

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0543332071](#)
Status: **Active**
Description: CRC™ Shielded Rectangular I/O Receptacle Assembly Set, Wire-to-Wire, Female Terminal, Signal, 20 Circuits, Polarization Type A, Lead-Free

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 |
| Product Name | CRC™ |
| Type | N/A |

Physical

| | |
|--------------------------------|--------------------------|
| Boot Color | N/A |
| Circuits (Loaded) | N/A |
| Circuits (maximum) | 20 |
| Color - Resin | Black, Gray |
| Gender | Female |
| 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 | 5 |
| 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 |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -40°C to +105°C |
| Termination Interface: Style | N/A |
| Waterproof / Dustproof | No |

Electrical

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|-------------------------------|------------------|
| 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
[55836-2071 Plug Male Set](#)

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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. |

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|--|---------------------------------------|--|----------------------------|-------------------|--|------------------------|------------------------|
| RELEASED EC NO: J2008-1429 DRW: NABEI 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. 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. | | | |
| 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. 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 | | | | | |

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| 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. 3 OF 5 | | |
| | ANGULAR ±3 ° | | MATERIAL NO. | | SEE SHEET 1 | | | | |
| 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. 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 | | | | | |

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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 | | 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 | | | | | |

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|---|---------------------------------------|-------------|----------------------------|--------------|-------------------|---|------------------------|--|--|
| 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 | | 5 OF 5 | | | |