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Part Number: 0015388028
Status: Active
Overview: cgrid__sl_products
Description: 2.54mm (.100") C-Grid SL™ Single Row, Female, Version A Receptacle, 2 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

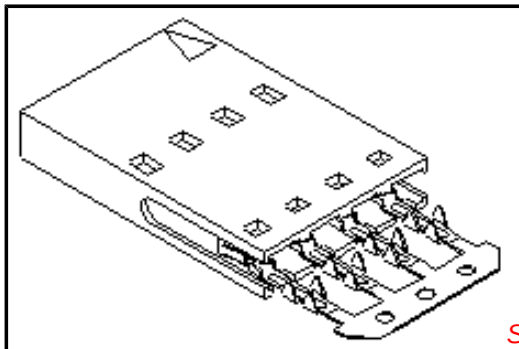
Circuits (Loaded)	2
Color - Resin	Black
Contact Position	N/A
Durability (mating cycles max)	25
Entry Angle	Vertical
Flammability	94V-0
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester Alloy
Number of Rows	1
Orientation	Vertical
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	704300001



Series
image - Reference only

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

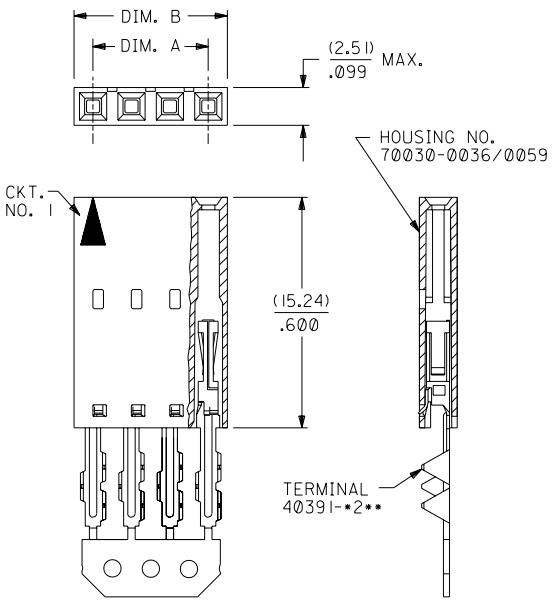
Reference - Drawing Numbers

Product Specification	PS-70430	TM-42™ FFC and SL™ Press and Termination Kit for 110v applications	0622020800
Sales Drawing	SDA-70430-****, SDA-70430-0001-0024		

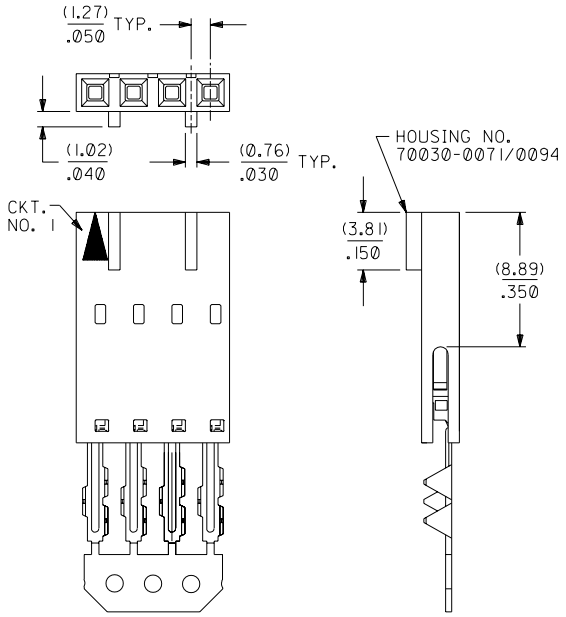
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OPTION -A-

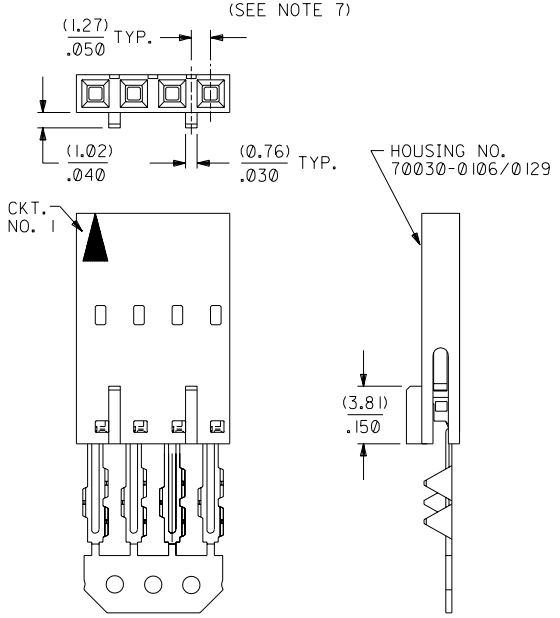


OPTION -C-



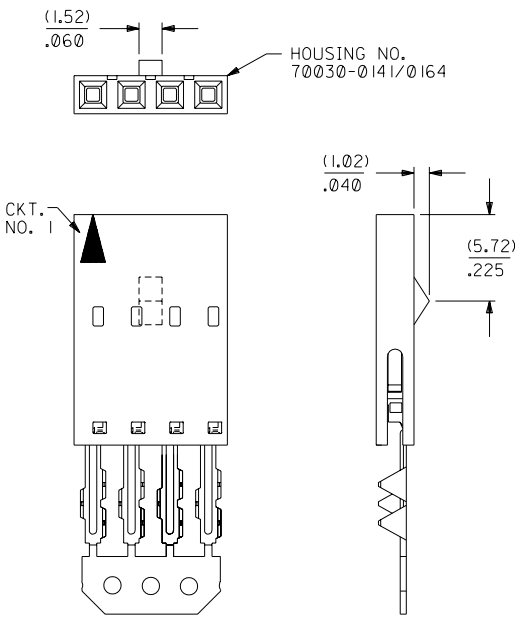
OPTION -D-

(SEE NOTE 7)

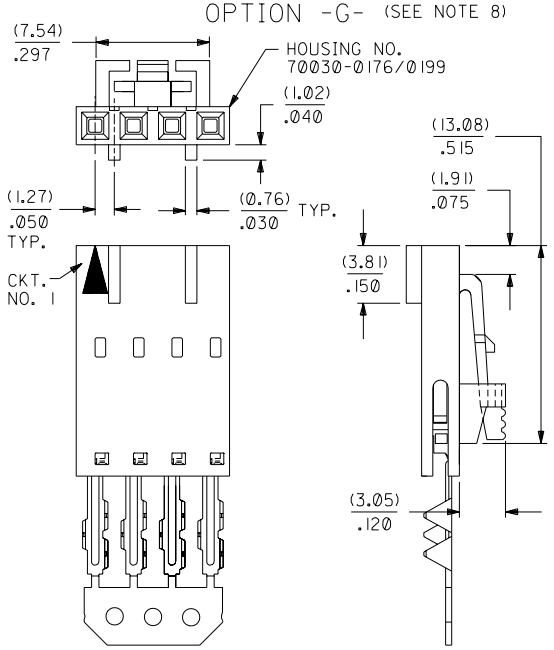


CKT. SIZE	"A"	"B" (MAX.)
2	(2.54) .100	(5.05) .199
3	(5.08) .200	(7.59) .299
4	(7.62) .300	(10.13) .399
5	(10.16) .400	(12.67) .499
6	(12.70) .500	(15.21) .599
7	(15.24) .600	(17.75) .699
8	(17.78) .700	(20.29) .799
9	(20.32) .800	(22.83) .899
10	(22.86) .900	(25.37) .999
11	(25.40) 1.000	(27.91) 1.099
12	(27.94) 1.100	(30.45) 1.199
13	(30.48) 1.200	(32.99) 1.299
14	(33.02) 1.300	(35.53) 1.399
15	(35.56) 1.400	(38.07) 1.499
16	(38.10) 1.500	(40.61) 1.599
17	(40.64) 1.600	(43.15) 1.699
18	(43.18) 1.700	(45.69) 1.799
19	(45.72) 1.800	(48.23) 1.899
20	(48.26) 1.900	(50.77) 1.999
21	(50.80) 2.000	(53.31) 2.099
22	(53.34) 2.100	(55.85) 2.199
23	(55.88) 2.200	(58.39) 2.299
24	(58.42) 2.300	(60.93) 2.399
25	(60.96) 2.400	(63.47) 2.499

OPTION -E-

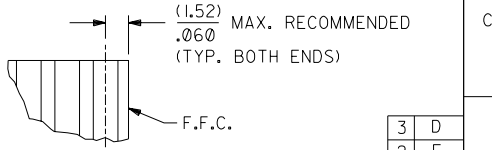


OPTION -G- (SEE NOTE 8)



NOTES:

1. SEE CHART FOR CIRCUIT SIZES.
2. TERMINALS ARE SHOWN PRE-LOADED INTO HOUSING AND LOCKED INTO FIRST ROW.
3. STANDARD PACKAGING PER PK70873-0001 SHALL BE USED.
4. ALL DIMENSIONS ARE FOR REFERENCE ONLY.
5. SEE SHEET (2) OF FAMILY DRAWING FOR PART NO'S. AND PLATINGS
6. PRE LOADED ASSEMBLY TO BE USED WITH (0.35)/.014 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.
7. RECOMMENDED F.F.C. CONFIGURATION FOR OPTION "D" ONLY; WHEN USED WITH INTERIM CLIPS, SEE DETAIL 1.
8. SEE SHEET 3 FOR CORE-OUT CONFIGURATION, "G" OPTION.
9. TWO (2) CIRCUIT ASSEMBLIES SUPPLIED ASA GROUPED PAIRS.
10. PLATING IS COLOR CODED. SEE TABLE ON SHEET 2.



DETAIL - 1 (SEE NOTE 7)

MFG.	SH.	REV.
3		D
2		E
1		E

LTR.	REVISIONS	LTR.	REVISIONS
		D	PRINT CORRECTIONS ECN #UDT2001-1260 BSMART 05/14/01
		C3	ADD CARRIER CHAMF ECN #UDT1998-0280 05/20/98 LMCGRATH
E	LEAD FREE UCP2004-1769 RWHITE 04/03/24	C2	REVISED PER ECR NO U40643 05-19-94 WGM

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

	INCH	METRIC
3 PLACE	± ---	---
2 PLACE	± ---	± ---
1 PLACE	---	± ---

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY	RAS	CHK'D. BY	MJM
APP'D. BY	WAZ	SCALE	4: 1

▽ = TBD ▼ = TBD REVISE ONLY ON CAD SYSTEM

TITLE: ASSEMBLY, CONNECTOR F.F.C. FEMALE SINGLE ROW (2.54)/.100 GRID: (FAMILY INDEX)

molex MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A. | SHEET NO. 1 OF 3 | DATE 7/23/86

PART NO. FAMILY INDEX | DRWG. NO. SDA-70430-****

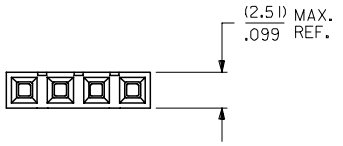
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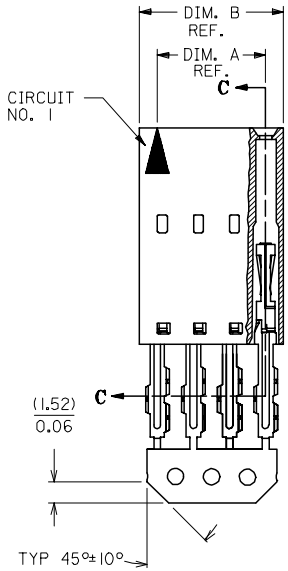
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DIV. DA | SIZE C

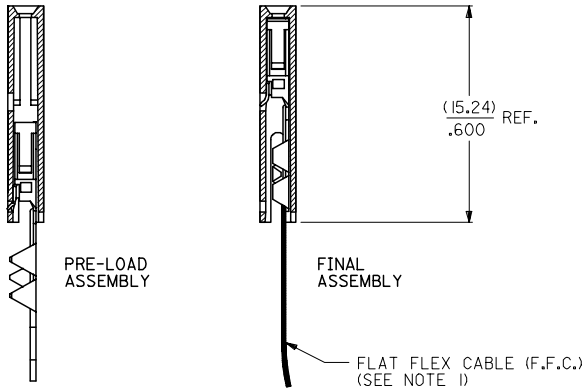
NO PS

"A" - OPTION





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.

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

HOUSING MATERIAL: GLASS FILLED POLYSTER, 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

ADD TOLERANCE
EC NO: UCP2007-2849 2007/05/18
DRWN:DMORGAN 2007/05/21
CHKD:MSIBARRA 2007/05/21
APPR:SMILLER 2007/05/21
DESCRIPTION
REV D

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY	RAS
DATE	1986/07/21
CHECKED BY	MJM
DATE	1986/07/21
APPROVED BY	WAZ
DATE	1986/07/21

TITLE: ASSEMBLY, CONNECTOR FFC FEMALE SINGLE ROW (2.54)/.100 GRID

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-70430-0001-0024
SHEET NO.: 1 OF 1
SIZE: C

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