

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0015474230

Status:

Active

Overview:

cgrid_sl_products

Description:

2.54mm (.100") C-Grid SL™ Single Row, Female, Version A Receptacle, 23 Circuits

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)	23
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
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	

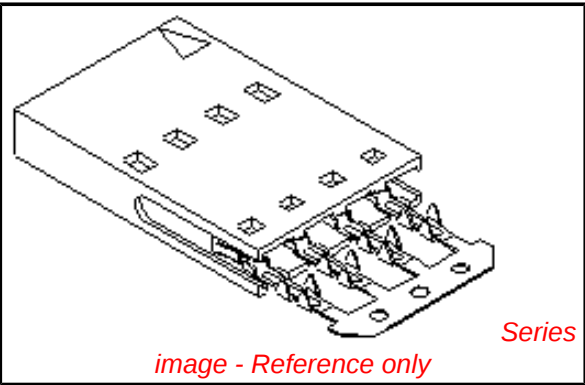


image - Reference only

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
2.54mm (.100") pitch, single or dual row,breakaway headers

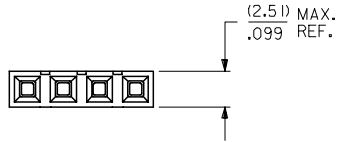
This document was generated on 05/18/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

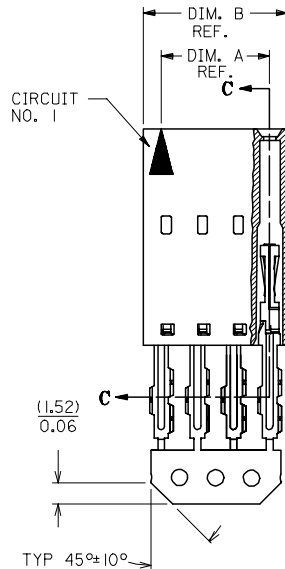
"A" - OPTION

NOTES:

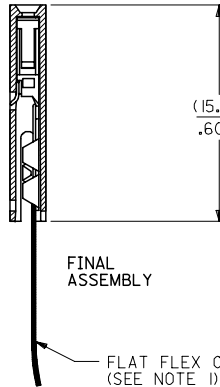
- 1) PRE LOADED ASSEMBLY TO BE USED WITH (0.30)/.012 MAX. THICK FLAT FLEX CABLE WITH (1.57)/.062 WIDE COPPER CONDUCTORS ON (2.54)/.100 CENTERS OR, (0.13)/.005 - (0.28)/.011 THICK MYLAR WITH (1.02)/.040 - (1.65)/.065 WIDE SILVER INK CONDUCTORS ON (2.54)/.100 CENTERS.
- 2) STANDARD PACKING PER PK70873-0001 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.



SECTION C-C



PRE-LOAD ASSEMBLY



FINAL ASSEMBLY

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

HOUSING MATERIAL: GLASS FILLED POLYESTER, UL 94V-0.
TERMINAL MATERIAL: PHOSPHOR BRONZE.
PLATING: 15 GOLD - .000015 MINIMUM
.000075 MINIMUM
.000050 MINIMUM
GOLD PLATE IN SELECT AREA,
TIN PLATE IN SELECT AREA,
NICKEL PLATE OVERALL.

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

CKT. SIZE	EDP. NO.	ENG. NO.	A	B
2	015-47-4020	70430-0176	(2.54) .100	(5.05) .199
3	015-47-4030	70430-0177	(5.08) .200	(7.59) .299
4	015-47-4040	70430-0178	(7.62) .300	(10.13) .399
5	015-47-4050	70430-0179	(10.16) .400	(12.67) .499
6	015-47-4060	70430-0180	(12.70) .500	(15.21) .599
7	015-47-4070	70430-0181	(15.24) .600	(17.75) .699
8	015-47-4080	70430-0182	(17.78) .700	(20.29) .799
9	015-47-4090	70430-0183	(20.32) .800	(22.83) .899
10	015-47-4100	70430-0184	(22.86) .900	(25.37) .999
11	015-47-4110	70430-0185	(25.40) 1.000	(27.91) 1.099
12	015-47-4120	70430-0186	(27.94) 1.100	(30.45) 1.199
13	015-47-4130	70430-0187	(30.48) 1.200	(32.99) 1.299
14	015-47-4140	70430-0188	(33.02) 1.300	(35.53) 1.399
15	015-47-4150	70430-0189	(35.56) 1.400	(38.07) 1.499
16	015-47-4160	70430-0190	(38.10) 1.500	(40.61) 1.599
17	015-47-4170	70430-0191	(40.64) 1.600	(43.15) 1.699
18	015-47-4180	70430-0192	(43.18) 1.700	(45.69) 1.799
19	015-47-4190	70430-0193	(45.72) 1.800	(48.23) 1.899
20	015-47-4200	70430-0194	(48.26) 1.900	(50.77) 1.999
21	015-47-4210	70430-0195	(50.80) 2.000	(53.31) 2.099
22	015-47-4220	70430-0196	(53.34) 2.100	(55.85) 2.199
23	015-47-4230	70430-0197	(55.88) 2.200	(58.39) 2.299
24	015-47-4240	70430-0198	(58.42) 2.300	(60.93) 2.399
25	015-47-4250	70430-0199	(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	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
			MM/IN		4:1	INCH		
			mm	INCH	DRAWN BY DATE			TITLE
			4 PLACES ± --- ± ---	RAS 1986/07/21	ASSEMBLY, CONNECTOR FFC FEMALE SINGLE ROW (2.54)/.100 GRID			
			3 PLACES ± --- ±.010	CHECKED BY DATE				
			2 PLACES ± 0.25 ±.015	MJM 1986/07/21	MOLEX INCORPORATED			
			1 PLACE ± 0.38 ± ---	APPROVED BY DATE				
ANGULAR ± 1/2°		WAZ 1986/07/21	DOCUMENT NO.		SHEET NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SDA-70430-0176-0199		1 OF 1		
SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						