

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

**Part Number:** [0512342001](#)  
**Status:** **Active**  
**Description:** CRC™ Shielded Rectangular I/O Plug Housing, For Plug Assembly, Male Terminal, Signal, 20 Circuits, Polarization Type Standard

**Documents:**  
[Drawing \(PDF\)](#) [Product Specification PS-51238-018 \(PDF\)](#)  
[Product Specification PS-51238-010 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

|     |           |
|-----|-----------|
| CSA | LR19980   |
| TUV | R72081037 |
| UL  | E29179    |

**General**

|                |                       |
|----------------|-----------------------|
| Product Family | I/O Connectors        |
| Series         | <a href="#">51234</a> |
| Application    | N/A                   |
| Component Type | Housing               |
| Product Name   | CRC™                  |
| Type           | N/A                   |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Boot Color                     | N/A             |
| Breakaway                      | No              |
| Circuits (Loaded)              | N/A             |
| Circuits (maximum)             | 20              |
| Color - Resin                  | Black           |
| Durability (mating cycles max) | 100             |
| Flammability                   | 94V-0           |
| Gender                         | Male            |
| Keying to Mating Part          | Yes             |
| Lock to Mating Part            | Yes             |
| Material - Plating Mating      | n/a             |
| Material - Resin               | Polyester       |
| Number of Rows                 | 5               |
| Orientation                    | Vertical        |
| Packaging Type                 | Tray            |
| Panel Mount                    | N/A             |
| 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**

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 1A, 2A, 3.5A, 3A |
| Shield Type                   | Full Shield      |
| Shielded                      | Yes              |
| Voltage - Maximum             | 250V AC (RMS)/DC |

**Material Info**



image - Reference only

Series

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Halogen-Free**  
**Status**  
**Not Halogen-Free**

**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**  
[51234Series](#)

**Mates With**  
[51238](#)

**Use With**  
56116, 56117, 56118 and 56119 male terminal, [56380](#) plug shell body, [56381](#) plug shell cover

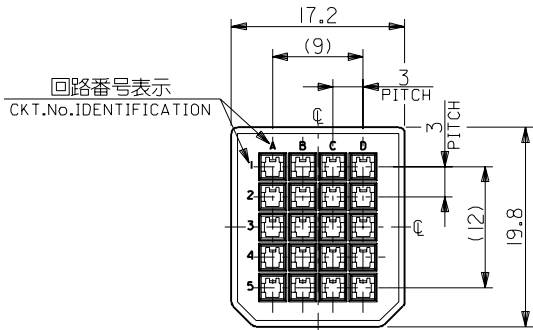
**Reference - Drawing Numbers**

Product Specification  
Sales Drawing

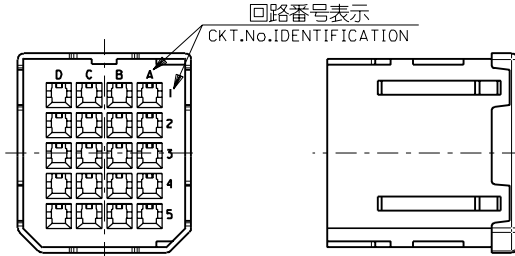
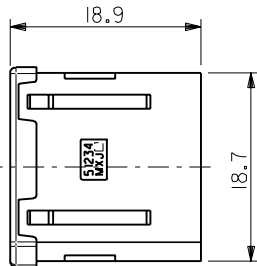
PS-51238-010, PS-51238-018, RPS-51238-001  
SD-51234-005

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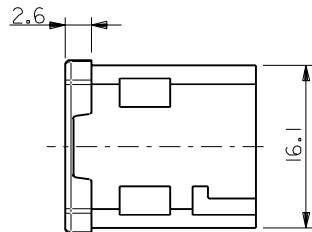
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嵌合側  
MATING SIDE



電線挿入側  
WIRE SIDE



注記  
NOTES

1. 材質  
MATERIAL  
ガラス入りPBT樹脂 UL94V-0 色:黒  
HOUSING : PBT G.F. UL94V-0 COLOR : BLACK
2. 適用端子 : 56116-8\*90 , 56117-8\*90  
56118-8\*90 , 56119-8\*90  
APPLICABLE CRIMP PIN : 56116-8\*90 , 56117-8\*90  
56118-8\*90 , 56119-8\*90
3. 適用シエルボディ : 56380-2000  
APPLICABLE SHELL BODY : 56380-2000
4. 適用シエルカバー : 56381-2000  
APPLICABLE SHELL COVER : 56381-2000
5. 嵌合相手 : 51238-201\*  
MEET WITH : 51238-201\*

<誤嵌合防止キー（極性）タイプ> <POLARITY KEY TYPE>

| 51234-2001    | 51234-2002 | 51234-2003 | 51234-2004 | 51234-2005 |
|---------------|------------|------------|------------|------------|
|               |            |            |            |            |
| STANDARD TYPE | A TYPE     | B TYPE     | C TYPE     | D TYPE     |

|                                 |               |              |            |         |
|---------------------------------|---------------|--------------|------------|---------|
| C-4                             | D             | 51234-2005   | 51234-**0* | 20      |
| C-3                             | C             | 51234-2004   |            |         |
| B-3                             | B             | 51234-2003   |            |         |
| B-2                             | A             | 51234-2002   |            |         |
| —#—                             | STANDARD      | 51234-2001   |            |         |
| POLARITY POSITION (CIRCUIT No.) | POLARITY TYPE | MATERIAL No. | MODEL No.  | CIRCUIT |

|                                   |                                   |                                   |                                                                                                |                                                                                                    |                                                 |                   |                          |                        |                                                                                                                                    |                                                                                                                                                                                                                                                                        |                                                                                                                                                |                               |
|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------|--------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| EC NO.<br>DRWN:<br>CHK'g<br>APPR: | EC NO.<br>DRWN:<br>CHK'g<br>APPR: | EC NO.<br>DRWN:<br>CHK'g<br>APPR: | REVISED 01/10/04<br>EC NO. J2002-0786<br>DRWN: S.AKIYAMA<br>CHK'g: J.MIYAZAWA<br>APPR: Y.O.ITO | RELEASED 01/02/09<br>EC NO. JD2001-1040<br>DRWN: S.AKIYAMA<br>CHK'g: J.MIYAZAWA<br>APPR: H.IKESUGI | DESCRIPTION<br>MATERIAL 材料<br>注記参照<br>SEE NOTES | FINISH 仕上げ<br>—#— | WIRE RANGE 適用電線範囲<br>—#— | INS. RANGE 被覆外径<br>—#— | GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差<br>10 UNDER 未満 ±0.2<br>10 OVER 以上 30 UNDER 未満 ±0.25<br>30 OVER 以上 ±0.3<br>ANGLE 角度 ±3° | SCALE 2-1<br>DESIGN UNITS <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH<br>THIRD ANGLE PROJECTION<br>DRAWN BY & DATE S.Akiyama 01/01/25<br>CHECKED BY & DATE J.Miyazawa / Y.Oto<br>APPROVED BY & DATE [Signature]<br>CAD FILE NAME 51234005.S01 | TITLE: COMPACT ROBOT CONN. (CRC) PLUG PIN HS'G<br>MOLEX INCORPORATED<br>MATERIAL NO. SEE CHART<br>DRAWING NO. SD-51234-005<br>SHEET NO. 1 OF 1 | SHT REV<br>REVISE ON CAD ONLY |
|                                   |                                   |                                   |                                                                                                |                                                                                                    |                                                 |                   |                          |                        |                                                                                                                                    |                                                                                                                                                                                                                                                                        |                                                                                                                                                |                               |