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Part Number: [0015388217](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") C-Grid SL™ Single Row, Female, Version C Receptacle, 21 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) 21
Color - Resin Black
Contact Position N/A
Durability (mating cycles max) 25
Entry Angle Vertical
Flammability 94V-0
Material - Metal Phosphor Bronze
Material - Plating Mating Tin
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) 150
Plating min: Mating (µm) 3.75
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

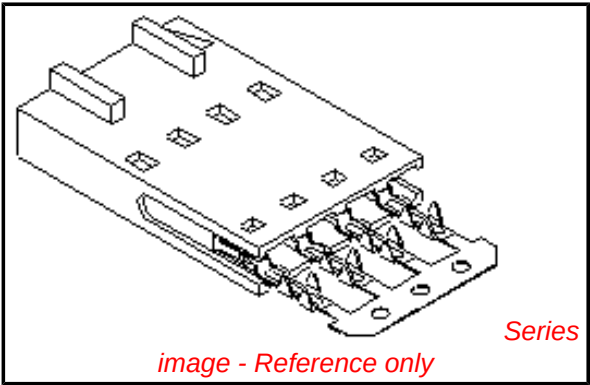
Current - Maximum per Contact 1A, 2A
Voltage - Maximum 250V

Material Info

Old Part Number 70430-0055

Reference - Drawing Numbers

Product Specification PS-70430
Sales Drawing SDA-70430-0036-0059



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.

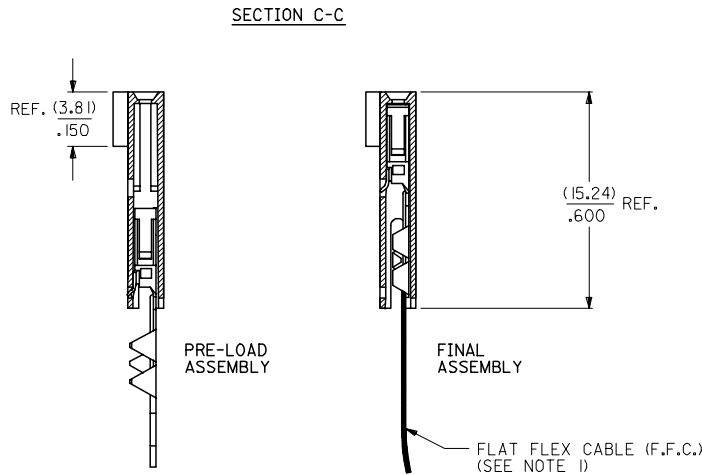
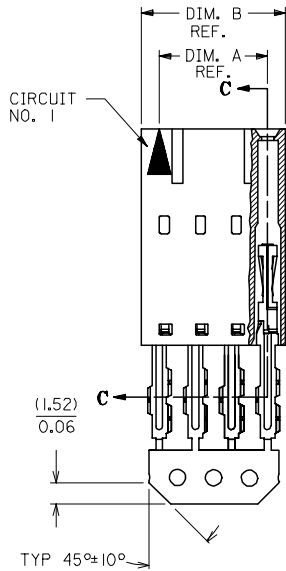
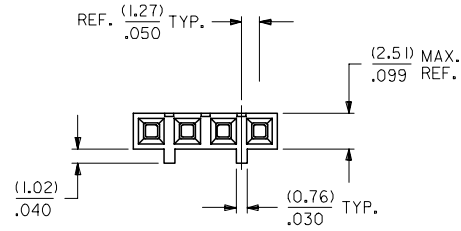
Search Parts in this Series
[70430Series](#)

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



HOUSING MATERIAL: GLASS FILLED POLYESTER, UL 94V-0.
TERMINAL MATERIAL: PHOSPHOR BRONZE.
PLATING: TIN - .000150 MINIMUM TIN OVER
.000050 MINIMUM NICKEL PLATE.

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	015-38-8027	70430-0036	(2.54) .100	(5.05) .199
3	015-38-8037	70430-0037	(5.08) .200	(7.59) .299
4	015-38-8047	70430-0038	(7.62) .300	(10.13) .399
5	015-38-8057	70430-0039	(10.16) .400	(12.67) .499
6	015-38-8067	70430-0040	(12.70) .500	(15.21) .599
7	015-38-8077	70430-0041	(15.24) .600	(17.75) .699
8	015-38-8087	70430-0042	(17.78) .700	(20.29) .799
9	015-38-8097	70430-0043	(20.32) .800	(22.83) .899
10	015-38-8107	70430-0044	(22.86) .900	(25.37) .999
11	015-38-8117	70430-0045	(25.40) .1000	(27.91) .1099
12	015-38-8127	70430-0046	(27.94) .1100	(30.45) .1199
13	015-38-8137	70430-0047	(30.48) .1200	(32.99) .1299
14	015-38-8147	70430-0048	(33.02) .1300	(35.53) .1399
15	015-38-8157	70430-0049	(35.56) .1400	(38.07) .1499
16	015-38-8167	70430-0050	(38.10) .1500	(40.61) .1599
17	015-38-8177	70430-0051	(40.64) .1600	(43.15) .1699
18	015-38-8187	70430-0052	(43.18) .1700	(45.69) .1799
19	015-38-8197	70430-0053	(45.72) .1800	(48.23) .1899
20	015-38-8207	70430-0054	(48.26) .1900	(50.77) .1999
21	015-38-8217	70430-0055	(50.80) .2000	(53.31) .2099
22	015-38-8227	70430-0056	(53.34) .2100	(55.85) .2199
23	015-38-8237	70430-0057	(55.88) .2200	(58.39) .2299
24	015-38-8247	70430-0058	(58.42) .2300	(60.93) .2399
25	015-38-8257	70430-0059	(60.96) .2400	(63.47) .2499

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

ADD TOLERANCES EC NO: UCP2007-2849 DRAWN: JORGAN 2007/05/18 CHKD: MS BARRA 2007/05/21 APPR: SMILLER 2007/05/21	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	TITLE ASSEMBLY, CONNECTOR FFC FEMALE SINGLE ROW (2.54)/.100	MOLEX INCORPORATED	DOCUMENT NO. SDA-70430-0036-0059	SHEET NO. 1 OF 1	
		4 PLACES	± .---	± .---	CHECKED BY WAZ	DATE 1986/07/21					
		3 PLACES	± .---	± .010							
		2 PLACES	± 0.25	± .015	APPROVED BY MJM	DATE 1986/07/21					
		1 PLACE	± 0.38	± .---							
		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			