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Part Number:

0014441210

Status:

Active

Overview:

cgrid\_sl\_products

Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Male, Single Row, Version D, Back Ribs, for Wire Size 24, 0.38µm (15µ") Gold (Au), 10 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-70400 (PDF)

RoHS Certificate of Compliance (PDF)

| Agency Certification |                                     |
|----------------------|-------------------------------------|
| CSA                  | LR19980                             |
| UL                   | E29179                              |
| General              |                                     |
| Product Family       | Ribbon Cable / Wire Trap Connectors |
| Series               | 70475                               |
| Comments             | Terminals Preloaded                 |
| Component Type       | Housing                             |
| Glow-Wire Compliant  | No                                  |
| Overview             | cgrid_sl_products                   |
| Product Name         | SL™                                 |

| Physical                       |                             |
|--------------------------------|-----------------------------|
| Circuits (Loaded)              | 10                          |
| Color - Resin                  | Black                       |
| Durability (mating cycles max) | 50                          |
| Entry Angle                    | Vertical                    |
| Flammability                   | 94V-0                       |
| Lock to Mating Part            | None                        |
| Material - Metal               | Phosphor Bronze             |
| Material - Plating Mating      | Gold                        |
| Material - Plating Termination | Tin                         |
| Material - Resin               | Polyester Alloy             |
| Number of Rows                 | 1                           |
| PCB Retention                  | None                        |
| Packaging Type                 | Tube                        |
| Pitch - Mating Interface (in)  | 0.100 In                    |
| Pitch - Mating Interface (mm)  | 2.54 mm                     |
| Plating min: Mating (µin)      | 15                          |
| Plating min: Mating (µm)       | 0.38                        |
| Plating min: Termination (µin) | 75                          |
| Plating min: Termination (µm)  | 1.91                        |
| Polarized to Mating Part       | No                          |
| Stackable                      | Yes                         |
| Surface Mount Compatible (SMC) | N/A                         |
| Temperature Range - Operating  | -40°C to +105°C             |
| Termination Interface: Style   | IDT or Pierce               |
| Wire Insulation Diameter       | 1.35mm (.053") max.         |
| Wire Size AWG                  | 24                          |
| Wire/Cable Type                | Discrete Wire, Ribbon Cable |

| Electrical                    |      |
|-------------------------------|------|
| Current - Maximum per Contact | 3A   |
| Voltage - Maximum             | 250V |

Material Info

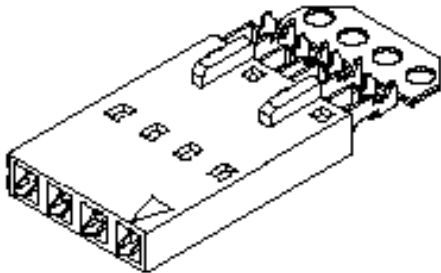


image - Reference only

Series

**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**  
[70475Series](#)

**Mates With**  
[70004](#) Interim Clip (Single Row), [70013](#) Interim Clip (Dual Row)

**Use With**  
[7307](#) Tinned 28AWG, [7767](#) Topcoat 28AWG, [24241](#) Tinned 26AWG, [8996](#) Topcoat 26AWG, [24226](#) Tinned 24AWG, [8997](#) Topcoat 24AWG, [24369](#) High Flex 26AWG, [24389](#) High Flex 24AWG

Old Part Number

A-70475-0604

**Reference - Drawing Numbers**

Product Specification

PS-70400

Sales Drawing

SD-70475-0\*\*\*

This document was generated on 05/20/2010

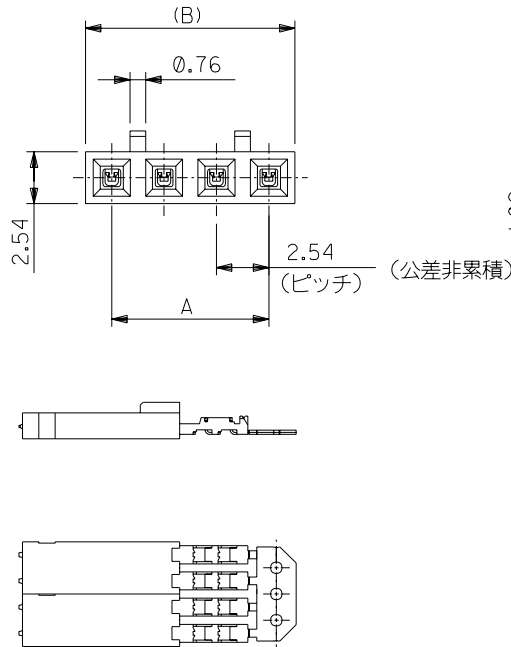
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ENG. NO.  
SD-70475-0\*\*\*

EDP NO. #

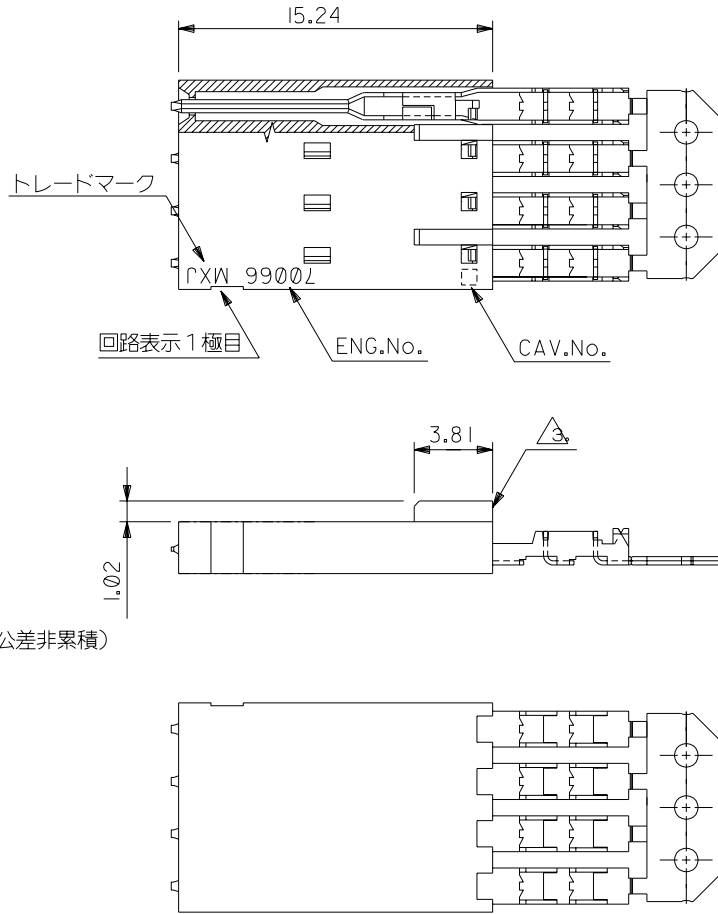
ALL DIMENSIONS IN METRIC DO NOT SCALE DRAWING

## OPTION D



2極の場合

(SCALE:2-1)



注記:

- 材料  
ハウジング: ガラス入りポリエステル UL 94V-0  
ターミナル: 燐青銅
- 仕上げ  
接点部: 金メッキ 0.38  $\mu$ m MIN.  
圧接部: 錫メッキ 1.91  $\mu$ m MIN.  
下地メッキ: ニッケルメッキ 1.27  $\mu$ m MIN.
- 極性リブは、2極の場合1箇所のみとする。
- 適合クリップ: 70104-\*\*\*\*  
70013-\*\*\*\*  
70018-\*\*\*\*  
70022-\*\*\*\*
- ハウジングの色: 黒

|       |       |              |    |
|-------|-------|--------------|----|
| 63.50 | 60.96 | 70475-0619   | 25 |
| 60.96 | 58.42 | -0618        | 24 |
| 58.42 | 55.88 | -0617        | 23 |
| 55.88 | 53.34 | -0616        | 22 |
| 53.34 | 50.80 | -0615        | 21 |
| 50.80 | 48.26 | -0614        | 20 |
| 48.26 | 45.72 | -0613        | 19 |
| 45.72 | 43.18 | -0612        | 18 |
| 43.18 | 40.64 | -0611        | 17 |
| 40.64 | 38.10 | -0610        | 16 |
| 38.10 | 35.56 | -0609        | 15 |
| 35.56 | 33.02 | -0608        | 14 |
| 33.02 | 30.48 | -0607        | 13 |
| 30.48 | 27.94 | -0606        | 12 |
| 27.94 | 25.40 | -0605        | 11 |
| 25.40 | 22.86 | -0604        | 10 |
| 22.86 | 20.32 | -0603        | 9  |
| 20.32 | 17.78 | -0602        | 8  |
| 17.78 | 15.24 | -0601        | 7  |
| 15.24 | 12.70 | -0600        | 6  |
| 12.70 | 10.16 | -0599        | 5  |
| 10.16 | 7.62  | -0598        | 4  |
| 7.62  | 5.08  | -0597        | 3  |
| 5.08  | 2.54  | 70475-0596   | 2  |
| (B)   | A     | MATERIAL No. | 極数 |

|                                |                                               |                                                                                       |  |
|--------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------|--|
| 材料<br>MATERIAL                 |                                               | MOLEX-JAPAN CO.,LTD.<br>日本モレックス株式会社                                                   |  |
| 注記参照                           |                                               | EDP. NO. #                                                                            |  |
| C 変更 (J2004-4519)              | 仕上げ<br>FINISH                                 | 注記参照                                                                                  |  |
| B 変更 (T20159)                  | 適用電線範囲<br>WIRE RANGE AWC#24                   | ENG. NO. SD-70475-0***                                                                |  |
| A 変更 (T90267)                  | 被覆外径<br>INS. RANGE $\phi$ 1.35 MAX.           | REV C                                                                                 |  |
| 0 新規作成 (T80231)                | DRAWN BY 11/17/88 CHK'D BY T.FURUHATA M.SASAO | TITLE 名称 (OPTION D)<br>SL 2.54 SINGLE ROW<br>ASSEMBLY, MALE I.D. CONN.<br>-LEAD FREE- |  |
| 記号 変更内容<br>LTR REVISION RECORD | DR. CHK. 日付<br>DATE                           | APP'D BY S.YAMADA 尺度<br>SCALE 4-1                                                     |  |
| 一般公差<br>GENERAL TOLERANCES     |                                               | REVISE ONLY ON CAD SYSTEM                                                             |  |