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Part Number: [0512381211](#)
Status: **Active**
Description: CRC™ Shielded Rectangular I/O Receptacle Housing for Female 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 [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) 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) N/A
Temperature Range - Operating -40°C to +105°C
Termination Interface: Style N/A
Waterproof / Dustproof No

Electrical

Current - Maximum per Contact 1A, 2A, 3A, 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

[51238Series](#)

Mates With

51234-120X plug housing|55836-120X plug
assembly set

Use With

56377-120* receptacle shell|56120, 56121
female terminal

Material Info

Reference - Drawing Numbers

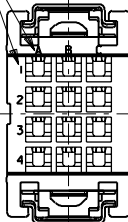
Product Specification
Sales Drawing

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

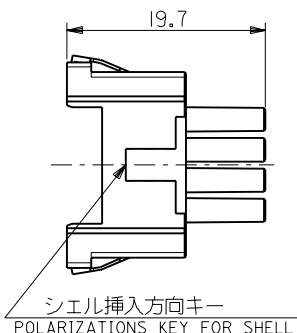
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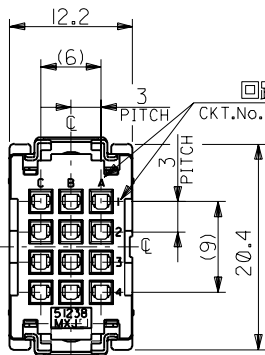
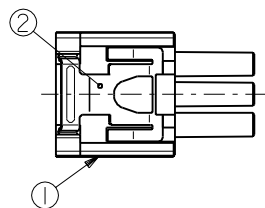
回路番号表示
CKT.No. IDENTIFICATION



電線挿入側
WIRE SIDE



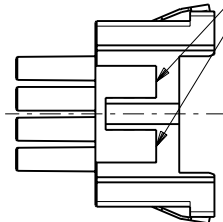
シエル挿入方向キー
POLARIZATIONS KEY FOR SHELL



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：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：56377-12**
APPLICABLE RECEPTACLE SHELL : 56377-12**

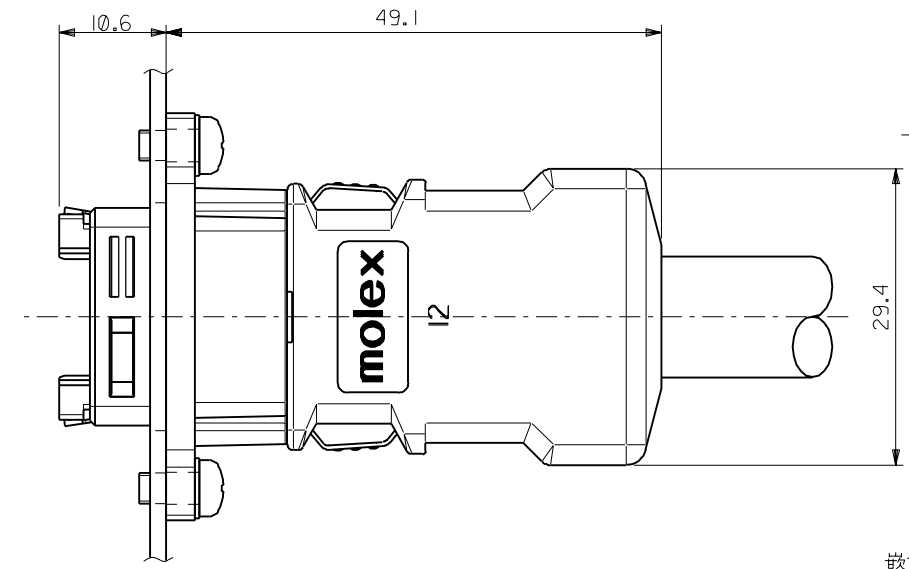
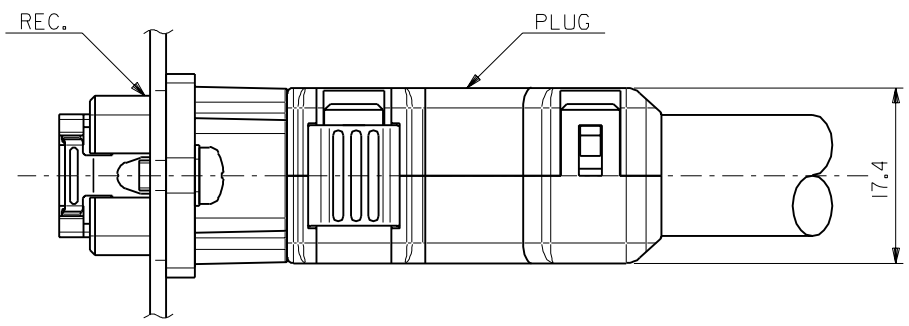
4. 嵌合相手：51234-120*
MEET WITH : 51234-120*

<誤嵌合防止キー（極性）タイプ> <POLARITY KEY TYPE>

51238-1211	51238-1212	51238-1213	51238-1214	51238-1215
STANDARD TYPE	A TYPE	B TYPE	C TYPE	D TYPE

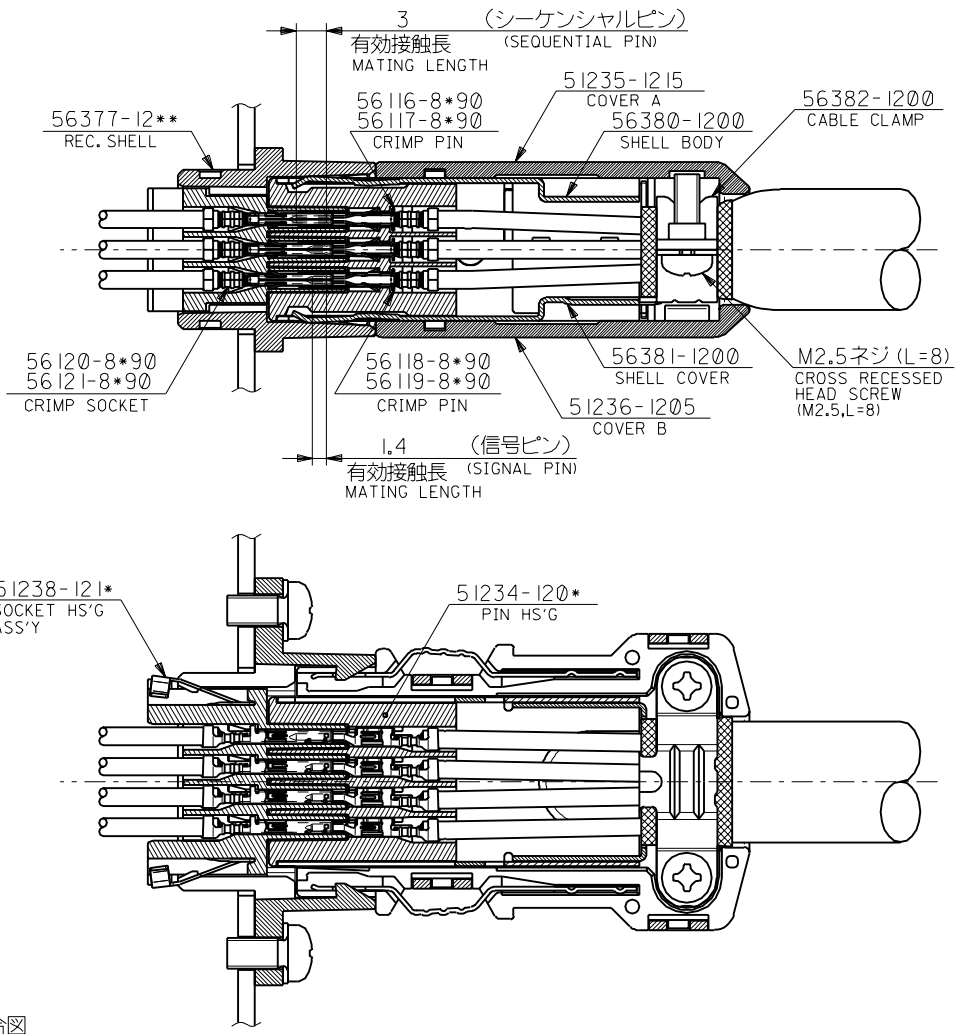
A-2	D	51238-1215	51238-***12	12
C-3	C	51238-1214		
B-3	B	51238-1213		
B-2	A	51238-1212		
—#—	STANDARD	51238-1211		
POLARITY POSITION (CIRCUIT No.)	POLARITY TYPE	MATERIAL No.	MODEL No.	CIRCUIT

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	FINISH 仕上り —#—	WIRE RANGE 適用電線範囲 —#—	INS. RANGE 被覆外径 —#—	REV	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差		SCALE 2-1	DESIGN UNITS ☒ mm ☐ INCH	 THIRD ANGLE PROJECTION	☐ mm INCH ☐ mm INCH ☒ mm ONLY	SHT REVISE ON CAD ONLY	
										10 UNDER 未満	±0.2	DRAWN BY & DATE S. Akiyama '01/25		TITLE: COMPACT ROBOT CONN.(CRC) REC. SOCKET 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 H. Ikesugi		MOLEX INCORPORATED			
			A	0						ANGLE 角度	±3°	CAD FILE NAME 51238007.S01	MATERIAL NO. SEE CHART	DRAWING NO. SD-51238-007	SHEET NO. 1 OF 4	SIZE B	
											THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.						

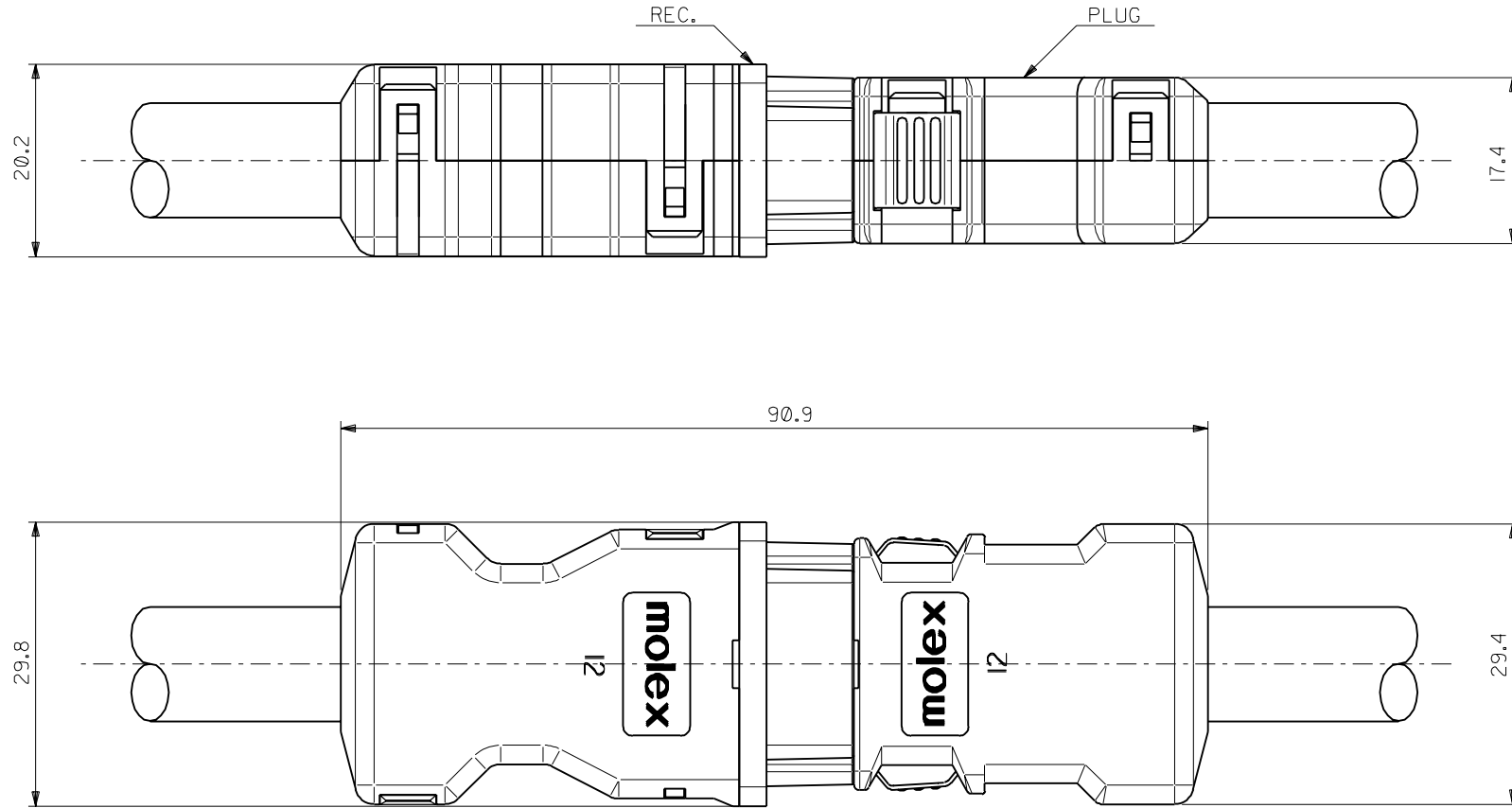


嵌合図

CROSS-SECTION VIEW OF MATED CONNECTOR



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			RELEASED 01/02/16 EC NO. JD2001-1040 DRWN: S.AKIYAMA CHK'g: 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			REV			FINISH 仕上り						10 UNDER 未満			±0.2			DRAWN BY & DATE S. Akiyama 01/25			TITLE: COMPACT ROBOT CONN. (CRC) REC. SOCKET 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														
																		WIRE RANGE 適用電線範囲						ANGLE 角度			±3°			CAD FILENAME 51238007.S01			MATERIAL NO. SEE CHART			DRAWING NO. SD-51238-007			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					



嵌合図 (中継タイプ)

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

(WIRE TO WIRE TYPE)														DIMENSIONS:			SHT	REV		
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		GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差		SCALE 2-1	DESIGN UNITS ☒ mm ☐ INCH	 THIRD ANGLE PROJECTION	☐ mm INCH	☐ INCH mm	☒ mm ONLY	REVISE ON CAD ONLY			
						FINISH 仕上り			10 UNDER 未満	±0.2	DRAWN BY & DATE S. Akiyama 01/25			TITLE: COMPACT ROBOT CONN. (CRC) 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 / Y. Ito										
								30 OVER 以上	±0.3	APPROVED BY & DATE H. Ikesugi										
						ANGLE 角度	±3°	CAD FILENAME 51238007.S03		MATERIAL NO. SEE CHART		DRAWING NO. SD-51238-007		SHEET NO. 3 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-51238-007

F

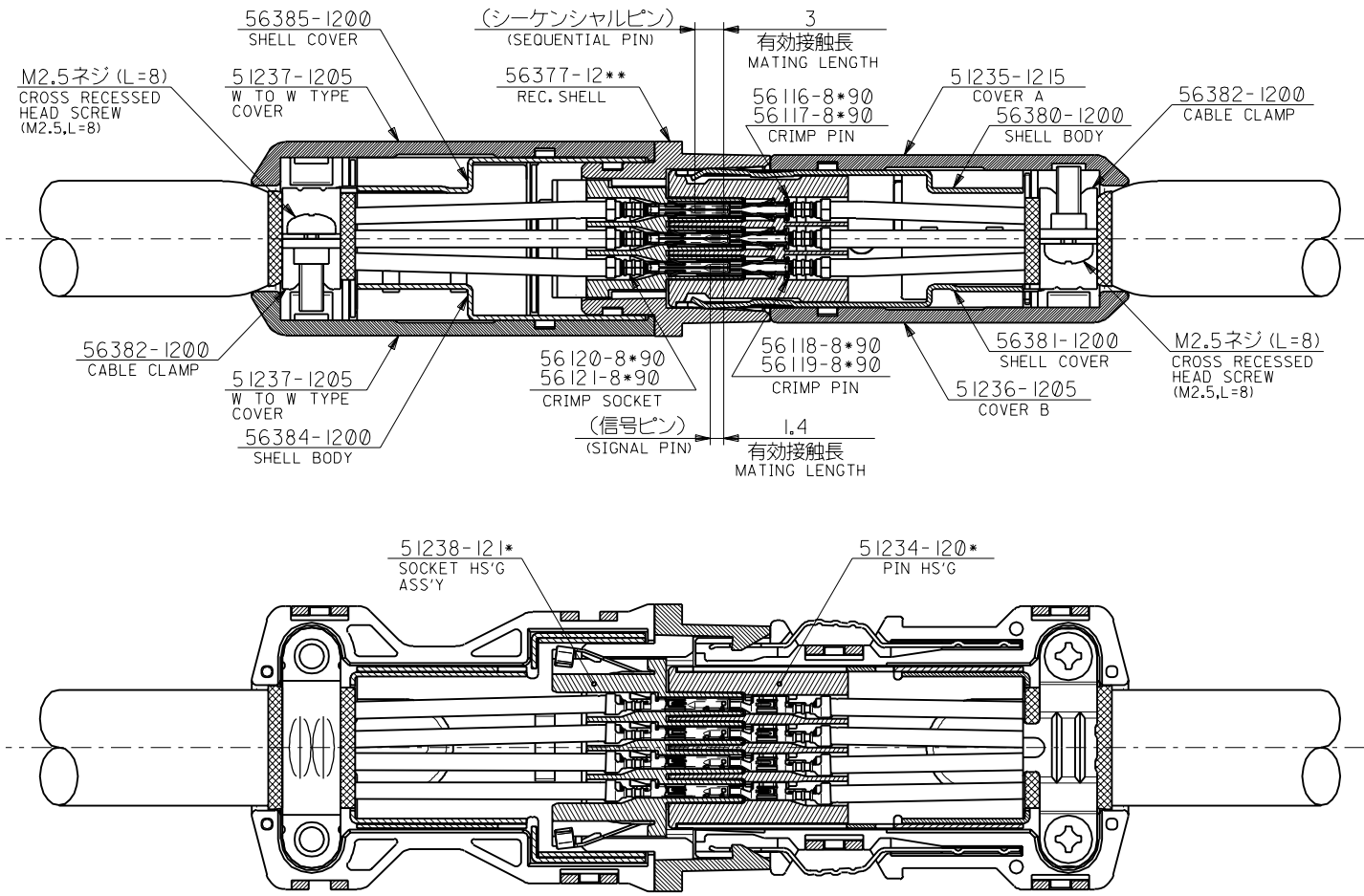
D

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: 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	0 EC NO. JD2001-1040 DRWN: S. AKIYAMA CHK: 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 DRAWN BY & DATE S. Akiyama 1/01/25 CHECKED BY & DATE J. Miyazawa / Y. Ito APPROVED BY & DATE H. Ikesugi CAD FILE NAME 51238007.S04	DIMENSIONS: □mm □INCH SHT REV REVISE ON CAD ONLY		TITLE: COMPACT ROBOT CONN. (CRC) REC. SOCKET HS'G ASS'Y MOLEX INCORPORATED MATERIAL NO. SEE CHART DRAWING NO. SD-51238-007 SHEET NO. 4 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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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42

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