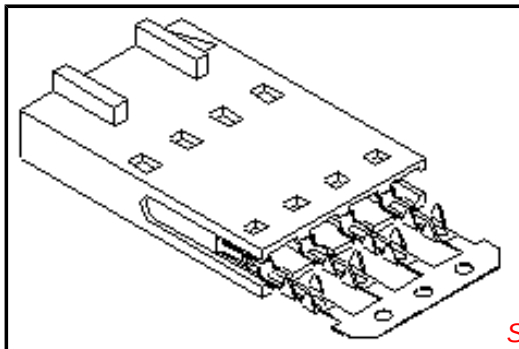
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0015474151
Status: Active
Overview: cgrid__sl_products
Description: 2.54mm (.100") C-Grid SL™ Single Row, Female, Version C Receptacle, 15 Circuits



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-70430 (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)	15
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	70430-0224

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
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
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

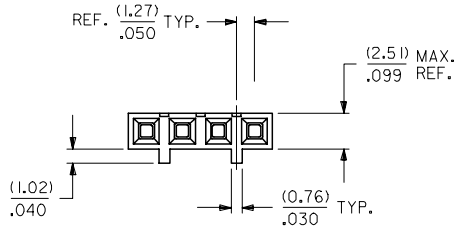
Description	Product #
Manual Ribbon Cable Cutter Hand Tool	0638170100
Tool Kit for Standard Manual Press FFC	0622007400
Standard Manual Press for FFC	0622007800
TM-42™ FFC and SL™ Termination Kit	0622018700

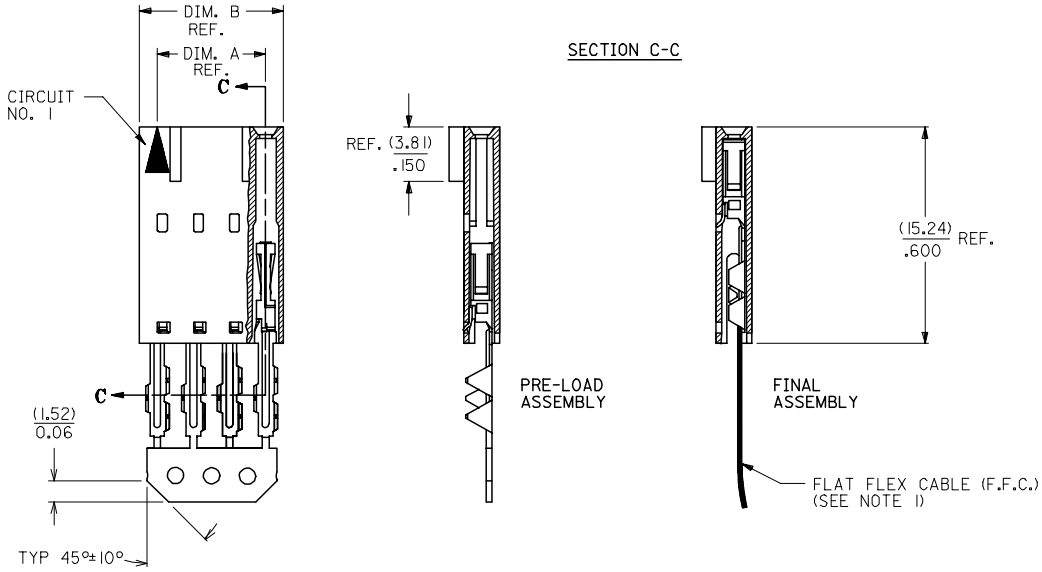
TM-42™ FFC and SL™ Press and Termination Kit for 110v applications	0622020800

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"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	015-47-4021	70430-0211	(2.54) .100	(5.05) .199
3	015-47-4031	70430-0212	(5.08) .200	(7.59) .299
4	015-47-4041	70430-0213	(7.62) .300	(10.13) .399
5	015-47-4051	70430-0214	(10.16) .400	(12.67) .499
6	015-47-4061	70430-0215	(12.70) .500	(15.21) .599
7	015-47-4071	70430-0216	(15.24) .600	(17.75) .699
8	015-47-4081	70430-0217	(17.78) .700	(20.29) .799
9	015-47-4091	70430-0218	(20.32) .800	(22.83) .899
10	015-47-4101	70430-0219	(22.86) .900	(25.37) .999
11	015-47-4111	70430-0220	(25.40) 1.000	(27.91) 1.099
12	015-47-4121	70430-0221	(27.94) 1.100	(30.45) 1.199
13	015-47-4131	70430-0222	(30.48) 1.200	(32.99) 1.299
14	015-47-4141	70430-0223	(33.02) 1.300	(35.53) 1.399
15	015-47-4151	70430-0224	(35.56) 1.400	(38.07) 1.499
16	015-47-4161	70430-0225	(38.10) 1.500	(40.61) 1.599
17	015-47-4171	70430-0226	(40.64) 1.600	(43.15) 1.699
18	015-47-4181	70430-0227	(43.18) 1.700	(45.69) 1.799
19	015-47-4191	70430-0228	(45.72) 1.800	(48.23) 1.899
20	015-47-4201	70430-0229	(48.26) 1.900	(50.77) 1.999
21	015-47-4211	70430-0230	(50.80) 2.000	(53.31) 2.099
22	015-47-4221	70430-0231	(53.34) 2.100	(55.85) 2.199
23	015-47-4231	70430-0232	(55.88) 2.200	(58.39) 2.299
24	015-47-4241	70430-0233	(58.42) 2.300	(60.93) 2.399
25	015-47-4251	70430-0234	(60.96) 2.400	(63.47) 2.499

HOUSING MATERIAL: GLASS FILLED POLYSTER, 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
EC NO: UCP2007-2849 2007/05/18
DRWN:DMORGAN 2007/05/21
CH'KD:MS BARRA
APPR:SMILLER
DESCRIPTION
REV D

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	RAS	1986/07/21
CHECKED BY	MJM	1986/07/21
APPROVED BY	WAZ	1986/07/21

TITLE: ASSEMBLY, CONNECTOR FFC FEMALE SINGLE ROW (2.54)/.100

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-70430-0211-0234
SHEET NO.: 1 OF 1
SIZE C

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