

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

**Part Number:** **0539880619**  
**Status:** **Active**  
**Description:** 2.00mm (.079") Pitch Serial I/O Connector, Receptacle, Wire-to-Wire, Solder Type, 6 Circuits, Lead-free

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-54280-005 \(PDF\)](#)

**General**

Product Family	I/O Connectors
Series	53988
Application	Wire-to-Wire
Component Type	Receptacle
Product Name	N/A
Type	N/A

**Physical**

Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PCB Retention	N/A
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Plating min: Mating (µin)	30.4
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	122
Plating min: Termination (µm)	3.05
Polarized to Mating Part	Yes
Ports	1
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	N/A
Wire Insulation Diameter	2.10mm (.083") max.
Wire Size AWG	16

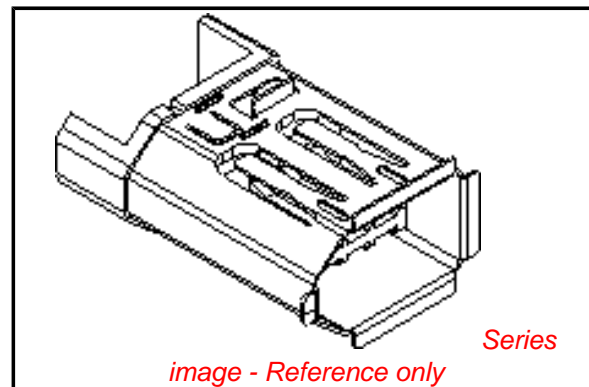
**Electrical**

Current - Maximum per Contact	2A
Shielded	Yes
Voltage - Maximum	125V

**Material Info**

**Reference - Drawing Numbers**

Product Specification	PS-54280-005
Sales Drawing	SD-53988-001



**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**

53988Series

**Mates With**

54180 Plug, [55100](#) Plug Kit

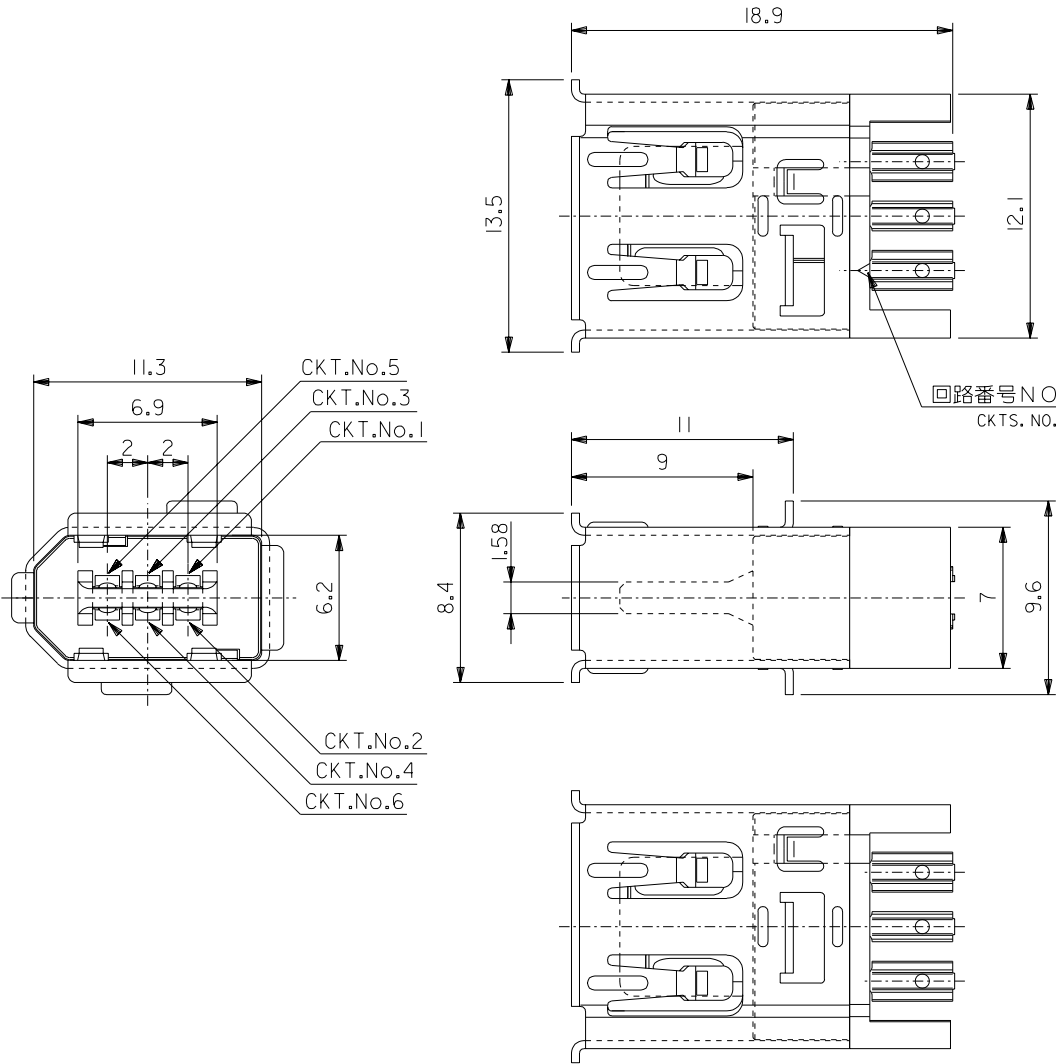
**Use With**

58302 Shell Cover

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DWG. NO. SD-53988-001



- 注)  
 1. 材質  
 MATERIAL  
 ハウジング: ガラス入り耐熱樹脂 UL94V-0 色:黒  
 HOUSING: G.F. HEAT RESISTANT PLASTIC UL94V-0 COLOR: BLACK  
 ピン :りん青銅 t0.3  
 PIN : PHOSPHOR BRONZE t0.3  
 シェル :りん青銅 t0.4  
 SHELL : PHOSPHOR BRONZE t0.4  
 2. ヌッキ仕様  
 PLATING  
 ピン: 接点部:金メッキ0.76µmMIN.  
 CONTACT AREA: GOLD 0.76 MICROMETER MINIMUM.  
 下地メッキ:ニッケルメッキ2.0µmMIN.  
 UNDER-PLATING: NICKEL 2.0 MICROMETER MINIMUM.  
 結線部:錫メッキ1.0µmMIN.  
 WIRE TERMINATION AREA: TIN 1.0 MICROMETER MINIMUM.  
 シェル: 錫メッキ:1.0µmMIN.  
 SHELL: TIN: 1.0 MICROMETER MINIMUM.  
 下地メッキ:ニッケルメッキ1.27µmMIN.  
 UNDER-PLATING: NICKEL 1.27 MICROMETER MINIMUM.  
 3. 適用電線範囲 : AWG# 16MAX.  
 APPLICABLE WIRES: AWG#16 MAX.

4. 被覆外径 : φ2.1mmMAX.  
 INSULATION O.D.: φ2.1mmMAX.  
 5. 適用ソケットシェルカバー : 58302シリーズ  
 APPLICABLE SOCKET SHELL COVER: 58302 SERIES.  
 6. 本製品は53988-0611の鉛フリー品である。  
 THIS PRODUCT IS LEAD FREE OF 53988-0611.

53988-0619  
 MATERIAL NO.

DO NOT SCALE DRAWING

64 NO. DRWN: CH'K: APPR: 63 NO. DRWN: CH'K: APPR: 62 NO. DRWN: CH'K: APPR: 61 NO. DRWN: CH'K: APPR:	新規作成 RELEASED 60 NO. J2004-4340 DRWN: M. NAGATA '04/05/20 CH'K: K. TOJO '04/05/20 APPR: M. SASAO '04/05/20	MATERIAL 材料 注参照 SEE NOTES FINISH 仕上げ 注参照 SEE NOTES WIRE RANGE 適用電線範囲 注参照 SEE NOTES INS. RANGE 被覆外径 注参照 SEE NOTES	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差 10 UNDER 未満 ±0.2 10 OVER 以上 30 UNDER 未満 ±0.25 30 OVER 以上 ±0.3 ANGLE 角度 ±3°	SCALE 4:1 DESIGN UNITS <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH DRAWN BY & DATE M. NAGATA '04/05/20 CHECKED BY & DATE K. TOJO '04/05/20 APPROVED BY & DATE M. SASAO '04/05/20 CAD FILENAME SD-53988-001.S01	MODEL NO. 53988-0619 DIMENSIONS: <input type="checkbox"/> mm <input type="checkbox"/> INCH <input checked="" type="checkbox"/> mm ONLY SHT 1 OF 1 REV TITLE: 2.0 mm PITCH I/O CONN. SOCKET HS'G ASS'Y -LEAD FREE- mox MOLEX INCORPORATED MATERIAL NO. SEE CHART DRAWING NO. SD-53988-001 SHEET NO. 1 OF 1 SIZE B
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