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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-51238-018 \(PDF\)](#)
[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	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



image - Reference only **Series**

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

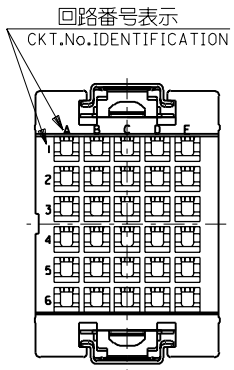
Material Info

Reference - Drawing Numbers

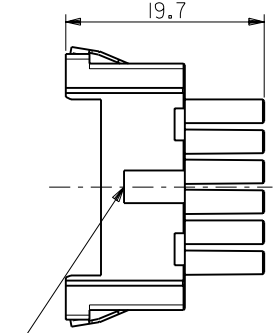
Product Specification	PS-51238-010, PS-51238-018, RPS-51238-001
Sales Drawing	SD-51238-009

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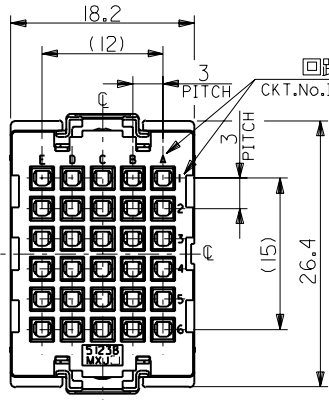
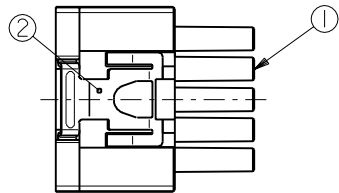
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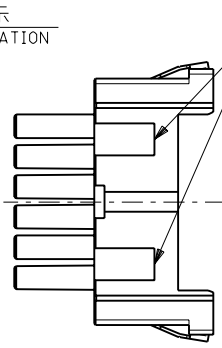
電線挿入側
WIRE SIDE



シエル挿入方向キー
POLARIZATIONS KEY FOR SHELL



嵌合側
MATING SIDE



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: 56120-8*90, 56121-8*90
APPLICABLE CRIMP PIN: 56120-8*90, 56121-8*90

3. 適用リセプタクル シェル: 56377-30**
APPLICABLE RECEPTACLE SHELL: 56377-30**

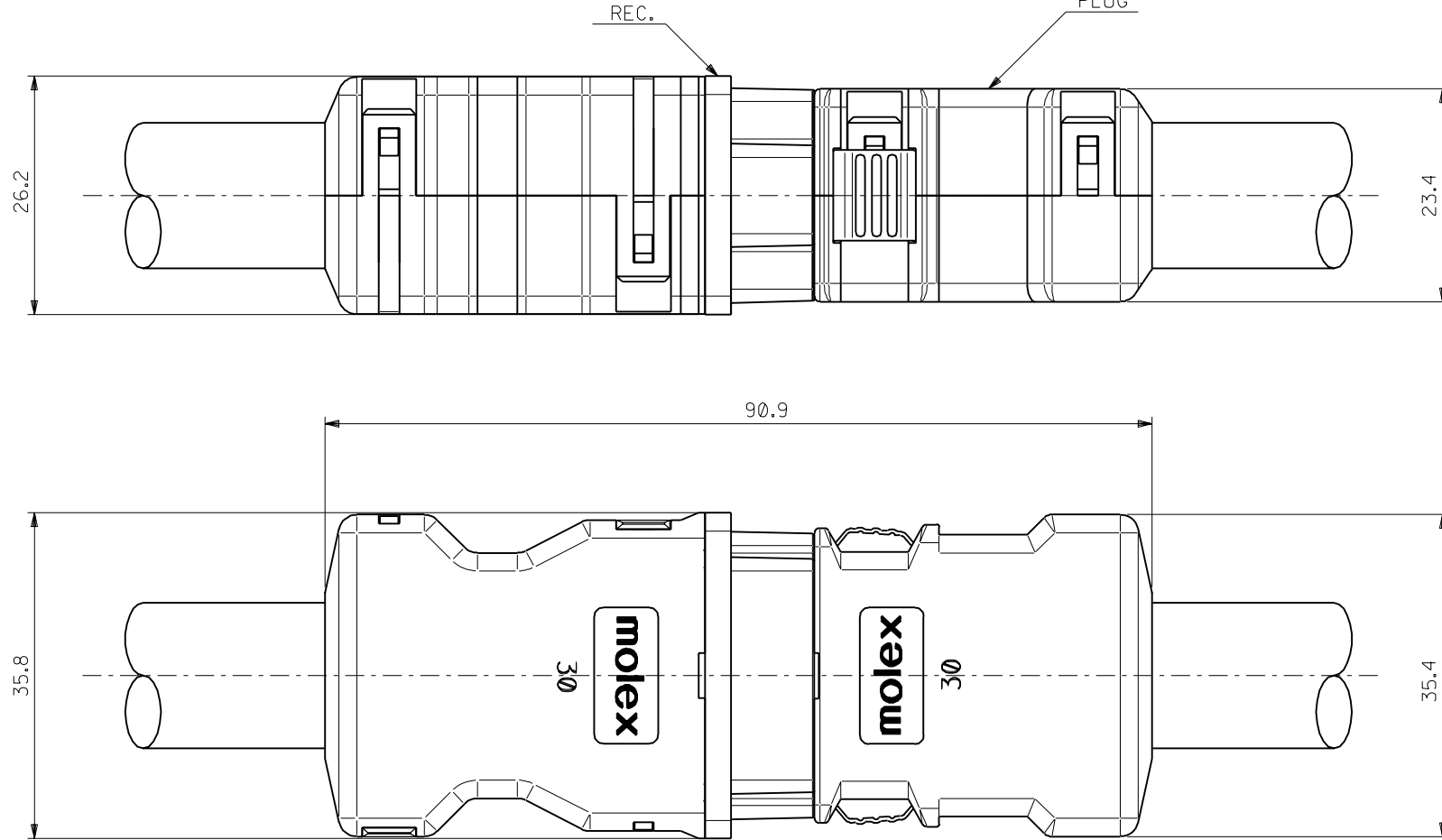
4. 嵌合相手: 51234-300*
MEET WITH: 51234-300*

<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

B-3	D	51238-3015	51238-***	30
D-4	C	51238-3014		
C-4	B	51238-3013		
C-3	A	51238-3012		
—#—	STANDARD	51238-3011		
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: H.IKESUGI	DESCRIPTION 記述 —	MATERIAL 材料 注記参照 SEE NOTES	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	SCALE 2-1	DESIGN UNITS mm INCH mm ONLY	THIRD ANGLE PROJECTION	mm INCH mm ONLY		REVISE ON CAD ONLY	
							10 UNDER 未満	±0.2	DRAWN BY & DATE S. Akizawa 01/25	TITLE: COMPACT ROBOT CONN. (CRC) REC. SOCKET HS'G ASS'Y				
							10 OVER 30 UNDER 以上 未満	±0.25	CHECKED BY & DATE J. Morawski / Y. Ito					
							30 OVER 以上	±0.3	APPROVED BY & DATE S. Akizawa	MOLEX INCORPORATED				
							ANGLE 角度	±3°	CAD FILE NAME 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



嵌合図 (中継タイプ)

CROSS-SECTION VIEW OF MATED CONNECTOR
(WIRE TO WIRE TYPE)

EC NO. DRWN: CHK'g APPR:		EC NO. DRWN: CHK'g APPR:		EC NO. DRWN: CHK'g APPR:		REVISED 01/10/04 EC NO. J2002-0786 DRWN: S. AKIYAMA CHK'g: J. MIYAZAWA APPR: YO. ITO	0 EC NO. JD2001-1040 DRWN: S. AKIYAMA CHK'g: J. MIYAZAWA APPR: H. IKESUGI	DESCRIPTION MATERIAL 材料 FINISH 仕上げ WIRE RANGE 適用電線範囲 INS. RANGE 被覆外径	注記参照 SEE NOTES # # #	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差 10 UNDER 未満 10 OVER 以上 30 UNDER 未満 30 OVER 以上 ANGLE 角度	±0.2 ±0.25 ±0.3 ±3°	SCALE 2-1 DRAWN BY & DATE S. Akiyama / 01/25 CHECKED BY & DATE J. Miyazawa / Y. Ito APPROVED BY & DATE Yo. Ito CAD FILE NAME 51238009.S03	DESIGN UNITS mm INCH THIRD ANGLE PROJECTION TITLE: COMPACT ROBOT CONN. (CRC) REC. SOCKET HS'G ASS'Y MOLEX INCORPORATED	DIMENSIONS: mm INCH SHT REV REVISE ON CAD ONLY	MATERIAL NO. SEE CHART DRAWING NO. SD-51238-009 SHEET NO. 3 OF 4
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SIZE
B

DWG. NO.
SD-51238-009

F

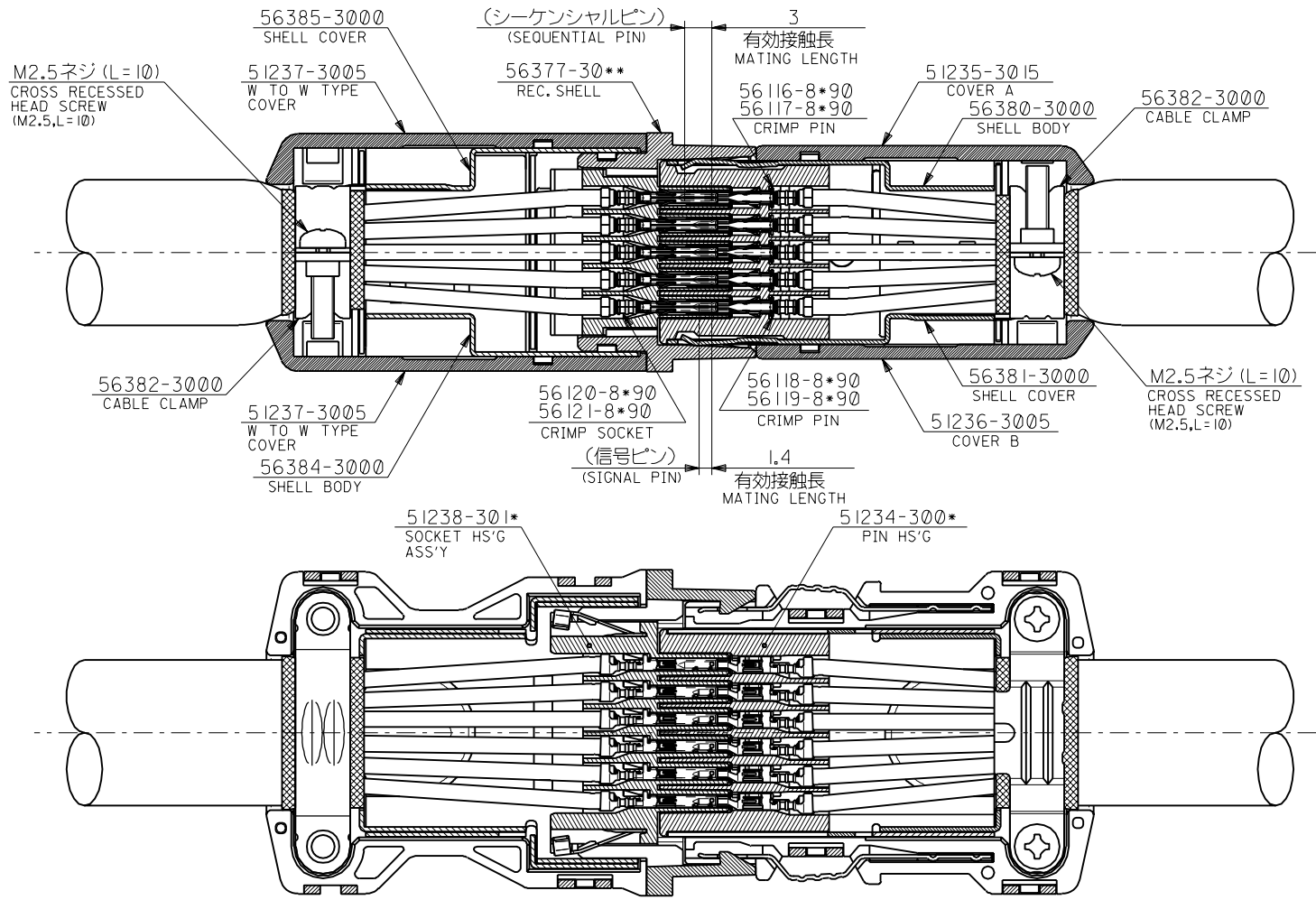
D

A

C

B

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'g APPR:		EC NO. DRWN: CHK'g APPR:		EC NO. DRWN: CHK'g APPR:		REVISED 01/10/04 EC NO. J2002-0786 DRWN: S. AKIYAMA CHK'g: J. MIYAZAWA APPR: YO. ITO	EC NO. J2001-1040 DRWN: S. AKIYAMA CHK'g: J. MIYAZAWA APPR: H. IKESUGI	DESCRIPTION MATERIAL 材料 FINISH 仕上げ WIRE RANGE 適用電線範囲 INS. RANGE 被覆外径	注記参照 SEE NOTES —#— —#— —#—	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差 10 UNDER 未満 10 OVER 以上 30 UNDER 未満 30 OVER 以上 ANGLE 角度	±0.2 ±0.25 ±0.3 ±3°	SCALE 2-1 DESIGN UNITS mm INCH THIRD ANGLE PROJECTION TITLE: COMPACT ROBOT CONN. (CRC) REC. SOCKET HS'G ASS'Y MATERIAL NO. SEE CHART DRAWING NO. SD-51238-009 SHEET NO. 4 OF 4	DIMENSIONS: mm INCH SHT REV REVISIONS CAD ONLY
A		0								THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		EN-02J(097) MXJ-54	

51238009.S04

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- Приемлемые сроки поставки, возможна ускоренная поставка.
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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
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