

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0015474201

Status:

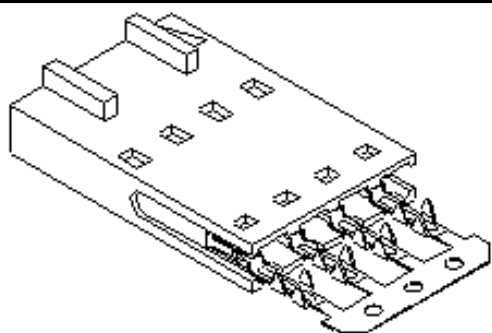
Active

Overview:

cgrid_sl_products

Description:

2.54mm (.100") C-Grid SL™ Single Row, Female, Version C Receptacle, 20 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)	20
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.

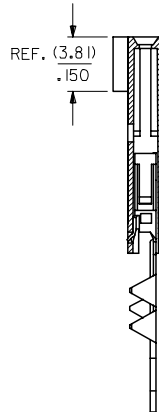
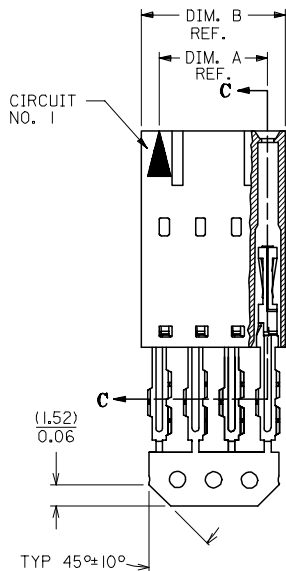
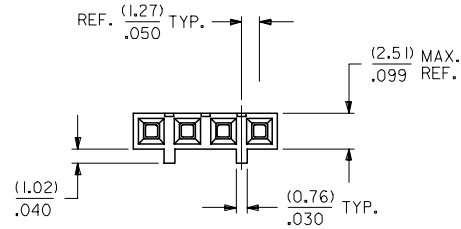
Search Parts in this Series
70430Series

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

This document was generated on 05/18/2010

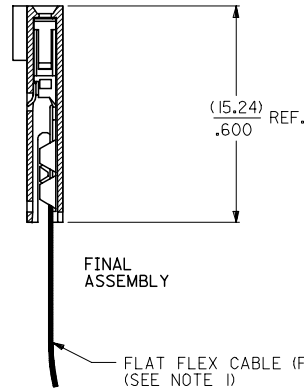
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"C" - OPTION



PRE-LOAD ASSEMBLY

SECTION C-C



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

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) .1000	(27.91) .1099
12	015-47-412I	70430-0221	(27.94) .1100	(30.45) .1199
13	015-47-413I	70430-0222	(30.48) .1200	(32.99) .1299
14	015-47-414I	70430-0223	(33.02) .1300	(35.53) .1399
15	015-47-415I	70430-0224	(35.56) .1400	(38.07) .1499
16	015-47-416I	70430-0225	(38.10) .1500	(40.61) .1599
17	015-47-417I	70430-0226	(40.64) .1600	(43.15) .1699
18	015-47-418I	70430-0227	(43.18) .1700	(45.69) .1799
19	015-47-419I	70430-0228	(45.72) .1800	(48.23) .1899
20	015-47-420I	70430-0229	(48.26) .1900	(50.77) .1999
21	015-47-421I	70430-0230	(50.80) .2000	(53.31) .2099
22	015-47-422I	70430-0231	(53.34) .2100	(55.85) .2199
23	015-47-423I	70430-0232	(55.88) .2200	(58.39) .2299
24	015-47-424I	70430-0233	(58.42) .2300	(60.93) .2399
25	015-47-425I	70430-0234	(60.96) .2400	(63.47) .2499

ADD TOLERANCE EC NO: UCP2007-2849 DRAWN: JORGAN 2007/05/18 CHKD: MS BARRA 2007/05/21 APPR: SMILLER 2007/05/21	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	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	
			4 PLACES	± .---	± .---	CHECKED BY MJM	DATE 1986/07/21	MOLEX INCORPORATED	
			3 PLACES	± .---	± .010	APPROVED BY WAZ	DATE 1986/07/21		
			2 PLACES	± 0.25	± .015	DOCUMENT NO. SDA-70430-0211-0234			
	1 PLACE	± 0.38	± .---	SHEET NO. 1 OF 1					
			ANGULAR ±1/2°						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE				
		REV			SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			