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Part Number: [0543333071](#)
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 A, 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	54333
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)	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

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
[54333Series](#)

Mates With
[55836-3071](#) CRC™ Shielded Rectangular I/O Plug Assembly Set

This document was generated on 05/19/2010

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	10	9	8	7	6	5	4	3	2	1	
F											F
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. 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					

A	RELEASED EC NO: J2008-1429 DRAWN: MABEI CH'KD: THARUYAMA APPR: NUKITA	2007/10/22 2007/10/22 2007/10/22	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	COMPACT ROBOT CONN. W/W TYPE SOCKET SET MOLEX INCORPORATED SEE SHEET 1 SD-54333-006 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	A
				10 UNDER	±0.2	DRAWN BY M. NABEI	DATE '07/10/19	TITLE				
				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					
				ANGULAR ±3 °	MATERIAL NO.	DOCUMENT NO.	SHEET NO.					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE A3			2 OF 5				

	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. 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					

A	RELEASED EC NO: J2008-1429 DRAWN: MABEI CHKD: THARUYAMA APPR: NUKITA 2007/10/22 2007/10/22 2007/10/22	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	A
			10 UNDER	± 0.2	DRAWN BY M. NABEI	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.		SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-54333-006		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					

	10	9	8	7	6	5	4	3	2	1	
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E											E
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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. 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					

A	RELEASED EC NO: J2008-1429 DRAWN: MABEI CHKD: THARUYAMA APPR: NUKITA 2007/10/22 2007/10/22 2007/10/22	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	A
			10 UNDER	± 0.2	DRAWN BY M. NABEI	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.		SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-54333-006		4 OF 5	
			0	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	
F											F
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. 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					

A	RELEASED EC NO: J2008-1429 DRWN: MABEI CHKD: THARUYAMA APPR: NUKITA 0	2007/10/22 2007/10/22 2007/10/22	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	A
				10 UNDER	± 0.2	DRAWN BY M. NABEI	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.		SHEET NO.	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-54333-006		5 OF 5	
						SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			