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Part Number: [0558371270](#)
Status: **Active**
Overview: [crc_compact_robotic_connectors](#)
Description: CRC™ Shielded Rectangular I/O Receptacle Assembly Set, Wire-to-Wire, Male Terminal, Signal, 12 Circuits, Polarization Type Standard, Lead-free



Series

image - Reference only

Documents:

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

General

Product Family	I/O Connectors
Series	55837
Application	Wire-to-Wire
Component Type	Kit
Overview	crc_compact_robotic_connectors
Product Name	CRC™
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Black, Gray
Durability (mating cycles max)	100
Gender	Pin
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Stainless Steel, Steel
Material - Plating Mating	n/a
Material - Resin	Polycarbonate, Polyester
Number of Rows	4
Orientation	Vertical
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface (in)	0.118 In
Pitch - Mating Interface (mm)	3.00 mm
Pitch - Term. Interface (in)	1.181 In
Pitch - Term. Interface (mm)	3.00 mm
Polarized to Mating Part	Yes
Ports	1
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Crimp or Compression
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	4A
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	250V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Product Specification	PS-51238-018, RPS-51238-001
Sales Drawing	SD-55837-006

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
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
[55837Series](#)

Mates With
[51239](#) CRC™ Shielded Rectangular I/O Plug Housing, [54332](#) CRC™ Shielded Rectangular I/O Plug Assembly Set

This document was generated on 05/19/2010

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55837-3074	
55837-2074	55837-***74
55837-1274	
55837-3073	
55837-2073	55837-***73
55837-1273	
55837-3072	
55837-2072	55837-***72
55837-1272	
55837-3071	
55837-2071	55837-***71
55837-1271	
55837-3070	
55837-2070	55837-***70
55837-1270	
MATERIAL NO.	MODEL NO.

1. ELV及びRoHS適合品。
ELV AND RoHS COMPLIANT.

2. 本製品は 55837-xx0x の鉛フリー品である。
THIS PRODUCT IS LEAD FREE VERSION OF 55837-xx0x.

tb_frame_A3_J_ME_S
Rev. E 2006/04/15

MOLD COVER	51237-1205	2	51237-2005	2	51237-3005	2
CROSS RECESSED HEAD SCREW	58203-0020	2	58203-0020	2	58203-0021	2
CABLE CLAMP	56382-1200	1	56382-2000	1	56382-3000	1
SHELL COVER	56385-1228	1	56385-2028	1	56385-3028	1
SHELL BODY	56384-1228	1	56384-2028	1	56384-3028	1
RECEPTACLE SHELL	56377-1202	1	56377-2002	1	56377-3002	1
REC. PIN HS'G ASS'Y	51233-1212	1	51233-2012	1	51233-3012	1
部品名称 PART NAME	部品型番 PART NO.	数量 QUAN.	部品型番 PART NO.	数量 QUAN.	部品型番 PART NO.	数量 QUAN.
極数 CIRCUIT	12		20		30	
セット型番 SET NO.	55837-1271		55837-2071		55837-3071	
タイプ TYPE	A TYPE					

RELEASED EC NO: J2007-2693 DRWN:YAOYAGI CHKD:K TOYODA APPR:NUKI TA 0	2007/03/29 2007/03/30 2007/04/03	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
			10 UNDER	± ---	DRAWN BY Y. AOYAGI	DATE 2007/03/27	TITLE COMPACT ROBOT CONN. W/W TYPE PIN SET			
			10 OVER 30 UNDER	± ---	CHECKED BY K. TOYODA	DATE 2007/03/29				
			30 OVER	± ---	APPROVED BY N. UKITA	DATE 2007/03/29	 MOLEX INCORPORATED			
			ANGULAR ± --- °		MATERIAL NO.					DOCUMENT NO.
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-55837-006		2 OF 5			
REV			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

	10	9	8	7	6	5	4	3	2	1	
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E											E
D											D
C											C
B											B

MOLD COVER	51237-1205	2	51237-2005	2	51237-3005	2
CROSS RECESSED HEAD SCREW	58203-0020	2	58203-0020	2	58203-0021	2
CABLE CLAMP	56382-1200	1	56382-2000	1	56382-3000	1
SHELL COVER	56385-1228	1	56385-2028	1	56385-3028	1
SHELL BODY	56384-1228	1	56384-2028	1	56384-3028	1
RECEPTACLE SHELL	56377-1202	1	56377-2002	1	56377-3002	1
REC. PIN HS'G ASS'Y	51233-1213	1	51233-2013	1	51233-3013	1
部品名称 PART NAME	部品型番 PART NO.	数量 QUAN.	部品型番 PART NO.	数量 QUAN.	部品型番 PART NO.	数量 QUAN.
極数 CIRCUIT	12		20		30	
セット型番 SET NO.	55837-1272		55837-2072		55837-3072	
タイプ TYPE	B TYPE					

A	RELEASED EC NO: J2007-2693 DFWN:YA0YAGI 2007/03/29 CHKDKTOYODA 2007/03/30 APPR:NUKITA 2007/04/03	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
			10 UNDER	±---	DRAWN BY Y.A0YAGI	DATE 2007/03/27	TITLE COMPACT ROBOT CONN. W/W TYPE PIN SET			
			10 OVER 30 UNDER	±---	CHECKED BY K.TOYODA	DATE 2007/03/29				
			30 OVER	±---	APPROVED BY N.UKITA	DATE 2007/03/29	 MOLEX INCORPORATED			
			ANGULAR	±--- °	MATERIAL NO.	DOCUMENT NO.				SHEET NO.
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE		SD-55837-006			3 OF 5	
			0	REV	SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

MOLD COVER	51237-1205	2	51237-2005	2	51237-3005	2
CROSS RECESSED HEAD SCREW	58203-0020	2	58203-0020	2	58203-0021	2
CABLE CLAMP	56382-1200	1	56382-2000	1	56382-3000	1
SHELL COVER	56385-1228	1	56385-2028	1	56385-3028	1
SHELL BODY	56384-1228	1	56384-2028	1	56384-3028	1
RECEPTACLE SHELL	56377-1202	1	56377-2002	1	56377-3002	1
REC. PIN HS'G ASS'Y	51233-1214	1	51233-2014	1	51233-3014	1
部品名称 PART NAME	部品型番 PART NO.	数量 QUAN.	部品型番 PART NO.	数量 QUAN.	部品型番 PART NO.	数量 QUAN.
極数 CIRCUIT	12		20		30	
セット型番 SET NO.	55837-1273		55837-2073		55837-3073	
タイプ TYPE	C TYPE					

RELEASED EC NO: J2007-2693 DRWN: YAOYAGI CHKD: K TOYODA APPR: NUKITA	2007/03/29 2007/03/30 2007/04/03	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
			10 UNDER	± ---	DRAWN BY Y. AOYAGI	DATE 2007/03/27	TITLE COMPACT ROBOT CONN. W/W TYPE PIN SET		
			10 OVER 30 UNDER	± ---	CHECKED BY K. TOYODA	DATE 2007/03/29			
			30 OVER	± ---	APPROVED BY N. UKITA	DATE 2007/03/29			
	REV	0	ANGULAR	± --- °	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-55837-006		SHEET NO. 4 OF 5
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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D											D
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B											B
A											A

MOLD COVER	51237-1205	2	51237-2005	2	51237-3005	2
CROSS RECESSED HEAD SCREW	58203-0020	2	58203-0020	2	58203-0021	2
CABLE CLAMP	56382-1200	1	56382-2000	1	56382-3000	1
SHELL COVER	56385-1228	1	56385-2028	1	56385-3028	1
SHELL BODY	56384-1228	1	56384-2028	1	56384-3028	1
RECEPTACLE SHELL	56377-1202	1	56377-2002	1	56377-3002	1
REC. PIN HS'G ASS'Y	51233-1215	1	51233-2015	1	51233-3015	1
部品名称 PART NAME	部品型番 PART NO.	数量 QUAN.	部品型番 PART NO.	数量 QUAN.	部品型番 PART NO.	数量 QUAN.
極数 CIRCUIT	12		20		30	
セット型番 SET NO.	55837-1274		55837-2074		55837-3074	
タイプ TYPE	D TYPE					

RELEASED EC NO: J2007-2693 DRAWN:YA0YAGI 2007/03/29 CHKD:KTOYODA 2007/03/30 APPR:NUKITA 2007/04/03 REV 0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	± ---	DRAWN BY Y.A0YAGI	DATE 2007/03/27	TITLE COMPACT ROBOT CONN. W/W TYPE PIN SET		
		10 OVER 30 UNDER	± ---	CHECKED BY K.T0YODA	DATE 2007/03/29			
		30 OVER	± ---	APPROVED BY N.UKITA	DATE 2007/03/29	MOLEX INCORPORATED		
		ANGULAR ± --- °	MATERIAL NO.		DOCUMENT NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-55837-006		5 OF 5
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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C											C
B											B
A											A

MOLD COVER	51237-1205	2	51237-2005	2	51237-3005	2
CROSS RECESSED HEAD SCREW	58203-0020	2	58203-0020	2	58203-0021	2
CABLE CLAMP	56382-1200	1	56382-2000	1	56382-3000	1
SHELL COVER	56385-1228	1	56385-2028	1	56385-3028	1
SHELL BODY	56384-1228	1	56384-2028	1	56384-3028	1
RECEPTACLE SHELL	56377-1202	1	56377-2002	1	56377-3002	1
REC. PIN HS'G ASS'Y	51233-1215	1	51233-2015	1	51233-3015	1
部品名称 PART NAME	部品型番 PART NO.	数量 QUAN.	部品型番 PART NO.	数量 QUAN.	部品型番 PART NO.	数量 QUAN.
極数 CIRCUIT	12		20		30	
セット型番 SET NO.	55837-1274		55837-2074		55837-3074	
タイプ TYPE	D TYPE					

RELEASED EC NO: J2007-2693 DRAWN:YA0YAGI 2007/03/29 CHKD:KTOYODA 2007/03/30 APPR:NUKITA 2007/04/03 REV 0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	± ---	DRAWN BY Y.A0YAGI	DATE 2007/03/27	TITLE COMPACT ROBOT CONN. W/W TYPE PIN SET		
		10 OVER 30 UNDER	± ---	CHECKED BY K.T0YODA	DATE 2007/03/29			
		30 OVER	± ---	APPROVED BY N.UKITA	DATE 2007/03/29	MOLEX INCORPORATED		
		ANGULAR ± --- °	MATERIAL NO.		DOCUMENT NO.			
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