

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

**Part Number:** [0543322070](#)  
**Status:** **Active**  
**Description:** CRC™ Shielded Rectangular I/O Plug Assembly Set, Female Terminal, Signal, 20 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)	20
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**  
[51233-2010](#) receptacle housing,  
[55837-2000](#) receptacle assembly set,  
[55838-2000](#) receptacle assembly set

This document was generated on 04/02/2010

**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 M. NABE1		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		1 OF 5		

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					

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. NABE1		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			

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					

F


E

D

C

B

A

RELEASED EC NO: J2006-1776 DRWN: M. NABEI 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	±0.25	DRAWN BY M. NABEI		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			

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		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	51239-1205	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					

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		5 OF 5			