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Part Number: [0558362070](#)
Status: **Active**
Description: CRC™ Shielded Rectangular I/O Plug Assembly Set, Male 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 | 55836 |
| Application | Wire-to-Wire |
| Component Type | Kit |
| Product Name | CRC™ |
| Type | N/A |

Physical

| | |
|--------------------------------|----------------------------------|
| Boot Color | N/A |
| Circuits (Loaded) | 20 |
| Circuits (maximum) | 20 |
| Color - Resin | Black, Gray |
| Durability (mating cycles max) | 100 |
| 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 | 5 |
| 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 |
| Polarized to Mating Part | Yes |
| Polarized to PCB | N/A |
| Ports | 1 |
| Surface Mount Compatible (SMC) | N/A |
| Temperature Range - Operating | -40°C to +105°C |
| Termination Interface: Style | Crimp or Compression |
| Waterproof / Dustproof | No |

Electrical

| | |
|-------------------------------|------------------|
| Current - Maximum per Contact | 3.5A |
| 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-55836-006 |



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
 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
[55836Series](#)

Mates With
[54333-2070](#) receptacle assembly set,
[54334-2070](#) receptacle assembly set panel mount

This document was generated on 04/05/2010

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|---------------------------|------------------|-------------|------------------|-------------|------------------|-------------|
| 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 PIN HS'G | 51234-1201 | 1 | 51234-2001 | 1 | 51234-3001 | 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. | 55836-1270 | | 55836-2070 | | 55836-3070 | |
| タイプ TYPE | STANDARD TYPE | | | | | |

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|--------------|------------|
| 55836-3074 | 55836-xx74 |
| 55836-2074 | |
| 55836-1274 | |
| 55836-3073 | 55836-xx73 |
| 55836-2073 | |
| 55836-1273 | |
| 55836-3072 | 55836-xx72 |
| 55836-2072 | |
| 55836-1272 | |
| 55836-3071 | 55836-xx71 |
| 55836-2071 | |
| 55836-1271 | |
| 55836-3070 | 55836-xx70 |
| 55836-2070 | |
| 55836-1270 | |
| MATERIAL NO. | MODEL NO. |

注記
NOTES

- 本製品は 55836-xx0* の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 55836-xx0*.

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|--|---------------------------------------|-------|----------------------------|--|-------------------|---|------------------------|--|--|
| RELEASED EC NO: J2006-1791 DRWN: MABE1 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 '05/11/29 | TITLE COMPACT ROBOT CONN. PLUG PIN SET -LEAD FREE- | | | |
| | 10 OVER 30 UNDER | ±0.25 | CHECKED BY K. TOYODA | | DATE '05/11/29 | | | | |
| | 30 OVER | ±0.3 | APPROVED BY N. UKITA | | DATE '05/11/29 | MOLEX INCORPORATED | | | |
| | ANGULAR | ±3 ° | MATERIAL NO. | | DOCUMENT NO. | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | SEE CHART | | SD-55836-006 | | 1 OF 5 | | |

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|---------------------------|------------------|-------------|------------------|-------------|------------------|-------------|
| 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 PIN HS'G | 51234-1202 | 1 | 51234-2002 | 1 | 51234-3002 | 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. | 55836-1271 | | 55836-2071 | | 55836-3071 | |
| タイプ TYPE | A TYPE | | | | | |

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| RELEASED EC NO: J2006-1791 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 '05/11/29 | TITLE COMPACT ROBOT CONN. PLUG PIN SET -LEAD FREE- | | | |
| | 10 OVER 30 UNDER | ±0.25 | CHECKED BY K.TOYODA | | DATE '05/11/29 | | | | |
| | 30 OVER | ±0.3 | APPROVED BY N.UKITA | | DATE '05/11/29 | MOLEX INCORPORATED DOCUMENT NO. SD-55836-006 SHEET NO. 2 OF 5 | | | |
| | ANGULAR | ±3 ° | MATERIAL NO. | | SEE CHART | | | | |
| 0 | 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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| 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 PIN HS'G | 51234-1203 | 1 | 51234-2003 | 1 | 51234-3003 | 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. | 55836-1272 | | 55836-2072 | | 55836-3072 | |
| タイプ TYPE | B TYPE | | | | | |

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| RELEASED EC NO: J2006-1791 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 '05/11/29 | | TITLE COMPACT ROBOT CONN. PLUG PIN SET -LEAD FREE- | | |
| | 10 OVER 30 UNDER | ±0.25 | CHECKED BY K.TOYODA | | DATE '05/11/29 | | | | |
| | 30 OVER | ±0.3 | APPROVED BY N.UKITA | | DATE '05/11/29 | | MOLEX INCORPORATED DOCUMENT NO. SD-55836-006 SHEET NO. 3 OF 5 | | |
| | 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 | | | | | |

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| 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 PIN HS'G | 51234-1204 | 1 | 51234-2004 | 1 | 51234-3004 | 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. | 55836-1273 | | 55836-2073 | | 55836-3073 | |
| タイプ TYPE | C TYPE | | | | | |

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| RELEASED EC NO: J2006-1791 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 '05/11/29 | TITLE COMPACT ROBOT CONN. PLUG PIN SET -LEAD FREE- | | | |
| | 10 OVER 30 UNDER | ±0.25 | CHECKED BY K.TOYODA | | DATE '05/11/29 | | | | |
| | 30 OVER | ±0.3 | APPROVED BY N.UKITA | | DATE '05/11/29 | MOLEX INCORPORATED DOCUMENT NO. SD-55836-006 SHEET NO. 4 OF 5 | | | |
| | 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 | | | | | |

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| 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 PIN HS'G | 51234-1205 | 1 | 51234-2005 | 1 | 51234-3005 | 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. | 55836-1274 | | 55836-2074 | | 55836-3074 | |
| タイプ TYPE | D TYPE | | | | | |

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| RELEASED EC NO: J2006-1791 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 '05/11/29 | TITLE COMPACT ROBOT CONN. PLUG PIN SET -LEAD FREE- | | | |
| | 10 OVER 30 UNDER | ±0.25 | CHECKED BY K.TOYODA | | DATE '05/11/29 | | | | |
| | 30 OVER | ±0.3 | APPROVED BY N.UKITA | | DATE '05/11/29 |  MOLEX INCORPORATED | | | |
| | ANGULAR | ±3 ° | MATERIAL NO. | | DOCUMENT NO. | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE CHART | | SD-55836-006 | | 5 OF 5 | | | |
| 0 | | SIZE A3 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | |