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Part Number: [0513000414](#)
Status: **Active**
Description: CRC™ Shielded Rectangular I/O Receptacle Housing for Female Terminal, Power, 4 Circuits, Polarization Type D, Polarization Position B-2

Documents:
[Drawing \(PDF\)](#) [Product Specification PS-51300-005 \(PDF\)](#)
[Product Specification PS-51300-004 \(PDF\)](#) [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

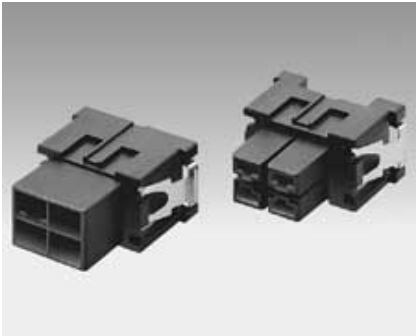
Physical

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



Series
image - Reference only

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

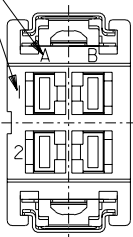
Product Specification
Sales Drawing

PS-51300-004, PS-51300-005
SD-51300-003

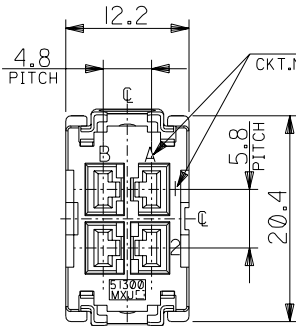
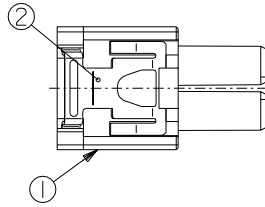
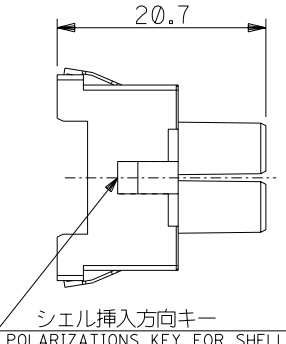
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回路番号表示
CKT.No.IDENTIFICATION

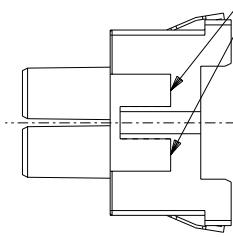


電線挿入側
WIRE SIDE



嵌合側
MATING SIDE

シエル挿入方向キー
POLARIZATIONS KEY FOR SHELL



注記
NOTES

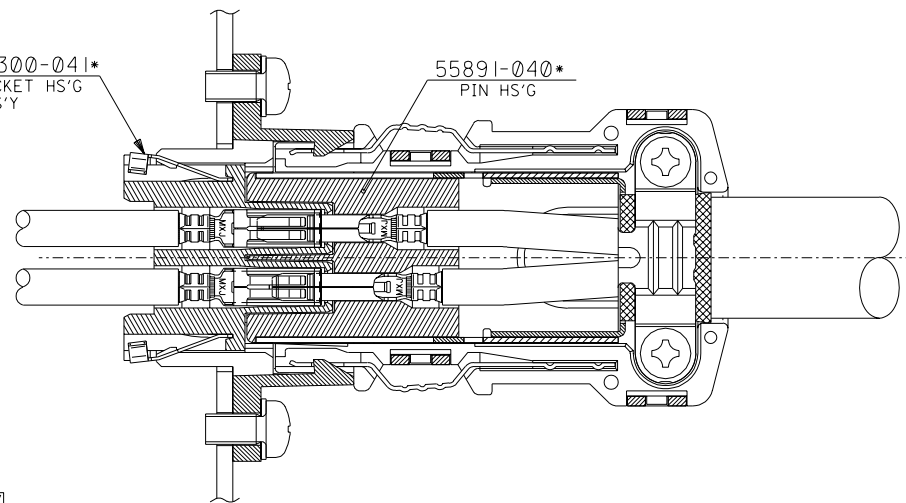
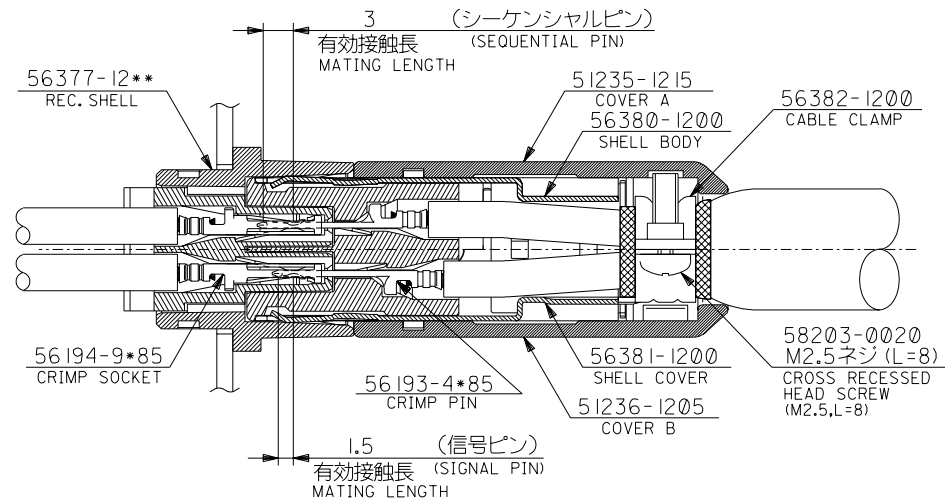
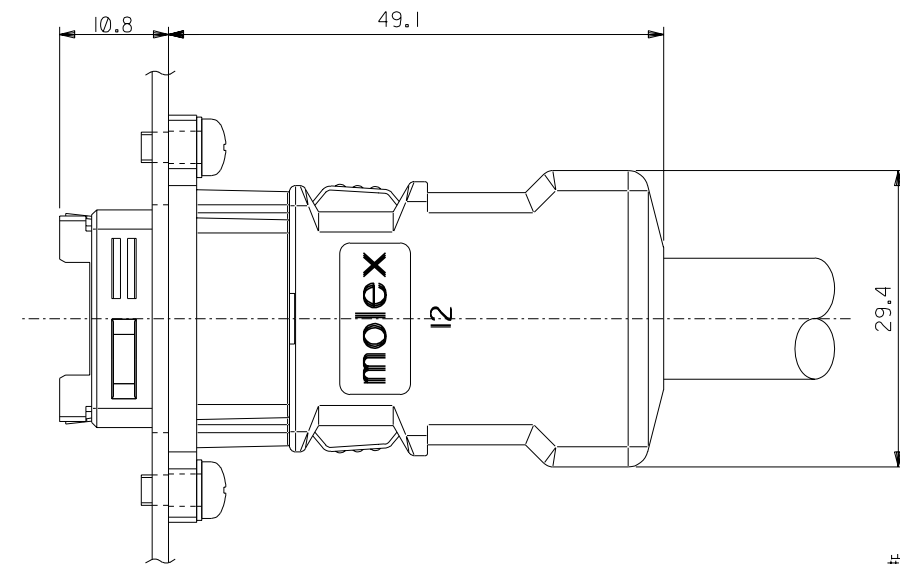
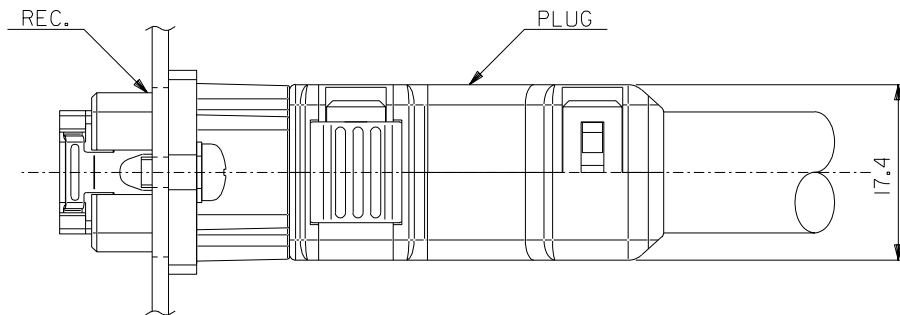
1. 材 質
MATERIAL
①ハウジング：ガラス入りPBT樹脂
HOUSING : PBT G.F.
UL94V-0 色：黒
UL94V-0 COLOR : BLACK
②スプリング：ステンレス鋼 t0.3
SPRING : STAINLESS STEEL t0.3
2. 適用端子：56194-9*85
APPLICABLE CRIMP SOCKET : 56194-9*85
3. 適用リセプタクル シェル：56377-12**
APPLICABLE RECEPTACLE SHELL : 56377-12**
4. 嵌合相手：55891-040*
MEET WITH : 55891-040*

<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)

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

EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	REVISED '02/04/15 EC NO. J2002-2601 DRWN: S.AKIYAMA CHK: J.MIYAZAWA APPR: YO.ITO	RELEASED '01/10/12 EC NO. J2002-0854 DRWN: S.AKIYAMA CHK: J.MIYAZAWA APPR: YO.ITO	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. Akisama '01/10/11		TITLE: COMPACT ROBOT CONN. POWER REC. SOCKET HS'G ASS'Y			
						10 OVER 以上 30 UNDER 未満	±0.25	CHECKED BY & DATE J. Morawara					
						30 OVER 以上	±0.3	APPROVED BY & DATE Y. Ota		MOLEX MOLEX INCORPORATED			
						ANGLE 角度	±3°	CAD FILENAME 51300003.S01	MATERIAL NO. SEE CHART	DRAWING NO. SD-51300-003	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



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 '02/04/15 EC NO. J2002-2601 DRWN: S.AKIYAMA CHK: J.MIYAZAWA APPR: YO.ITO	A	Q	REV	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					
																10 UNDER 未満	±0.2	DRAWN BY & DATE S. Akisama '01/10/11		TITLE: COMPACT ROBOT CONN. POWER REC. SOCKET HS'G ASS'Y							
																10 OVER 以上	30 UNDER 未満	±0.25	CHECKED BY & DATE J. Marawa								
																30 OVER 以上	±0.3	APPROVED BY & DATE Y. Ota		MOLEX INCORPORATED							
															WIRE RANGE 適用電線範囲	—	ANGLE 角度	±3°	CAD FILENAME 51300003.S02	MATERIAL NO. SEE CHART	DRAWING NO. SD-51300-003	SHEET NO. 2 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

DWG. NO.
SD-51300-003

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DO NOT SCALE DRAWING

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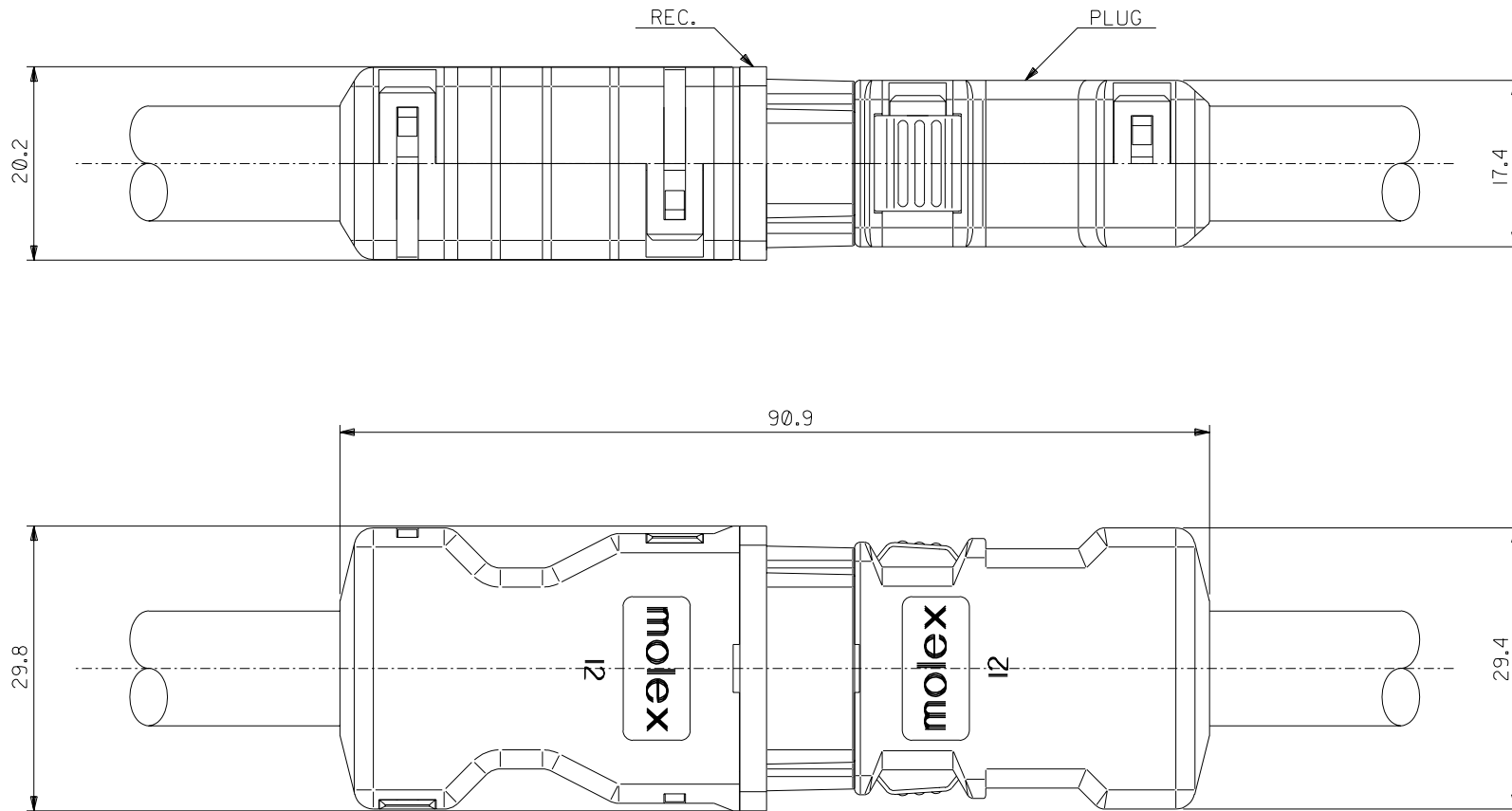
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51300003.S03



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 '02/04/15 EC NO. J2002-2601 DRWN: S.AKIYAMA CHK: J.MIYAZAWA APPR: YO.ITO	RELEASED '01/10/12 EC NO. J2002-0854 DRWN: S.AKIYAMA CHK: J.MIYAZAWA APPR: YO.ITO	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
									FINISH 仕上り	10 UNDER 未満		±0.2		DRAWN BY & DATE S. Akizama '01/10/11		TITLE: COMPACT ROBOT CONN. POWER 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 J. Miyazawa							
										30 OVER 以上	±0.3	APPROVED BY & DATE Y. Ito		MOLEX INCORPORATED							
										ANGLE 角度	±3°	CAD FILENAME 51300003.S03		MATERIAL NO. SEE CHART		DRAWING NO. SD-51300-003		SHEET NO. 3 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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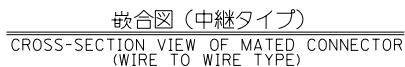
4

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EN-02J(097) MXJ-54

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EC NO. DRWN: CHK: APPR:			EC NO. DRWN: CHK: APPR:			EC NO. DRWN: CHK: APPR:			REVISED '02/04/15 EC NO. J2002-2601 DRWN: S.AKIYAMA CHK: J.MIYAZAWA APPR: YO.ITO	EC NO. J2002-0854 DRWN: S.AKIYAMA CHK: J.MIYAZAWA APPR: YO.ITO	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	Ø	FINISH 仕上	— # —	10 UNDER 未満	±0.2	DRAWN BY & DATE S. Akiyama 01/10/11		TITLE: COMPACT ROBOT CONN. POWER REC. SOCKET HS'G ASS'Y							
											30 OVER 以上		±0.25	CHECKED BY & DATE M. Morozumi										
											WIRE RANGE 適用電線範囲		— # —	ANGLE 角度	±3°	CAD FILENAME 51300003.S04		MATERIAL NO. SEE CHART		DRAWING NO. SD-51300-003		SHEET NO. 4 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

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