

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0015389032](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") Pitch SL™ FFC/FPC Connector - Single Row Male Version D, 3 Circuits

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

[Product Specification PS-70430 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family FFC/FPC Connectors
Series [70431](#)
Comments Male
Overview [cgrid_sl_products](#)
Product Name SL™

Physical

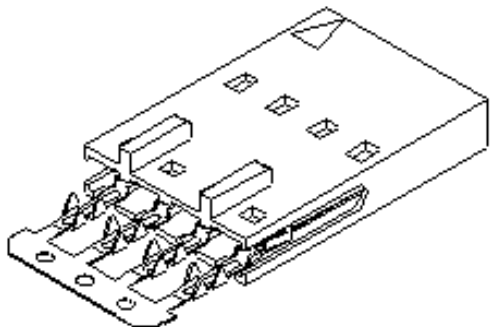
Circuits (Loaded) 3
Color - Resin Black
Contact Position N/A
Durability (mating cycles max) 25
Entry Angle Vertical
Flammability 94V-0
Material - Metal Phosphor Bronze
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin Polyester Alloy
Number of Rows 1
Orientation Vertical
PCB Locator No
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) 150
Plating min: Termination (µm) 3.75
Polarized to PCB No
Stackable Yes
Surface Mount Compatible (SMC) N/A
Temperature Range - Operating -40°C to +105°C
Termination Interface: Style IDT or Pierce
Wire/Cable Type FFC/FPC

Electrical

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

Material Info

Old Part Number 70431-0072



Series

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
[70431Series](#)

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

Reference - Drawing Numbers

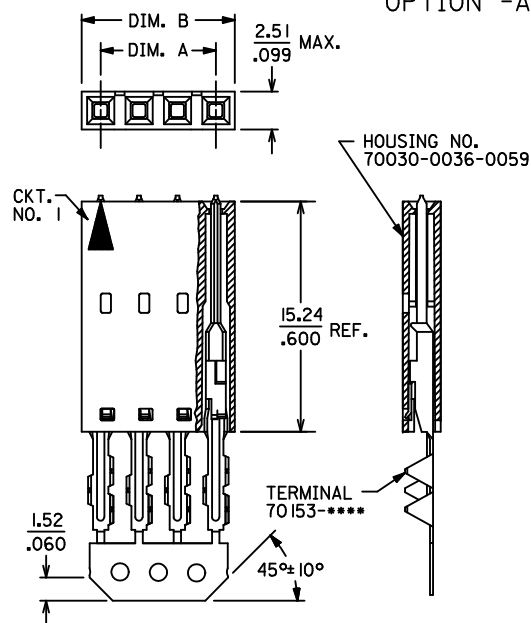
Product Specification
Sales Drawing

PS-70430
SDA-70431-****

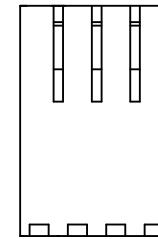
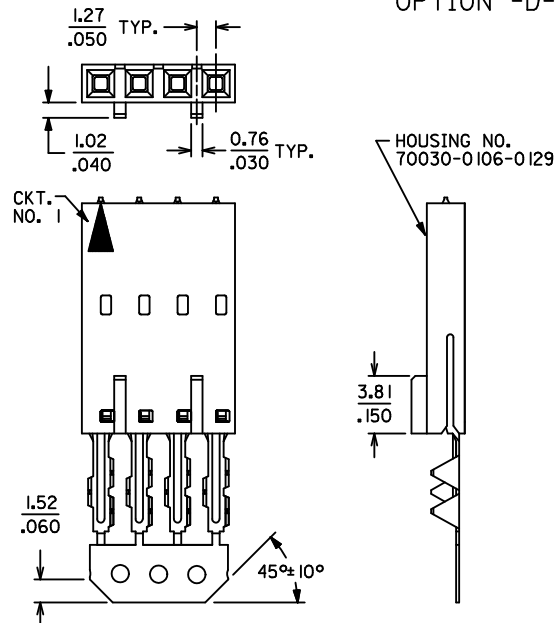
This document was generated on 05/18/2010

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OPTION -A-

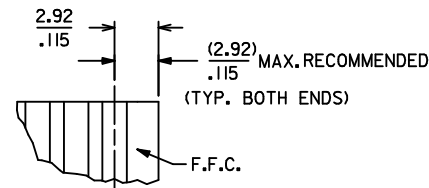
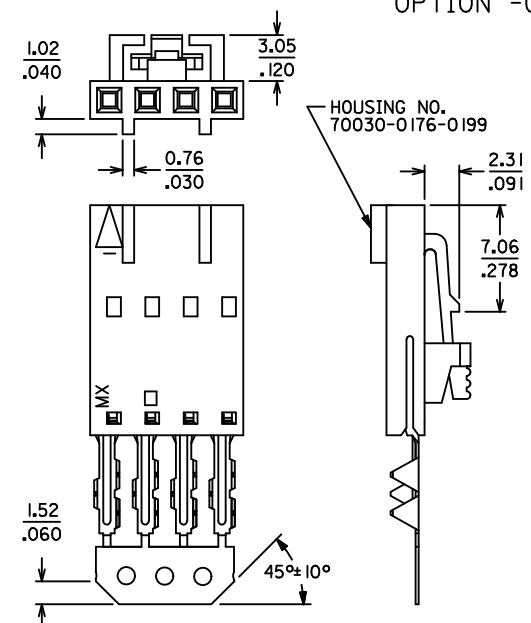


OPTION -D-



OPTIONAL CORE-OUT FOR
HOUSING OPTIONS A & D
CKT. SIZES 2-25
(FOR CONTROL OF BOW)

OPTION -G-



- NOTES:
1. HOUSING: POLYESTER (PBT), UL94 V-0
COLOR: BLACK
 2. FINISHES:
SEE PAGE 2 FOR PLATING FINISHES
 3. PRODUCT SPECIFICATION: PS-70430
 4. PACKAGING SPECIFICATION: PK-70873-0001
 5. SEE CHART FOR CIRCUIT SIZES
 6. TERMINALS ARE SHOWN PRE-LOADED INTO HOUSING
AND LOCKED INTO FIRST ROW OF LOCKING TANG
WINDOWS
 7. ALL DIMENSIONS ARE FOR REFERENCE ONLY
 8. SEE SHEET 2 FOR PART NUMBERS AND PLATINGS

CKT. SIZE	DIM. A (MAX.)	DIM. 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

MODIFY PRODUCT SPEC EC NO: UCP2010-0987 DRWN:MSIBARRA 2009/12/28 CHKD:DMORGAN 2010/01/08 APPR:SMILLER 2010/01/11	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY MGB	DATE 12/21/88	TITLE ASSY, SL CONNECTOR, FFC MALE, SINGLE ROW 2.54/.100 GRID MOLEX INCORPORATED			
			4 PLACES	± ---	± ---	CHECKED BY MGB	DATE 12/21/88				
			3 PLACES	± ---	± ---	APPROVED BY WAZ	DATE 12/21/88				
			2 PLACES	± ---	± ---	MATERIAL NO. SEE TABLE				DOCUMENT NO. SDA-70431-****	SHEET NO. 1 OF 2
			1 PLACE	± ---	± ---	ANGULAR ±1/2°					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

	13	12	11	10	9	8	7	6	5	4	3	2	1																																																												
J	CKT. SIZE	TIN PLATE OPTION -A-		TIN PLATE OPTION -D-		15 GOLD PLATE OPTION -A-		15 GOLD PLATE OPTION -D-		30 GOLD PLATE OPTION -A-		30 GOLD PLATE OPTION -D-		TIN PLATE OPTION -G-																																																											
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	2	I5-38-9020	A-70431-0001	I5-38-9022	A-70431-0071	I5-47-4028	A-70431-0176	I5-47-5020	A-70431-0246	I5-47-5022	A-70431-0351	I5-47-5024	A-70431-0421																																																												
	3	-9030	-0002	-9032	-0072	-4038	-0177	-5030	-0247	-5032	-0352	-5034	-0422																																																												
	4	-9040	-0003	-9042	-0073	-4048	-0178	-5040	-0248	-5042	-0353	-5044	-0423																																																												
I	5	-9050	-0004	-9052	-0074	-4058	-0179	-5050	-0249	-5052	-0354	-5054	-0424																																																												
	6	-9060	-0005	-9062	-0075	-4068	-0180	-5060	-0250	-5062	-0355	-5064	-0425																																																												
	7	-9070	-0006	-9072	-0076	-4078	-0181	-5070	-0251	-5072	-0356	-5074	-0426																																																												
	8	-9080	-0007	-9082	-0077	-4088	-0182	-5080	-0252	-5082	-0357	-5084	-0427																																																												
	9	-9090	-0008	-9092	-0078	-4098	-0183	-5090	-0253	-5092	-0358	-5094	-0428																																																												
	10	-9100	-0009	-9102	-0079	-4108	-0184	-5100	-0254	-5102	-0359	-5104	-0429	I5-38-9103	A-70431-0149																																																										
	11	-9110	-0010	-9112	-0080	-4118	-0185	-5110	-0255	-5112	-0360	-5114	-0430																																																												
H	12	-9120	-0011	-9122	-0081	-4128	-0186	-5120	-0256	-5122	-0361	-5124	-0431																																																												
	13	-9130	-0012	-9132	-0082	-4138	-0187	-5130	-0257	-5132	-0362	-5134	-0432																																																												
	14	-9140	-0013	-9142	-0083	-4148	-0188	-5140	-0258	-5142	-0363	-5144	-0433																																																												
	15	-9150	-0014	-9152	-0084	-4158	-0189	-5150	-0259	-5152	-0364	-5154	-0434																																																												
	16	-9160	-0015	-9162	-0085	-4168	-0190	-5160	-0260	-5162	-0365	-5164	-0435																																																												
	17	-9170	-0016	-9172	-0086	-4178	-0191	-5170	-0261	-5172	-0366	-5174	-0436																																																												
G	18	-9180	-0017	-9182	-0087	-4188	-0192	-5180	-0262	-5182	-0367	-5184	-0437																																																												
	19	-9190	-0018	-9192	-0088	-4198	-0193	-5190	-0263	-5192	-0368	-5194	-0438																																																												
	20	-9200	-0019	-9202	-0089	-4208	-0194	-5200	-0264	-5202	-0369	-5204	-0439																																																												
	21	-9210	-0020	-9212	-0090	-4218	-0195	-5210	-0265	-5212	-0370	-5214	-0440																																																												
	22	-9220	-0021	-9222	-0091	-4228	-0196	-5220	-0266	-5222	-0371	-5224	-0441																																																												
	23	-9230	-0022	-9232	-0092	-4238	-0197	-5230	-0267	-5232	-0372	-5234	-0442																																																												
	24	-9240	-0023	-9242	-0093	-4248	-0198	-5240	-0268	-5242	-0373	-5244	-0443																																																												
F	25	I5-38-9250	A-70431-0024	I5-38-9252	A-70431-0094	I5-47-4258	A-70431-0199	I5-47-5250	A-70431-0269	I5-47-5252	A-70431-0374	I5-47-5254	A-70431-0444																																																												
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