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Part Number: [0015474181](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") C-Grid SL™ Single Row, Female, Version C Receptacle, 18 Circuits

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) 18
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

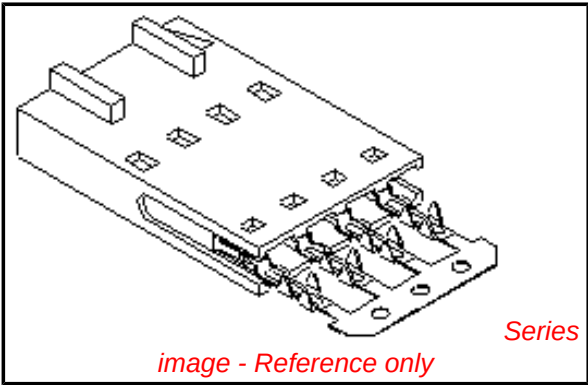
Electrical

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

Material Info

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.

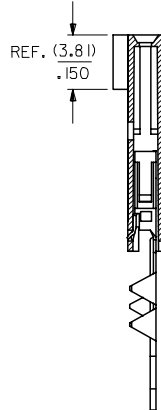
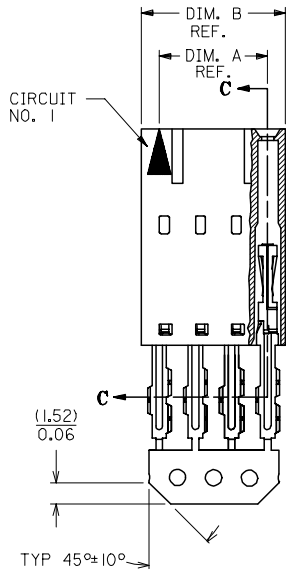
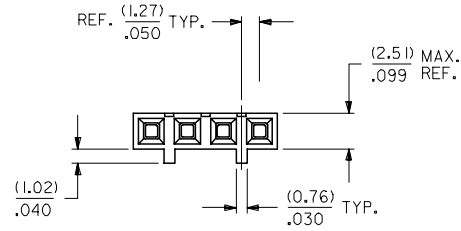
Search Parts in this Series
[70430Series](#)

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

This document was generated on 05/18/2010

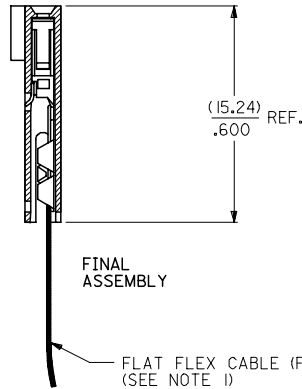
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"C" - OPTION



PRE-LOAD ASSEMBLY

SECTION C-C



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.

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

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

ADD TOLERANCE EC NO: UCP2007-2849 DRAWN: JORGAN 2007/05/18 CHKD: MS BARRA 2007/05/21 APPR: SMILLER 2007/05/21 REV DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY RAS	DATE 1986/07/21	ASSEMBLY, CONNECTOR FFC FEMALE SINGLE ROW (2.54)/.100			
		4 PLACES	± .005	± .005	CHECKED BY MJM	DATE 1986/07/21				
		3 PLACES	± .010	± .010	APPROVED BY WAZ	DATE 1986/07/21				
		2 PLACES	± 0.25	± .015	MOLEX MOLEX INCORPORATED		DOCUMENT NO. SDA-70430-0211-0234			
		1 PLACE	± 0.38	± .020						
		ANGULAR ± 1/2°								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE								
		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						