

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0512331211
Status: Active
Description: CRC™ Shielded Rectangular I/O Receptacle Housing for Male Terminal, Signal, 12 Circuits, Polarization Type Standard

Documents:
[Drawing \(PDF\)](#)
[Product Specification PS-51238-010 \(PDF\)](#)
[Product Specification PS-51238-018 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA	LR19980
TUV	R72081037
UL	E29179

General

Product Family	I/O Connectors
Series	51233
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)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	N/A
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	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
51233Series

Mates With
51239-120X plug housing|54332-120X plug assembly set

Use With
56377-120* receptacle shell|56116, 56117, 56118 and 56119 male terminal

Material Info

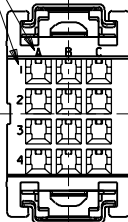
Reference - Drawing Numbers

Product Specification	PS-51238-010, PS-51238-018, RPS-51238-001
Sales Drawing	SD-51233-007

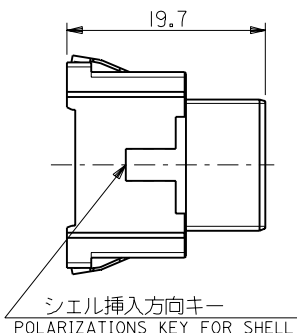
This document was generated on 04/12/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

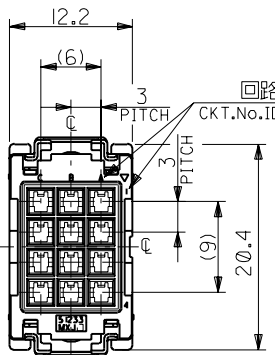
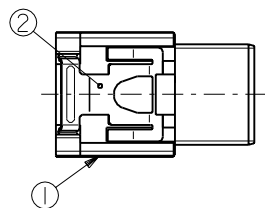
回路番号表示
CKT.No. IDENTIFICATION



電線挿入側
WIRE SIDE



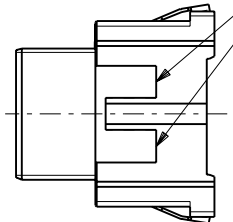
シエル挿入方向キー
POLARIZATIONS KEY FOR SHELL



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：56116-8*90 , 56117-8*90
56118-8*90 , 56119-8*90
APPLICABLE CRIMP PIN : 56116-8*90 , 56117-8*90
56118-8*90 , 56119-8*90
3. 適用リセプタクル シエル：56377-12**
APPLICABLE RECEPTACLE SHELL : 56377-12**
4. 嵌合相手：51239-120*
MEET WITH : 51239-120*

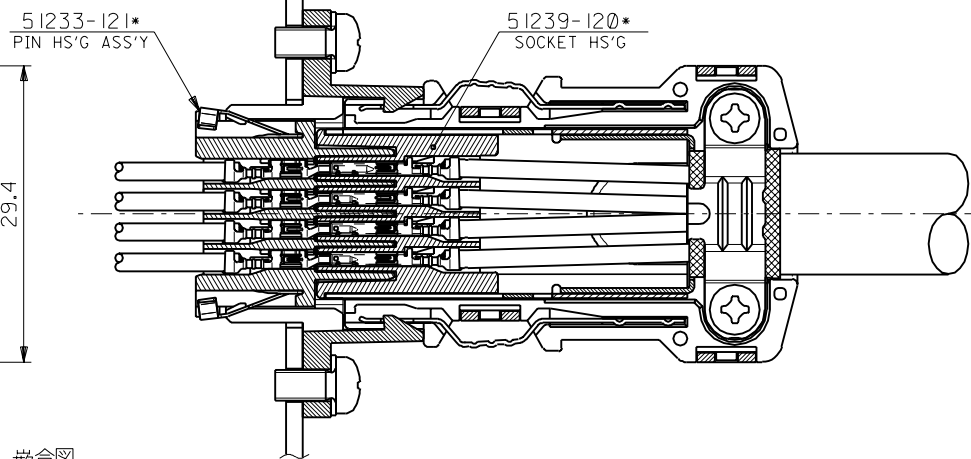
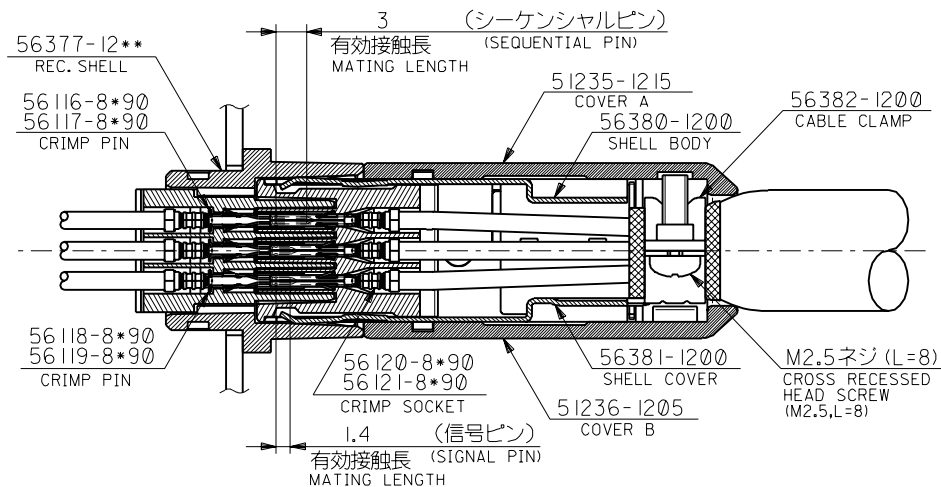
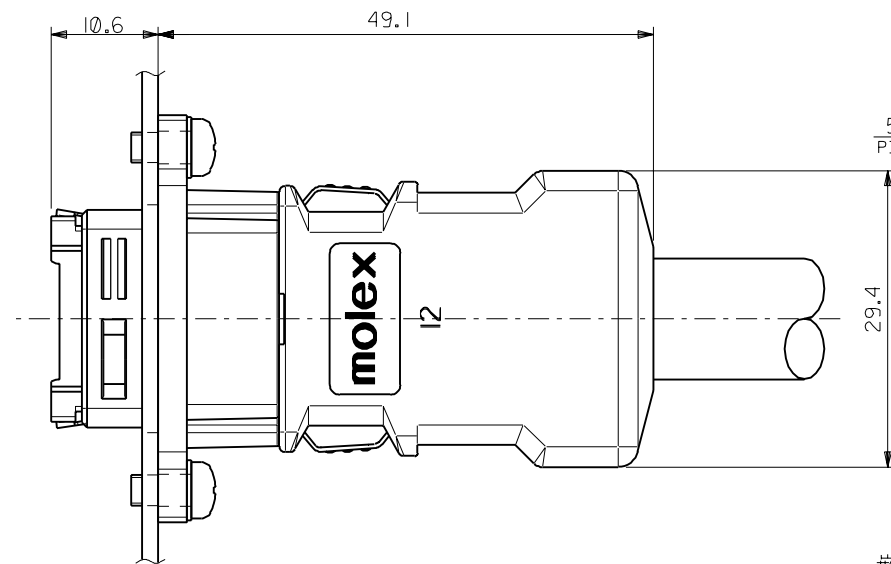
<誤嵌合防止キー（極性）タイプ> <POLARITY KEY TYPE>

51233-1211	51233-1212	51233-1213	51233-1214	51233-1215
STANDARD TYPE	A TYPE	B TYPE	C TYPE	D TYPE

A-2	D	51233-1215	51233-**1*	12
C-3	C	51233-1214		
B-3	B	51233-1213		
B-2	A	51233-1212		
—#—	STANDARD	51233-1211		
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	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	SCALE 2-1	DESIGN UNITS ☒ mm ☐ INCH	 THIRD ANGLE PROJECTION	☐ mm INCH ☐ INCH ☒ mm ONLY	REVISE ON CAD ONLY	
						10 UNDER 未満		±0.2	DRAWN BY & DATE S. Akiyama / 01/25	TITLE: COMPACT ROBOT CONN. (CRC) REC. PIN HS'G ASS'Y				
						10 OVER 以上 30 UNDER 未満		±0.25	CHECKED BY & DATE J. Miyazawa / 2.06					
						30 OVER 以上		±0.3	APPROVED BY & DATE S. Akiyama		 MOLEX INCORPORATED			
					REV	WIRE RANGE 適用電線範囲		ANGLE 角度	±3°	CAD FILE NAME 51233007.S01	MATERIAL NO. SEE CHART	DRAWING NO. SD-51233-007	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

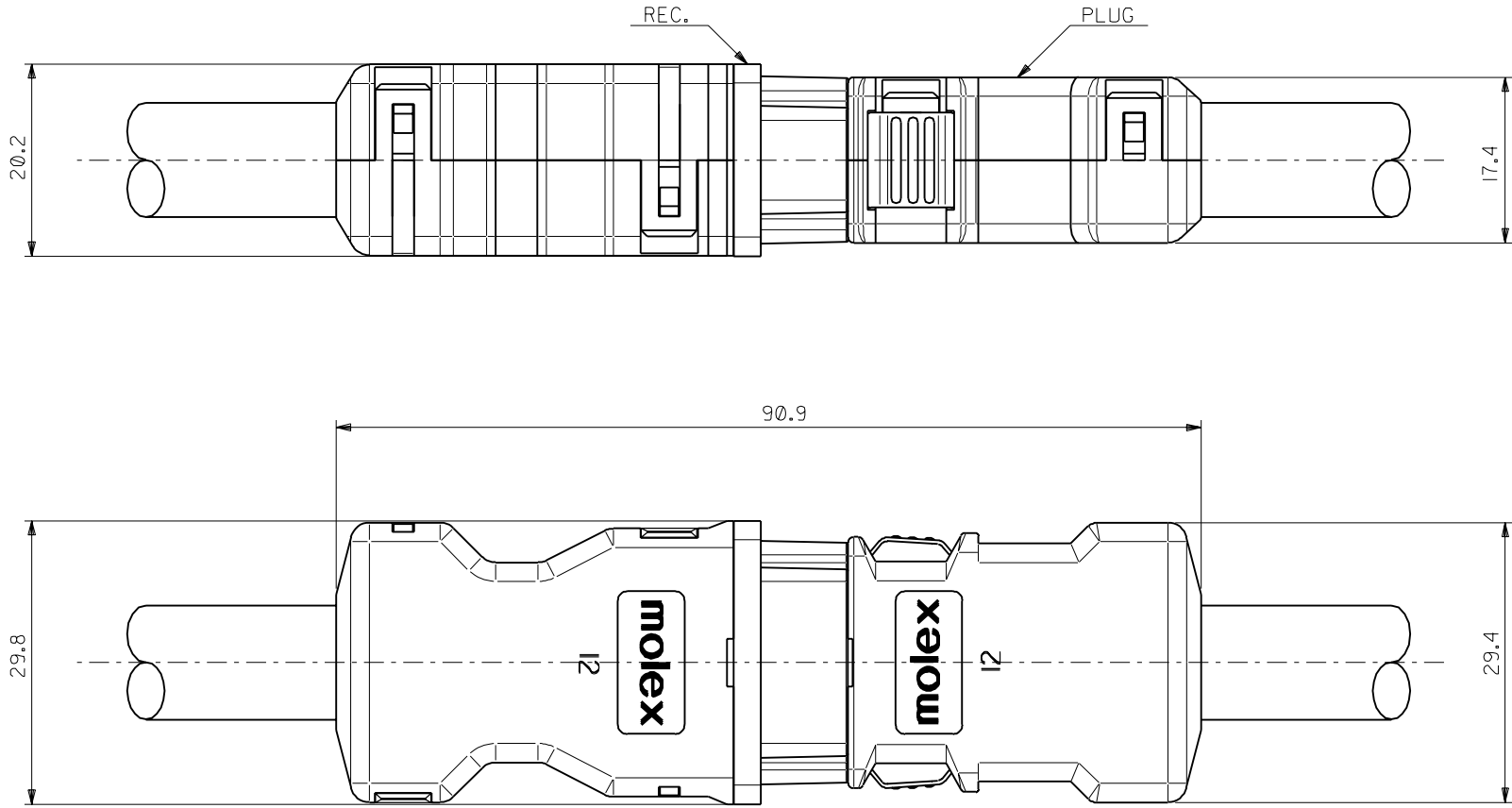
1



嵌合图

CROSS-SECTION VIEW OF MATED CONNECTOR

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	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 ☐ mm ONLY	REVISE ON CAD ONLY
			A	0	REV	FINISH 仕上げ — # —	10 UNDER 未満 ±0.2 10 OVER 30 UNDER 以上 未満 ±0.25 30 OVER 以上 ±0.3	±0.2 ±0.25 ±0.3	DRAWN BY & DATE S. Akizawa 01/01/25 CHECKED BY & DATE J. Morawara / Y. Ito APPROVED BY & DATE H. Ikesugi	TITLE: COMPACT ROBOT CONN. (CRC) REC. PIN HS'G ASS'Y		
						WIRE RANGE 適用電線範囲 — # —	ANGLE 角度 ±3°	±3°	CAD FILE NAME 51233007.S02	MATERIAL NO. SEE CHART	DRAWING NO. SD-51233-007	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)

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 注記参照 SEE NOTES	MATERIAL 材料	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 仕上げ	10 UNDER 未満	±0.2	DRAWN BY & DATE S. Akiyama / 01/25		TITLE: COMPACT ROBOT CONN. (CRC) REC. PIN HS'G ASS'Y	
												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		MOLEX INCORPORATED	
											WIRE RANGE 適用電線範囲		ANGLE 角度	±3°	CAD FILENAME 51233007.S03	MATERIAL NO. SEE CHART	DRAWING NO. SD-51233-007	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-51233-007

F

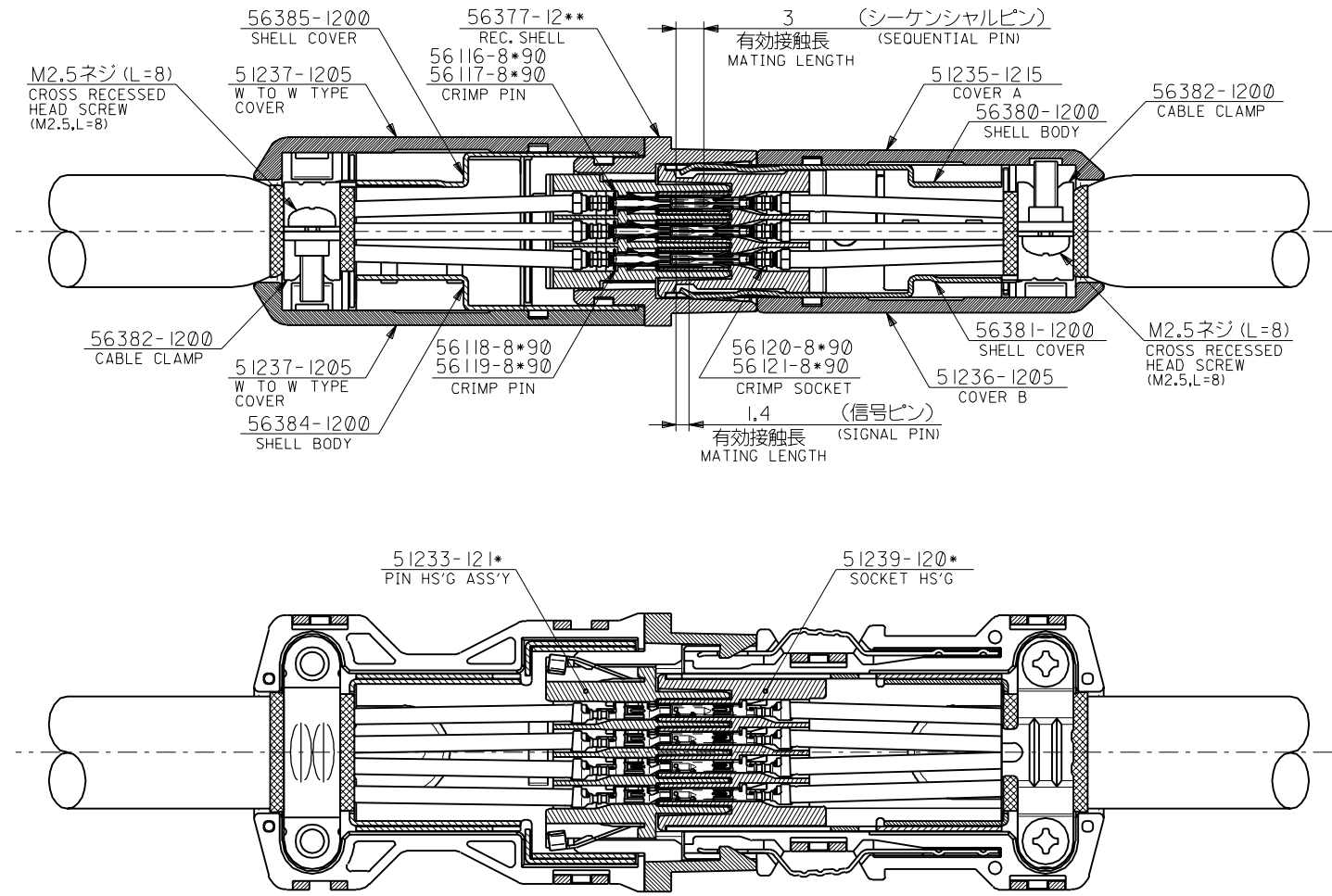
D

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'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: Y. 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) —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 1/01/25 CHECKED BY & DATE J. Miyazawa / Y. Ito APPROVED BY & DATE H. Ikesugi CAD FILE NAME 51233007.S04	DESIGN UNITS mm INCH THIRD ANGLE PROJECTION TITLE: COMPACT ROBOT CONN. (CRC) REC. PIN HS'G ASS'Y MATERIAL NO. SEE CHART DRAWING NO. SD-51233-007 SHEET NO. 4 OF 4	DIMENSIONS: mm INCH SHT REV REVISE ON CAD ONLY
-----------------------------------	--	-----------------------------------	--	-----------------------------------	--	---	---	--	--	---	------------------------------	---	---	---

A
51233007.S04

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.



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

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.