

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0015474024

Status:

Active

Overview:

cgrid\_sl\_products

Description:

2.54mm (.100") C-Grid SL™ Single Row, Female, Version A Receptacle, 2 Circuits

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| Documents:                    |                                                      |
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-70430 (PDF)</a> |
| <a href="#">Drawing (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a> |

|                                |                    |
|--------------------------------|--------------------|
| Agency Certification           |                    |
| CSA                            | LR19880            |
| UL                             | E29179             |
| General                        |                    |
| Product Family                 | FFC/FPC Connectors |
| Series                         | 70430              |
| Overview                       | cgrid_sl_products  |
| Product Name                   | SL™                |
| Physical                       |                    |
| Circuits (Loaded)              | 2                  |
| 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           |
| PC Tail Length (in)            | 0.130 In           |
| PC Tail Length (mm)            | 3.30 mm            |
| PCB Retention                  | None               |
| PCB Thickness Recommended (in) | 0.062 In, 0.093 In |
| PCB Thickness Recommended (mm) | 1.60 mm, 2.40 mm   |
| Packaging Type                 | Tube               |
| Pitch - Mating Interface (in)  | 0.100 In           |
| Pitch - Mating Interface (mm)  | 2.54 mm            |
| Plating min: Mating (µin)      | 30                 |
| Plating min: Mating (µm)       | 0.75               |
| 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                | A704300351         |

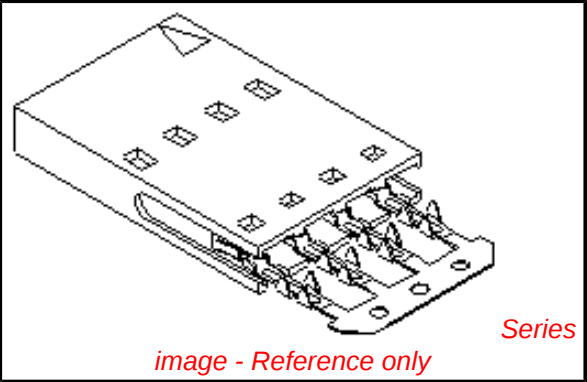


image - Reference only

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](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

2.54mm (.100") pitch, single or dual row,breakaway 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 #                  |
|----------------------------------------|----------------------------|
| Tool Kit for Standard Manual Press FFC | <a href="#">0622007400</a> |
| Standard Manual Press for FFC          | <a href="#">0622007800</a> |

**Reference - Drawing Numbers**

Product Specification  
Sales Drawing

PS-70430  
SDA-70430-0351-0374

This document was generated on 05/18/2010

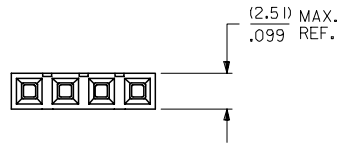
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13 12 11 10 9 8 7 6 5 4 3 2 1

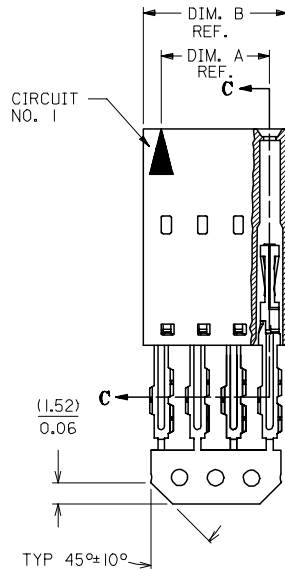
"A" - OPTION

**NOTES:**

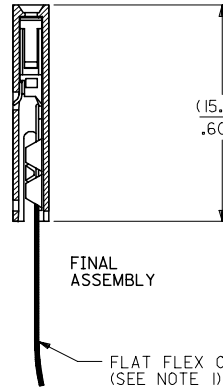
- 1) PRE LOADED ASSEMBLY TO BE USED WITH (0.30)/.012 MAX. THICK FLAT FLEX CABLE WITH (1.57)/.062 WIDE COPPER CONDUCTORS ON (2.54)/.100 CENTERS OR, (0.13)/.005 - (0.28)/.011 THICK MYLAR WITH (1.02)/.040 - (1.65)/.065 WIDE SILVER INK CONDUCTORS ON (2.54)/.100 CENTERS.
- 2) STANDARD PACKING PER PK70873-0001 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.



**SECTION C-C**



PRE-LOAD ASSEMBLY



FINAL ASSEMBLY

FLAT FLEX CABLE (F.F.C.)  
(SEE NOTE 1)

HOUSING MATERIAL: GLASS FILLED POLYESTER, UL 94V-0.

TERMINAL MATERIAL: PHOSPHOR BRONZE.

PLATING: 30 GOLD - .000030 MINIMUM  
              .000075 MINIMUM  
              .000050 MINIMUM

GOLD PLATE IN SELECT AREA,  
TIN PLATE IN SELECT AREA,  
NICKEL PLATE OVER-ALL.

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

| CKT. SIZE | EDP. NO.    | ENG. NO.   | A                | B                |
|-----------|-------------|------------|------------------|------------------|
| 2         | 015-47-4024 | 70430-0351 | (2.54)<br>.100   | (5.05)<br>.199   |
| 3         | 015-47-4034 | 70430-0352 | (5.08)<br>.200   | (7.59)<br>.299   |
| 4         | 015-47-4044 | 70430-0353 | (7.62)<br>.300   | (10.13)<br>.399  |
| 5         | 015-47-4054 | 70430-0354 | (10.16)<br>.400  | (12.67)<br>.499  |
| 6         | 015-47-4064 | 70430-0355 | (12.70)<br>.500  | (15.21)<br>.599  |
| 7         | 015-47-4074 | 70430-0356 | (15.24)<br>.600  | (17.75)<br>.699  |
| 8         | 015-47-4084 | 70430-0357 | (17.78)<br>.700  | (20.29)<br>.799  |
| 9         | 015-47-4094 | 70430-0358 | (20.32)<br>.800  | (22.83)<br>.899  |
| 10        | 015-47-4104 | 70430-0359 | (22.86)<br>.900  | (25.37)<br>.999  |
| 11        | 015-47-4114 | 70430-0360 | (25.40)<br>1.000 | (27.91)<br>1.099 |
| 12        | 015-47-4124 | 70430-0361 | (27.94)<br>1.100 | (30.45)<br>1.199 |
| 13        | 015-47-4134 | 70430-0362 | (30.48)<br>1.200 | (32.99)<br>1.299 |
| 14        | 015-47-4144 | 70430-0363 | (33.02)<br>1.300 | (35.53)<br>1.399 |
| 15        | 015-47-4154 | 70430-0364 | (35.56)<br>1.400 | (38.07)<br>1.499 |
| 16        | 015-47-4164 | 70430-0365 | (38.10)<br>1.500 | (40.61)<br>1.599 |
| 17        | 015-47-4174 | 70430-0366 | (40.64)<br>1.600 | (43.15)<br>1.699 |
| 18        | 015-47-4184 | 70430-0367 | (43.18)<br>1.700 | (45.69)<br>1.799 |
| 19        | 015-47-4194 | 70430-0368 | (45.72)<br>1.800 | (48.23)<br>1.899 |
| 20        | 015-47-4204 | 70430-0369 | (48.26)<br>1.900 | (50.77)<br>1.999 |
| 21        | 015-47-4214 | 70430-0370 | (50.80)<br>2.000 | (53.31)<br>2.099 |
| 22        | 015-47-4224 | 70430-0371 | (53.34)<br>2.100 | (55.85)<br>2.199 |
| 23        | 015-47-4234 | 70430-0372 | (55.88)<br>2.200 | (58.39)<br>2.299 |
| 24        | 015-47-4244 | 70430-0373 | (58.42)<br>2.300 | (60.93)<br>2.399 |
| 25        | 015-47-4254 | 70430-0374 | (60.96)<br>2.400 | (63.47)<br>2.499 |

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|                                                                                                                                  |  |                                                            |                                       |                                                                                                                                 |                          |                   |                    |                                  |                                                                                                              |                                                                                       |                     |                                     |
|----------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------|--------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------|-------------------------------------|
| ADD TOLERANCE<br>EC NO: UCP2007-2849<br>DRAWN: JORGAN 2007/05/18<br>CHKD: MS BARRA 2007/05/21<br>APPR: SMILLER 2007/05/21<br>REV |  | QUALITY SYMBOLS<br><br>▽=0<br>▽=0                          | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                                                                                                 | DIMENSION STYLE<br>MM/IN |                   | SCALE<br>4:1       | DESIGN UNITS<br>INCH             |  THIRD ANGLE PROJECTION | ASSEMBLY, CONNECTOR FFC<br>FEMALE SINGLE ROW<br>(2.54)/.100<br><br>MOLEX INCORPORATED | SHEET NO.<br>1 OF 1 |                                     |
|                                                                                                                                  |  |                                                            |                                       | mm                                                                                                                              | INCH                     | DRAWN BY<br>RAS   | DATE<br>1986/07/21 | APPROVED BY<br>WAZ<br>1986/07/21 |                                                                                                              |                                                                                       |                     | DOCUMENT NO.<br>SDA-70430-0351-0374 |
|                                                                                                                                  |  |                                                            | 4 PLACES                              | ± ---                                                                                                                           | ± ---                    | CHECKED BY<br>MJM | DATE<br>1986/07/21 |                                  |                                                                                                              |                                                                                       |                     |                                     |
|                                                                                                                                  |  |                                                            | 3 PLACES                              | ± ---                                                                                                                           | ± .010                   |                   |                    |                                  |                                                                                                              |                                                                                       |                     |                                     |
|                                                                                                                                  |  |                                                            | 2 PLACES                              | ± 0.25                                                                                                                          | ± .015                   |                   |                    |                                  |                                                                                                              |                                                                                       |                     |                                     |
|                                                                                                                                  |  |                                                            | 1 PLACE                               | ± 0.38                                                                                                                          | ± ---                    |                   |                    |                                  |                                                                                                              |                                                                                       |                     |                                     |
|                                                                                                                                  |  | ANGULAR ±1/2°                                              |                                       |                                                                                                                                 |                          |                   |                    |                                  |                                                                                                              |                                                                                       |                     |                                     |
|                                                                                                                                  |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                       | SEE TABLE                                                                                                                       |                          |                   |                    |                                  |                                                                                                              |                                                                                       |                     |                                     |
|                                                                                                                                  |  |                                                            |                                       | C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                          |                   |                    |                                  |                                                                                                              |                                                                                       |                     |                                     |