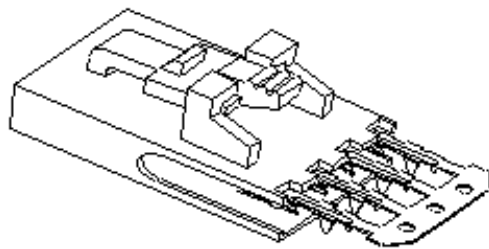


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0015474077](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") C-Grid SL™ Single Row, Female, Version G Receptacle, 7 Circuits



Series

image - Reference only

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) 7
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
Pitch - Term. Interface (in) 0.100 In
Pitch - Term. 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 N/A
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

EU RoHS

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

China RoHS



**Need more information on product
environmental compliance?**

Email 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

C-Grid® locking headers and panel mounts

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

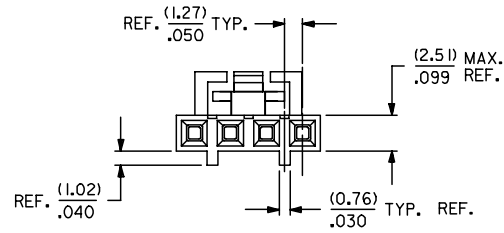
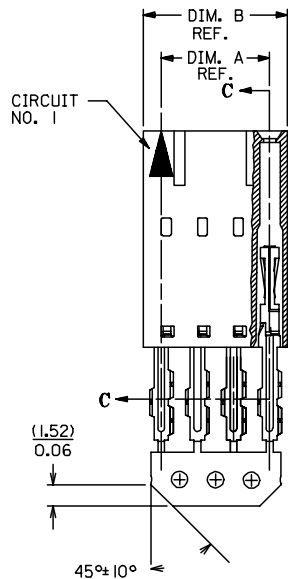
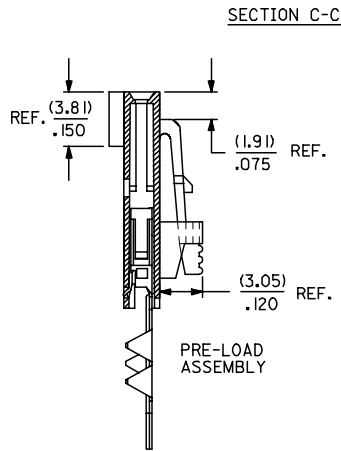
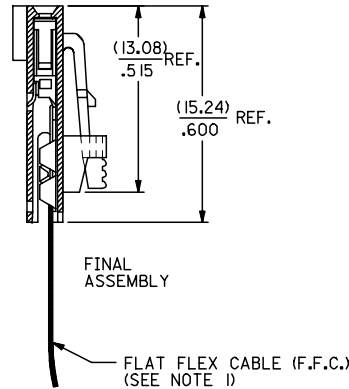
Description	Product #
Manual Ribbon Cable Cutter Hand Tool	0638170100
Tool Kit for Standard Manual Press for FFC	0622007400
Standard Manual Press for FFC	0622007800
TM-42™ FFC and SL™ Termination Kit	0622018700
TM-42™ FFC and SL™ Press and Termination Kit for 110v applications	0622020800

Old Part Number	70430-0496
Reference - Drawing Numbers	
Product Specification	PS-70430
Sales Drawing	SDA-70430-0491-0514

This document was generated on 05/18/2010

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"G" - OPTION



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.

- 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	015-47-4027	70430-0491	(2.54) .100	(5.05) .199
3	015-47-4037	70430-0492	(5.08) .200	(7.59) .299
4	015-47-4047	70430-0493	(7.62) .300	(10.13) .399
5	015-47-4057	70430-0494	(10.16) .400	(12.67) .499
6	015-47-4067	70430-0495	(12.70) .500	(15.24) .599
7	015-47-4077	70430-0496	(15.24) .600	(17.75) .699
8	015-47-4087	70430-0497	(17.78) .700	(20.29) .799
9	015-47-4097	70430-0498	(20.32) .800	(22.83) .899
10	015-47-4107	70430-0499	(22.86) .900	(25.37) .999
11	015-47-4117	70430-0500	(25.40) 1.000	(27.91) 1.099
12	015-47-4127	70430-0501	(27.94) 1.100	(30.45) 1.199
13	015-47-4137	70430-0502	(30.48) 1.200	(32.99) 1.299
14	015-47-4147	70430-0503	(33.02) 1.300	(35.53) 1.399
15	015-47-4157	70430-0504	(35.56) 1.400	(38.07) 1.499
16	015-47-4167	70430-0505	(38.10) 1.500	(40.61) 1.599
17	015-47-4177	70430-0506	(40.64) 1.600	(43.15) 1.699
18	015-47-4187	70430-0507	(43.18) 1.700	(45.69) 1.799
19	015-47-4197	70430-0508	(45.72) 1.800	(48.23) 1.899
20	015-47-4207	70430-0509	(48.26) 1.900	(50.77) 1.999
21	015-47-4217	70430-0510	(50.80) 2.000	(53.31) 2.099
22	015-47-4227	70430-0511	(53.34) 2.100	(55.85) 2.199
23	015-47-4237	70430-0512	(55.88) 2.200	(58.39) 2.299
24	015-47-4247	70430-0513	(58.42) 2.300	(60.93) 2.399
25	015-47-4257	70430-0514	(60.96) 2.400	(63.47) 2.499

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

ADD TOLERANCE		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION			
EC NO: UCP2007-2849		▼=0		mm INCH		MM/IN		4:1		INCH		⊙ □			
DRAWN: JORGAN 2007/05/18		▽=0		4 PLACES ± --- ± ---		DRAWN BY DATE		ASSEMBLY, CONNECTOR FFC FEMALE SINGLE ROW (2.54)/.100 GRID MOLEX INCORPORATED							
CHKD: MS BARRA 2007/05/21				3 PLACES ± --- ± .010		RAS 1986/07/21									
APPR: SMILLER 2007/05/21				2 PLACES ± 0.25 ± .015		CHECKED BY DATE								TITLE	
				1 PLACE ± 0.38 ± ---		MJM 1986/07/21									
				ANGULAR ± 1/2°		APPROVED BY DATE		MOLEX INCORPORATED							
						WAZ 1986/07/21									
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
						SEE TABLE		SDA-70430-0491-0514		1 OF 1					
REV						SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							