

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

**Part Number:** [0015474081](#)  
**Status:** **Active**  
**Overview:** [cgrid\\_sl\\_products](#)  
**Description:** 2.54mm (.100") C-Grid SL™ Single Row, Female, Version C Receptacle, 8 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-70430 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19880  
 UL E29179

**General**

Product Family FFC/FPC Connectors  
 Series [70430](#)  
 Overview [cgrid\\_sl\\_products](#)  
 Product Name SL™

**Physical**

Circuits (Loaded) 8  
 Color - Resin Black  
 Contact Position N/A  
 Durability (mating cycles max) 50  
 Entry Angle Vertical  
 Flammability 94V-0  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin Polyester Alloy  
 Number of Rows 1  
 Orientation Vertical  
 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) 0.375  
 Plating min: Termination (µin) 75  
 Plating min: Termination (µm) 1.875  
 Polarized to PCB No  
 Stackable Yes  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style IDT or Pierce  
 Wire/Cable Type FFC/FPC

**Electrical**

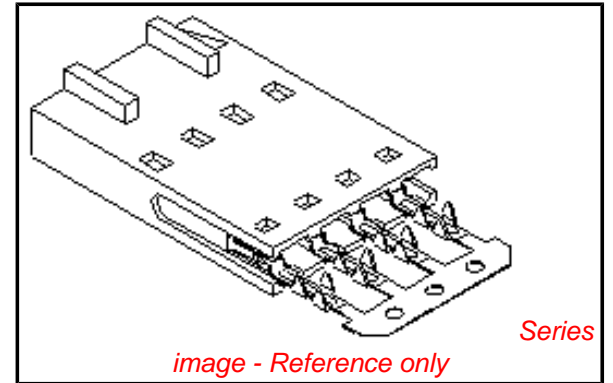
Current - Maximum per Contact 1A, 2A  
 Voltage - Maximum 250V

**Material Info**

Old Part Number 70430-0217

**Reference - Drawing Numbers**

Product Specification PS-70430  
 Sales Drawing SDA-70430-0211-0234



**EU RoHS**

**ELV and RoHS  
 Compliant  
 REACH SVHC  
 Not Reviewed  
 Halogen-Free  
 Status**

**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**

[70430Series](#)

**Mates With**

70544, 70546 straight and 70554, 70556  
 right angle polarized headers

**Application Tooling | FAQ**

*Tooling specifications and manuals are  
 found by selecting the products below.  
 Crimp Height Specifications are then  
 contained in the Application Tooling  
 Specification document.*

**Global**

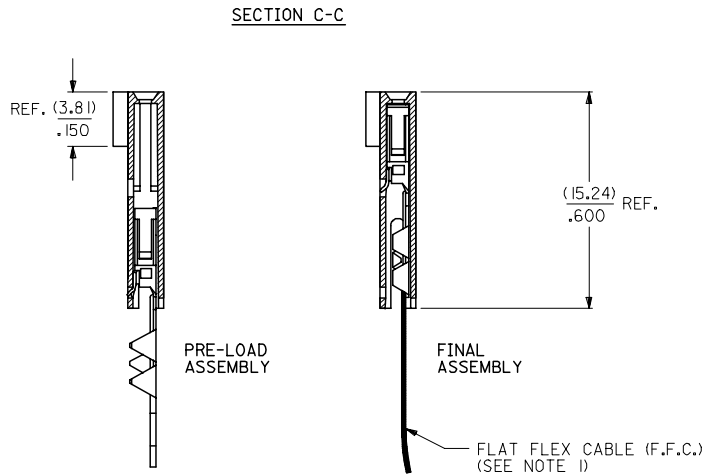
| Description                            | Product #                  |
|--|----------------------------|
| Manual Ribbon Cable Cutter Hand Tool   | <a href="#">0638170100</a> |
| Tool Kit for Standard Manual Press FFC | <a href="#">0622007400</a> |
| Standard Manual Press for FFC          | <a href="#">0622007800</a> |
| TM-42™ FFC and SL™ Termination Kit     | <a href="#">0622018700</a> |

TM-42™ FFC and 0622020800  
SL™ Press and  
Termination Kit for  
110v applications

This document was generated on 05/18/2010

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

"C" - OPTION



NOTES:

- 1) PRE LOADED ASSEMBLY TO BE USED WITH (0.30)/.012 MAX. THICK FLAT FLEX CABLE WITH (1.57)/.062 WIDE COPPER CONDUCTORS ON (2.54)/.100 CENTERS OR, (0.13)/.005 - (0.28)/.011 THICK MYLAR WITH (1.02)/.040 - (1.65)/.065 WIDE SILVER INK CONDUCTORS ON (2.54)/.100 CENTERS.
- 2) STANDARD PACKING PER PK70873-0001 SHALL BE USED.
- 3) SEE CHART FOR CIRCUIT SIZES, 'A' AND 'B' DIMENSIONS.
- 4) TWO (2) CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.
- 5) PART MATES WITH (0.64)/.025 SQ. PINS, (8.13)/.320 TO (5.08)/.200 LONG ON (2.54)/.100 CENTERS.
- 6) REFER TO SDA-70430-\*\*\*\* (SHEET 3) FOR MINOR VARIATIONS TO 'G' OPTION HOUSINGS.
- 7) PARTS CONFORM TO CLASS B OF COSMETIC SPECIFICATION PS-45499-002.

| CKT. SIZE | EDP. NO.    | ENG. NO.   | A                | B                |
|-----------|-------------|------------|------------------|------------------|
| 2         | 015-47-402I | 70430-021I | (2.54)<br>.100   | (5.05)<br>.199   |
| 3         | 015-47-403I | 70430-0212 | (5.08)<br>.200   | (7.59)<br>.299   |
| 4         | 015-47-404I | 70430-0213 | (7.62)<br>.300   | (10.13)<br>.399  |
| 5         | 015-47-405I | 70430-0214 | (10.16)<br>.400  | (12.67)<br>.499  |
| 6         | 015-47-406I | 70430-0215 | (12.70)<br>.500  | (15.21)<br>.599  |
| 7         | 015-47-407I | 70430-0216 | (15.24)<br>.600  | (17.75)<br>.699  |
| 8         | 015-47-408I | 70430-0217 | (17.78)<br>.700  | (20.29)<br>.799  |
| 9         | 015-47-409I | 70430-0218 | (20.32)<br>.800  | (22.83)<br>.899  |
| 10        | 015-47-410I | 70430-0219 | (22.86)<br>.900  | (25.37)<br>.999  |
| 11        | 015-47-411I | 70430-0220 | (25.40)<br>1.000 | (27.91)<br>1.099 |
| 12        | 015-47-412I | 70430-0221 | (27.94)<br>1.100 | (30.45)<br>1.199 |
| 13        | 015-47-413I | 70430-0222 | (30.48)<br>1.200 | (32.99)<br>1.299 |
| 14        | 015-47-414I | 70430-0223 | (33.02)<br>1.300 | (35.53)<br>1.399 |
| 15        | 015-47-415I | 70430-0224 | (35.56)<br>1.400 | (38.07)<br>1.499 |
| 16        | 015-47-416I | 70430-0225 | (38.10)<br>1.500 | (40.61)<br>1.599 |
| 17        | 015-47-417I | 70430-0226 | (40.64)<br>1.600 | (43.15)<br>1.699 |
| 18        | 015-47-418I | 70430-0227 | (43.18)<br>1.700 | (45.69)<br>1.799 |
| 19        | 015-47-419I | 70430-0228 | (45.72)<br>1.800 | (48.23)<br>1.899 |
| 20        | 015-47-420I | 70430-0229 | (48.26)<br>1.900 | (50.77)<br>1.999 |
| 21        | 015-47-421I | 70430-0230 | (50.80)<br>2.000 | (53.31)<br>2.099 |
| 22        | 015-47-422I | 70430-0231 | (53.34)<br>2.100 | (55.85)<br>2.199 |
| 23        | 015-47-423I | 70430-0232 | (55.88)<br>2.200 | (58.39)<br>2.299 |
| 24        | 015-47-424I | 70430-0233 | (58.42)<br>2.300 | (60.93)<br>2.399 |
| 25        | 015-47-425I | 70430-0234 | (60.96)<br>2.400 | (63.47)<br>2.499 |

HOUSING MATERIAL: GLASS FILLED POLYESTER, UL 94V-0.  
 TERMINAL MATERIAL: PHOSPHOR BRONZE.  
 PLATING: 15 GOLD - .000015 MINIMUM GOLD PLATE IN SELECT AREA,  
 .000075 MINIMUM TIN PLATE IN SELECT AREA,  
 .000050 MINIMUM NICKEL PLATE OVERALL.

| CONTACT PLATING | COLOR CODE |
|-----------------|------------|
| TIN             | NONE       |
| 15 GOLD         | YELLOW     |
| 30 GOLD         | RED        |

| ADD TOLERANCE<br>FC NO: UCP2007-2849<br>DRAWN: JORGAN 2007/05/18<br>CHKD: MS BARRA 2007/05/21<br>APPR: SMILLER 2007/05/21 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)   |        | DIMENSION STYLE<br>MM/IN |                           | SCALE<br>4:1 | DESIGN UNITS<br>INCH                | THIRD ANGLE PROJECTION |         |          |        |         |          |        |        |         |        |        |                 |  |                    |  |  |  |  |
|---|-------------------------------|---|--------|--------------------------|---------------------------|--------------|-------------------------------------|------------------------|---------|----------|--------|---------|----------|--------|--------|---------|--------|--------|-----------------|--|--------------------|--|--|--|--|
|   |                               | <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr><td>4 PLACES</td><td>± .010</td><td>± .0004</td></tr> <tr><td>3 PLACES</td><td>± .015</td><td>± .0005</td></tr> <tr><td>2 PLACES</td><td>± 0.25</td><td>± .010</td></tr> <tr><td>1 PLACE</td><td>± 0.38</td><td>± .015</td></tr> </tbody> </table> |        |                          | mm                        | INCH         | 4 PLACES                            | ± .010                 | ± .0004 | 3 PLACES | ± .015 | ± .0005 | 2 PLACES | ± 0.25 | ± .010 | 1 PLACE | ± 0.38 | ± .015 | DRAWN BY<br>RAS |  | DATE<br>1986/07/21 | TITLE<br>ASSEMBLY, CONNECTOR FFC FEMALE SINGLE ROW (2.54)/.100 |  |  |  |
|   |                               |   | mm     | INCH                     |                           |              |                                     |                        |         |          |        |         |          |        |        |         |        |        |                 |  |                    |  |  |  |  |
|   |                               | 4 PLACES  | ± .010 | ± .0004                  |                           |              |                                     |                        |         |          |        |         |          |        |        |         |        |        |                 |  |                    |  |  |  |  |
| 3 PLACES  | ± .015                        | ± .0005   |        |                          |                           |              |                                     |                        |         |          |        |         |          |        |        |         |        |        |                 |  |                    |  |  |  |  |
| 2 PLACES  | ± 0.25                        | ± .010  |        |                          |                           |              |                                     |                        |         |          |        |         |          |        |        |         |        |        |                 |  |                    |  |  |  |  |
| 1 PLACE   | ± 0.38                        | ± .015  |        |                          |                           |              |                                     |                        |         |          |        |         |          |        |        |         |        |        |                 |  |                    |  |  |  |  |
| ANGULAR ±1/2°   |                               | CHECKED BY<br>MJM   |        | DATE<br>1986/07/21       | MOLEX INCORPORATED        |              |                                     |                        |         |          |        |         |          |        |        |         |        |        |                 |  |                    |  |  |  |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |                               | APPROVED BY<br>WAZ  |        | DATE<br>1986/07/21       | MATERIAL NO.<br>SEE TABLE |              | DOCUMENT NO.<br>SDA-70430-0211-0234 | SHEET NO.<br>1 OF 1    |         |          |        |         |          |        |        |         |        |        |                 |  |                    |  |  |  |  |