

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**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

**Documents:**

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

**General**

Product Family	I/O Connectors
Series	<a href="#">55837</a>
Application	Wire-to-Wire
Component Type	Kit
Overview	<a href="#">crc compact robotic connectors</a>
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



image - Reference only

**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](mailto: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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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	51233-1211	1	51233-2011	1	51233-3011	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.	55837-1270		55837-2070		55837-3070	
タイプ TYPE	STANDARD TYPE					

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.

NOTES.

- ELV及びRoHS適合品。  
ELV AND RoHS COMPLIANT.
- 本製品は 55837-\*\*\*0\* の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE VERSION OF 55837-\*\*\*0\*.

RELEASED EC NO: J2007-2693 DRWN: AOYAGI 2007/03/29 CHKDK: TOYODA 2007/03/30 APPR: NUKITA 2007/04/03	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	MOLEX INCORPORATED	
	30 OVER ± ---	APPROVED BY N. UKITA	DATE 2007/03/29	DOCUMENT NO. SD-55837-006	SHEET NO. 1 OF 5
0	ANGULAR ± --- °	MATERIAL NO.	SEE TABLE		
	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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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: AOYAGI 2007/03/29 CHKD: TOYODA 2007/03/30 APPR: NUKITA 2007/04/03	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	MOLEX INCORPORATED	
	30 OVER ±---	APPROVED BY N. UKITA	DATE 2007/03/29	DOCUMENT NO. SD-55837-006	SHEET NO. 2 OF 5
	ANGULAR ±--- °	MATERIAL NO.	SEE TABLE		
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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					

RELEASED EC NO: J2007-2693 DRWN: AOYAGI 2007/03/29 CHKD: TOYODA 2007/03/30 APPR: NUKITA 2007/04/03	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 DOCUMENT NO. SD-55837-006 SHEET NO. 3 OF 5			
	ANGULAR	± --- °	MATERIAL NO.		SEE TABLE				
0	REV	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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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: AOYAGI 2007/03/29 CHKD: TOYODA 2007/03/30 APPR: NUKITA 2007/04/03	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 DOCUMENT NO. SD-55837-006 SHEET NO. 4 OF 5			
	ANGULAR	± --- °	MATERIAL NO.		SEE TABLE				
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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 DRWN: AOYAGI 2007/03/29 CHKD: TOYODA 2007/03/30 APPR: NUKITA 2007/04/03	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
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	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			