

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

**Part Number:** [054333072](#)  
**Status:** **Active**  
**Overview:** [crc compact robotic connectors](#)  
**Description:** CRC™ Shielded Rectangular I/O Receptacle Assembly Set, Wire-to-Wire, Female Terminal, Signal, 30 Circuits, Polarization Type B, 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="#">54333</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)	30
Circuits (maximum)	30
Color - Resin	Black, Gray
Durability (mating cycles max)	100
Gender	Socket
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	6
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)	0.118 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	7A
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-54333-006



*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**  
[54333Series](#)

**Mates With**  
[55836-3072](#) 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. SOCKET HS'G ASS'Y	51238-1211	1	51238-2011	1	51238-3011	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.	54333-1270		54333-2070		54333-3070	
タイプ TYPE	STANDARD TYPE					

注記  
NOTES

1. 本製品は 54333-\*\*0\* の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 54333-\*\*0\*.
2. ELV 及び RoHS適合品  
ELV AND RoHS COMPLIANT.

	54333-3074	
	54333-2074	54333-**74
	54333-1274	
	54333-3073	
	54333-2073	54333-**73
	54333-1273	
	54333-3072	
	54333-2072	54333-**72
	54333-1272	
	54333-3071	
	54333-2071	54333-**71
	54333-1271	
	54333-3070	
	54333-2070	54333-**70
	54333-1270	
R	MATERIAL NO.	MODEL NO.

RELEASED EC NO: J2008-1429 DRW: MABE1 2007/10/22 CHKD: HARUYAMA 2007/10/22 APPR: NUKITA 2007/10/22	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	10 UNDER	±0.2	DRAWN BY M. NABE I	DATE '07/10/19	TITLE COMPACT ROBOT CONN. W/W TYPE SOCKET SET		
	10 OVER 30 UNDER	±0.25	CHECKED BY T. HARUYAMA	DATE '07/10/19			
	30 OVER	±0.3	APPROVED BY N. UKITA	DATE '07/10/19	MOLEX INCORPORATED		
	ANGULAR	±3 °	MATERIAL NO.	DOCUMENT NO.			
0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE		SD-54333-006		1 OF 5	

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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. SOCKET HS'G ASS'Y	51238-1212	1	51238-2012	1	51238-3012	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.	54333-1271		54333-2071		54333-3071	
タイプ TYPE	A TYPE					

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RELEASED EC NO: J2008-1429 DRW: NABE1 2007/10/22 CHKD: HARUYAMA 2007/10/22 APPR: NUKITA 2007/10/22	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
	10 UNDER	±0.2	DRAWN BY M. NABE1		DATE '07/10/19		TITLE COMPACT ROBOT CONN. W/W TYPE SOCKET SET		
	10 OVER 30 UNDER	±0.25	CHECKED BY T. HARUYAMA		DATE '07/10/19				
	30 OVER	±0.3	APPROVED BY N. UKITA		DATE '07/10/19		MOLEX INCORPORATED		
	ANGULAR	±3 °	MATERIAL NO.		DOCUMENT NO.				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-54333-006		2 OF 5			

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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. SOCKET HS'G ASS'Y	51238-1213	1	51238-2013	1	51238-3013	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.	54333-1272		54333-2072		54333-3072	
タイプ TYPE	B TYPE					

RELEASED EC NO: J2008-1429 DRW: NABE1 2007/10/22 CHKD: HARUYAMA 2007/10/22 APPR: NUKITA 2007/10/22	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
	10 UNDER	±0.2	DRAWN BY M. NABE1		DATE '07/10/19		TITLE COMPACT ROBOT CONN. W/W TYPE SOCKET SET		
	10 OVER 30 UNDER	±0.25	CHECKED BY T. HARUYAMA		DATE '07/10/19				
	30 OVER	±0.3	APPROVED BY N. UKITA		DATE '07/10/19		MOLEX INCORPORATED		
	ANGULAR	±3 °	MATERIAL NO.		DOCUMENT NO.				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE SHEET 1		SD-54333-006		3 OF 5		

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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. SOCKET HS'G ASS'Y	51238-1214	1	51238-2014	1	51238-3014	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.	54333-1273		54333-2073		54333-3073	
タイプ TYPE	C TYPE					

RELEASED EC NO: J2008-1429 DRWN: NABE1 2007/10/22 CHKD: HARUYAMA 2007/10/22 APPR: NUKITA 2007/10/22	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
	10 UNDER	±0.2	DRAWN BY M. NABE1		DATE '07/10/19		TITLE COMPACT ROBOT CONN. W/W TYPE SOCKET SET		
	10 OVER 30 UNDER	±0.25	CHECKED BY T. HARUYAMA		DATE '07/10/19				
	30 OVER	±0.3	APPROVED BY N. UKITA		DATE '07/10/19		MOLEX INCORPORATED		
	ANGULAR	±3 °	MATERIAL NO.		DOCUMENT NO.				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE SHEET 1		SD-54333-006		4 OF 5		

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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. SOCKET HS'G ASS'Y	51238-1215	1	51238-2015	1	51238-3015	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.	54333-1274		54333-2074		54333-3074	
タイプ TYPE	D TYPE					

RELEASED EC NO: J2008-1429 DRW: NABE1 2007/10/22 CHKD: HARUYAMA 2007/10/22 APPR: NUKITA 2007/10/22 REV 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
	10 UNDER	±0.2	DRAWN BY M. NABE1		DATE '07/10/19	TITLE COMPACT ROBOT CONN. W/W TYPE SOCKET SET			
	10 OVER 30 UNDER	±0.25	CHECKED BY T. HARUYAMA		DATE '07/10/19				
	30 OVER	±0.3	APPROVED BY N. UKITA		DATE '07/10/19	MOLEX INCORPORATED DOCUMENT NO. SD-54333-006 SHEET NO. 5 OF 5			
	ANGULAR ±3 °		MATERIAL NO.						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE SHEET 1						