

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

**Part Number:** [0543323070](#)  
**Status:** **Active**  
**Description:** CRC™ Shielded Rectangular I/O Plug Assembly Set, Female Terminal, Signal, 30 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="#">54332</a>
Application	Wire-to-Wire
Component Type	Kit
Product Name	CRC™
Type	N/A

**Physical**

Boot Color	N/A
Circuits (Loaded)	N/A
Circuits (maximum)	30
Color - Resin	Black, Gray
Gender	Plug
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze, Stainless Steel
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polycarbonate, Polyester
Number of Rows	4
Orientation	Vertical
PCB Locator	No
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
Polarized to PCB	No
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	2A, 3A, 4A, 5A, 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-54332-006



*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**  
[54332Series](#)

**Mates With**  
[51233-3010](#) receptacle housing,  
[55837-3000](#) receptacle assembly set,  
[55838-3000](#) receptacle assembly set

This document was generated on 04/19/2010

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

PLUG MOLD COVER B	51236-1205	1	51236-2005	1	51236-3005	1
PLUG MOLD COVER A	51235-1215	1	51235-2015	1	51235-3015	1
CROSS RECESSED HEAD SCREW	58203-0020	2	58203-0020	2	58203-0021	2
CABLE CLAMP	56382-1200	1	56382-2000	1	56382-3000	1
PLUG SHELL COVER	56381-1228	1	56381-2028	1	56381-3028	1
PLUG SHELL BODY	56380-1228	1	56380-2028	1	56380-3028	1
PLUG SOCKET HS'G	51239-1201	1	51239-2001	1	51239-3001	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.	54332-1270		54332-2070		54332-3070	
タイプ TYPE	STANDARD TYPE					

54332-3074	54332-**74
54332-2074	
54332-1274	
54332-3073	54332-**73
54332-2073	
54332-1273	
54332-3072	54332-**72
54332-2072	
54332-1272	
54332-3071	54332-**71
54332-2071	
54332-1271	
54332-3070	54332-**70
54332-2070	
54332-1270	
MATERIAL NO.	MODEL NO.

注記  
NOTES

- 本製品は 54332-\*\*0\* の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 54332-\*\*0\*.

RELEASED EC NO: J2006-1776 DRWN: NABE1 2005/11/30 CHKDK: TOYODA 2005/12/01 APPR: NUKITA 2005/12/06 REV: 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	10 UNDER	±0.2	DRAWN BY DATE M. NABE1 '05/11/28		TITLE COMPACT ROBOT CONN. PLUG SOCKET SET -LEAD FREE-			
	10 OVER 30 UNDER	±0.25	CHECKED BY DATE K. TOYODA '05/11/28		MOLEX INCORPORATED DOCUMENT NO. SD-54332-006 SHEET NO. 1 OF 5			
	30 OVER	±0.3	APPROVED BY DATE N. UKITA '05/11/28					
	ANGULAR	±3 °	MATERIAL NO. SEE CHART					
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				

F

E

D

C

B

A

PLUG MOLD COVER B	51236-1205	1	51236-2005	1	51236-3005	1
PLUG MOLD COVER A	51235-1215	1	51235-2015	1	51235-3015	1
CROSS RECESSED HEAD SCREW	58203-0020	2	58203-0020	2	58203-0021	2
CABLE CLAMP	56382-1200	1	56382-2000	1	56382-3000	1
PLUG SHELL COVER	56381-1228	1	56381-2028	1	56381-3028	1
PLUG SHELL BODY	56380-1228	1	56380-2028	1	56380-3028	1
PLUG SOCKET HS'G	51239-1202	1	51239-2002	1	51239-3002	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.	54332-1271		54332-2071		54332-3071	
タイプ TYPE	A TYPE					

F


E

D

C

B

A

RELEASED EC NO: J2006-1776 DRWN: M.NABE 2005/11/30 CHKD: K.TOYODA 2005/12/01 APPR: N.UKITA 2005/12/06	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 '05/11/28	TITLE COMPACT ROBOT CONN. PLUG SOCKET SET -LEAD FREE-			
	10 OVER 30 UNDER	±0.25	CHECKED BY K.TOYODA		DATE '05/11/28				
	30 OVER	±0.3	APPROVED BY N.UKITA		DATE '05/11/28	 MOLEX INCORPORATED			
	ANGULAR	±3 °	MATERIAL NO.		DOCUMENT NO.				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54332-006		2 OF 5			
0		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

F

E


D

C

B

A

PLUG MOLD COVER B	51236-1205	1	51236-2005	1	51236-3005	1
PLUG MOLD COVER A	51235-1215	1	51235-2015	1	51235-3015	1
CROSS RECESSED HEAD SCREW	58203-0020	2	58203-0020	2	58203-0021	2
CABLE CLAMP	56382-1200	1	56382-2000	1	56382-3000	1
PLUG SHELL COVER	56381-1228	1	56381-2028	1	56381-3028	1
PLUG SHELL BODY	56380-1228	1	56380-2028	1	56380-3028	1
PLUG SOCKET HS'G	51239-1203	1	51239-2003	1	51239-3003	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.	54332-1272		54332-2072		54332-3072	
タイプ TYPE	B TYPE					

RELEASED EC NO: J2006-1776 DRWN: MABE1 2005/11/30 CHKDK: TOYODA 2005/12/01 APPR: NUKITA 2005/12/06	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
	10 UNDER	±0.25	DRAWN BY M. NABE I		DATE '05/11/28	TITLE COMPACT ROBOT CONN. PLUG SOCKET SET -LEAD FREE-			
	10 OVER 30 UNDER	±0.25	CHECKED BY K. TOYODA		DATE '05/11/28				
	30 OVER	±0.3	APPROVED BY N. UKITA		DATE '05/11/28	 MOLEX INCORPORATED			
	ANGULAR	±3 °	MATERIAL NO.		DOCUMENT NO.				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54332-006		3 OF 5			
0		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

F

E

D

C

B

A

PLUG MOLD COVER B	51236-1205	1	51236-2005	1	51236-3005	1
PLUG MOLD COVER A	51235-1215	1	51235-2015	1	51235-3015	1
CROSS RECESSED HEAD SCREW	58203-0020	2	58203-0020	2	58203-0021	2
CABLE CLAMP	56382-1200	1	56382-2000	1	56382-3000	1
PLUG SHELL COVER	56381-1228	1	56381-2028	1	56381-3028	1
PLUG SHELL BODY	56380-1228	1	56380-2028	1	56380-3028	1
PLUG SOCKET HS'G	51239-1204	1	51239-2004	1	51239-3004	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.	54332-1273		54332-2073		54332-3073	
タイプ TYPE	C TYPE					

F


E

D

C

B

A

RELEASED EC NO: J2006-1776 DRW: M.NABE 2005/11/30 CHK: K.TOYODA 2005/12/01 APP: N.UKITA 2005/12/06	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 '05/11/28		TITLE COMPACT ROBOT CONN. PLUG SOCKET SET -LEAD FREE-		
	10 OVER 30 UNDER	±0.25	CHECKED BY K.TOYODA		DATE '05/11/28				
	30 OVER	±0.3	APPROVED BY N.UKITA		DATE '05/11/28		 MOLEX INCORPORATED		
	ANGULAR	±3 °	MATERIAL NO.		DOCUMENT NO.				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54332-006		4 OF 5			
0		A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

F

E

D

C

B

A

PLUG MOLD COVER B	51236-1205	1	51236-2005	1	51236-3005	1
PLUG MOLD COVER A	51235-1215	1	51235-2015	1	51235-3015	1
CROSS RECESSED HEAD SCREW	58203-0020	2	58203-0020	2	58203-0021	2
CABLE CLAMP	56382-1200	1	56382-2000	1	56382-3000	1
PLUG SHELL COVER	56381-1228	1	56381-2028	1	56381-3028	1
PLUG SHELL BODY	56380-1228	1	56380-2028	1	56380-3028	1
PLUG SOCKET HS'G	51239-1205	1	51239-2005	1	51239-3005	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.	54332-1274		54332-2074		54332-3074	
タイプ TYPE	D TYPE					

F

E

D

C

B

A

RELEASED EC NO: J2006-1776 DRWN: MABE1 2005/11/30 CHKDK: TOYODA 2005/12/01 APPR: NUKITA 2005/12/06	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 '05/11/28		TITLE COMPACT ROBOT CONN. PLUG SOCKET SET -LEAD FREE-		
	10 OVER 30 UNDER	±0.25	CHECKED BY K. TOYODA		DATE '05/11/28				
	30 OVER	±0.3	APPROVED BY N. UKITA		DATE '05/11/28		MOLEX INCORPORATED		
	ANGULAR	±3 °	MATERIAL NO.		DOCUMENT NO.				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54332-006		5 OF 5			
SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									