

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0015388078

Status:

Active

Overview:

cgrid_sl_products

Description:

2.54mm (.100") C-Grid SL™ Single Row, Female, Version A Receptacle, 7 Circuits

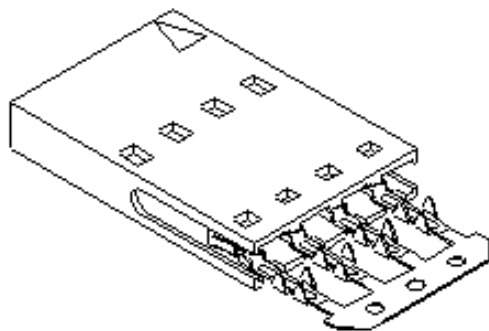


image - Reference only

Series

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)	7
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
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)	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	70430-0006
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EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Halogen-Free

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

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

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-70430
SDA-70430-0001-0024

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

This document was generated on 05/18/2010

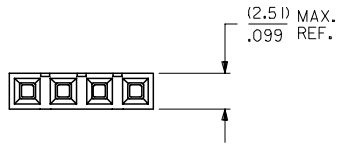
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13 12 11 10 9 8 7 6 5 4 3 2 1

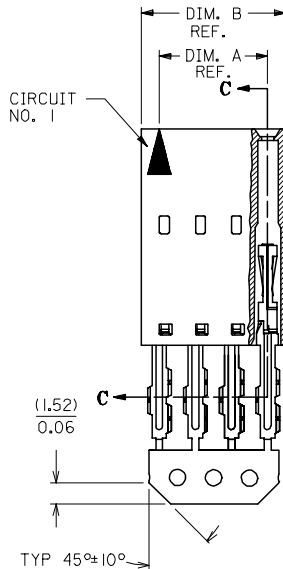
"A" - OPTION

NOTES:

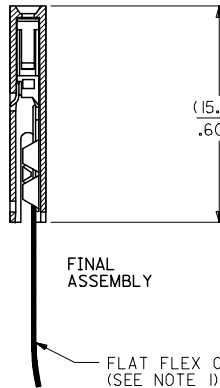
- 1) PRE LOADED ASSEMBLY TO BE USED WITH (0.30)/.012 MAX. THICK FLAT FLEX CABLE WITH (1.57)/.062 WIDE COPPER CONDUCTORS ON (2.54)/.100 CENTERS OR, (0.13)/.005 - (0.28)/.011 THICK MYLAR WITH (1.02)/.040 - (1.65)/.065 WIDE SILVER INK CONDUCTORS ON (2.54)/.100 CENTERS.
- 2) STANDARD PACKING PER PK70873-0001 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: TIN - .000150 MINIMUM TIN OVER
.000050 MINIMUM NICKEL PLATE.

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

CKT. SIZE	EDP. NO.	ENG. NO.	A	B
2	015-38-8028	70430-0001	(2.54) .100	(5.05) .199
3	015-38-8038	70430-0002	(5.08) .200	(7.59) .299
4	015-38-8048	70430-0003	(7.62) .300	(10.13) .399
5	015-38-8058	70430-0004	(10.16) .400	(12.67) .499
6	015-38-8068	70430-0005	(12.70) .500	(15.21) .599
7	015-38-8078	70430-0006	(15.24) .600	(17.75) .699
8	015-38-8088	70430-0007	(17.78) .700	(20.29) .799
9	015-38-8098	70430-0008	(20.32) .800	(22.83) .899
10	015-38-8108	70430-0009	(22.86) .900	(25.37) .999
11	015-38-8118	70430-0010	(25.40) 1.000	(27.91) 1.099
12	015-38-8128	70430-0011	(27.94) 1.100	(30.45) 1.199
13	015-38-8138	70430-0012	(30.48) 1.200	(32.99) 1.299
14	015-38-8148	70430-0013	(33.02) 1.300	(35.53) 1.399
15	015-38-8158	70430-0014	(35.56) 1.400	(38.07) 1.499
16	015-38-8168	70430-0015	(38.10) 1.500	(40.61) 1.599
17	015-38-8178	70430-0016	(40.64) 1.600	(43.15) 1.699
18	015-38-8188	70430-0017	(43.18) 1.700	(45.69) 1.799
19	015-38-8198	70430-0018	(45.72) 1.800	(48.23) 1.899
20	015-38-8208	70430-0019	(48.26) 1.900	(50.77) 1.999
21	015-38-8218	70430-0020	(50.80) 2.000	(53.31) 2.099
22	015-38-8228	70430-0021	(53.34) 2.100	(55.85) 2.199
23	015-38-8238	70430-0022	(55.88) 2.200	(58.39) 2.299
24	015-38-8248	70430-0023	(58.42) 2.300	(60.93) 2.399
25	015-38-8258	70430-0024	(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	QUALITY SYMBOLS ▽=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 GRID MOLEX MOLEX INCORPORATED		
			4 PLACES	± ---	± ---	CHECKED BY MJM	DATE 1986/07/21			
			3 PLACES	± ---	± .010	APPROVED BY WAZ	DATE 1986/07/21			
			2 PLACES	± 0.25	± .015	MATERIAL NO.				DOCUMENT NO. SDA-70430-0001-0024
			1 PLACE	± 0.38	± ---	SEE TABLE				
			ANGULAR		± 1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
REV			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							