.: 2 OF 4
SIZE: B

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51300003.S02

EN-02J(097) MXJ-54

DWG. NO. SD-51300-003



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

	EC NO.	DRWN:	CH'K:	APPR:	DESCRIPTION	REV
					REVISED '02/04/15 EC NO. J2002-2601 DRWN: S.AKIYAMA CH'K: J.MIYAZAWA APPR: YO.ITO	A
					RELEASED '01/10/12 EC NO. J2002-0854 DRWN: S.AKIYAMA CH'K: J.MIYAZAWA APPR: YO.ITO	0

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 '01/10/11

CHECKED BY & DATE J.Miyazawa

APPROVED BY & DATE Y.Ito

CAD FILENAME 51300003.S03

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

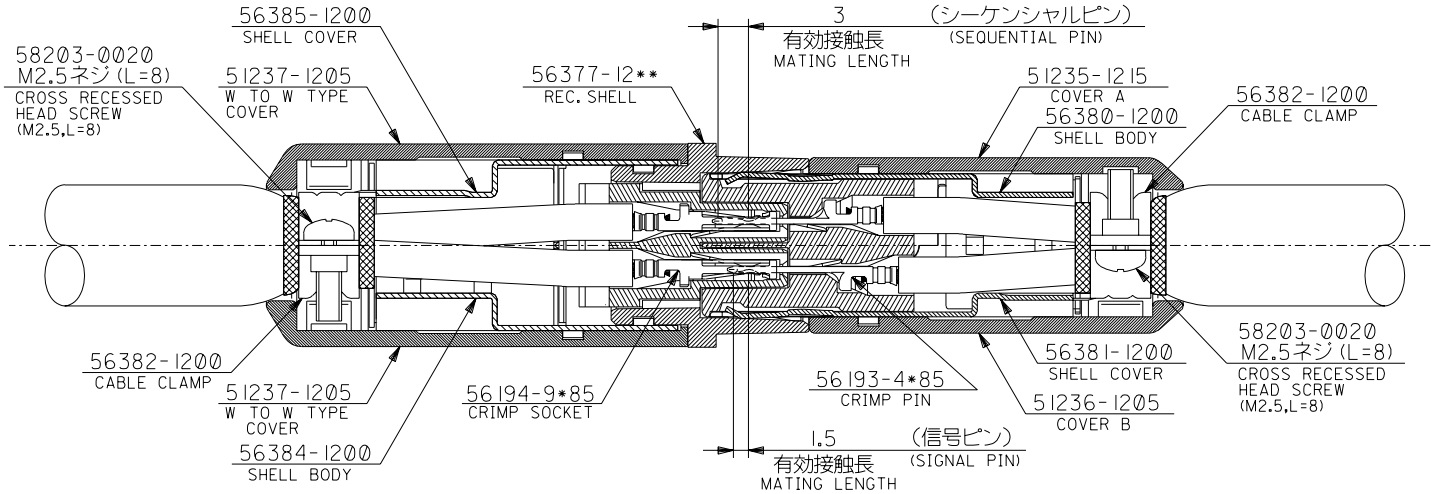
molex MOLEX INCORPORATED

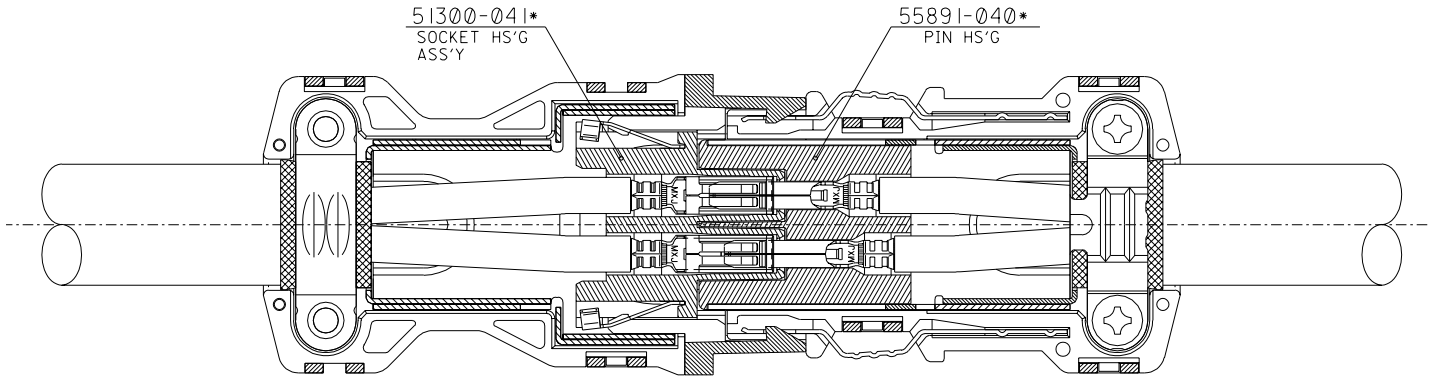
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SIZE B

51300003.S03





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

DWG. NO. SD-51300-003

DO NOT SCALE DRAWING

REV	DESCRIPTION	EC NO.	DRWN	CH'K	APPR
A	REVISED '02/04/15	J2002-2601	S.AKIYAMA	J.MIYAZAWA	YO.ITO
0	RELEASED '01/10/12	J2002-0854	S.AKIYAMA	J.MIYAZAWA	YO.ITO

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 '01/10/11
CHECKED BY & DATE J.Miyazawa
APPROVED BY & DATE Y.Ito
CAD FILENAME 51300003.S04
TITLE: COMPACT ROBOT CONN. POWER REC. SOCKET HS'G ASS'Y
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MATERIAL NO. SEE CHART
DRAWING NO. SD-51300-003
SHEET NO. 4 OF 4
SIZE B

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