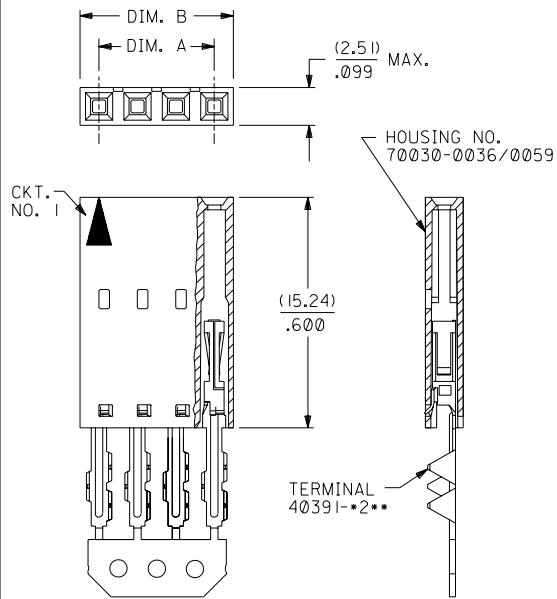
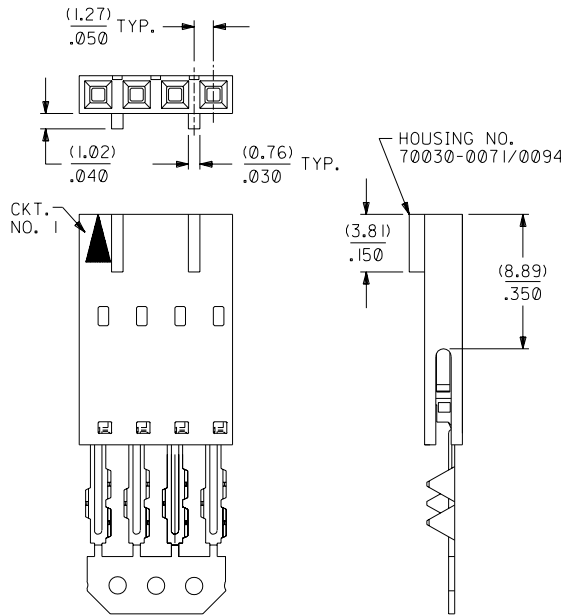


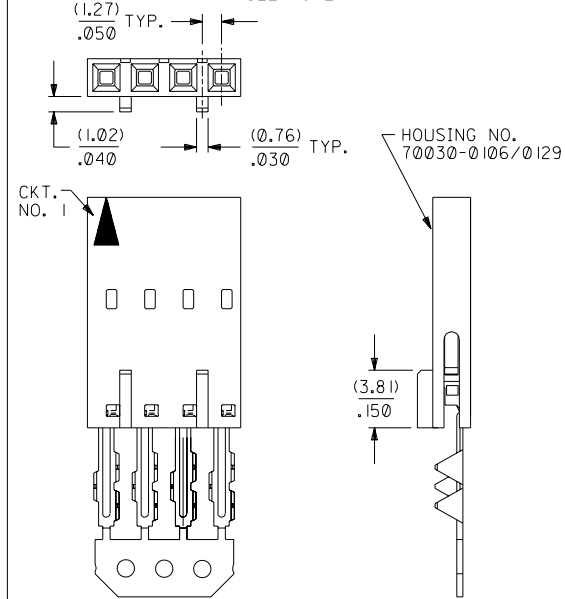
# OPTION -A-



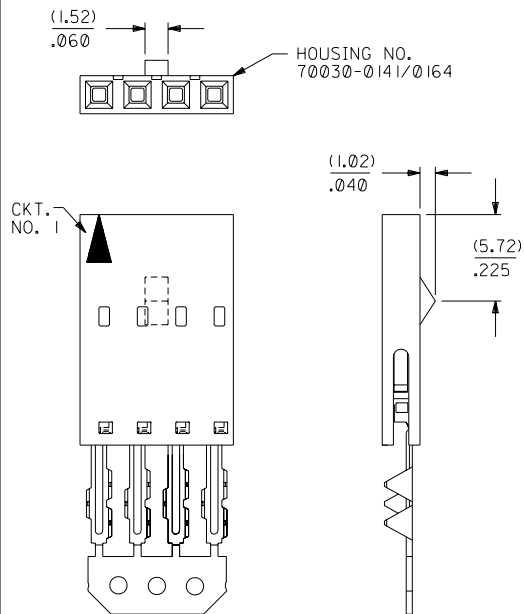
# OPTION -C-



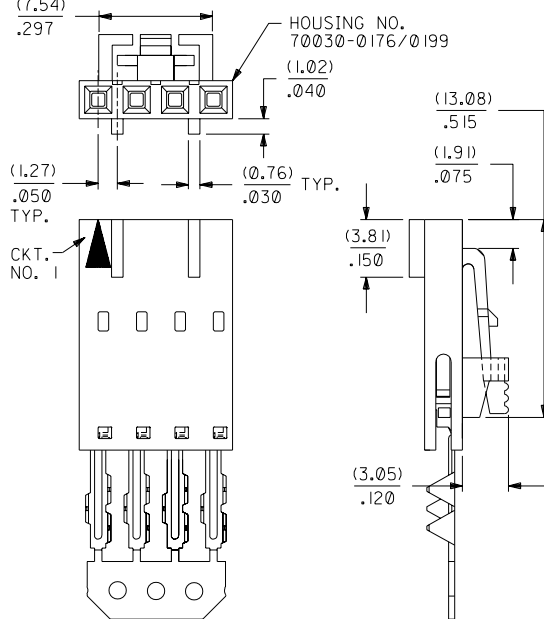
# OPTION -D- (SEE NOTE 7)



# OPTION -E-

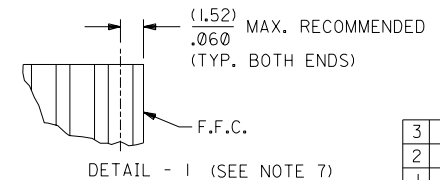


# OPTION -G- (SEE NOTE 8)



## 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.



| 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 |

70430

C

B

A

|   |   |
|---|---|
| 3 | D |
| 2 | E |
| 1 | E |

MFG. SH. REV.

PRINT CORRECTIONS  
ECN #UDT2001-1260  
BSMART 05/14/01

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

|         | INCH   | METRIC |
|---------|--------|--------|
| 3 PLACE | ± .001 | ± .025 |
| 2 PLACE | ± .005 | ± .127 |
| 1 PLACE | ± .010 | ± .254 |

DRAFT WHERE APPLICABLE MUST  
REMAIN WITHIN DIMENSIONS

DRWG. BY RAS  
APP'D. BY WAZ

▽ = TBD ▼ = TBD REVISE ONLY ON CAD SYSTEM

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

MOLEX INCORPORATED  
LITSE, ILL. 60532 U.S.A.

SHEET NO. 1 OF 3 DATE 7/23/86

PART NO. SDA-70430-\*\*\*\*

FILE NAME SET0430X1.DGN

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

DA C

D

C3

C2

LEAD FREE  
UCP2004-1769  
RWHITE 04/03/24

LTR. REVISIONS

LTR. REVISIONS

WCM

SCALE 4:1

6

7

8

9

10

11

12

13

2 NO PS

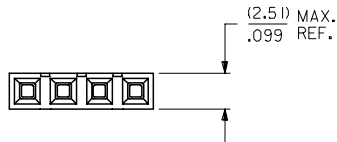
1

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

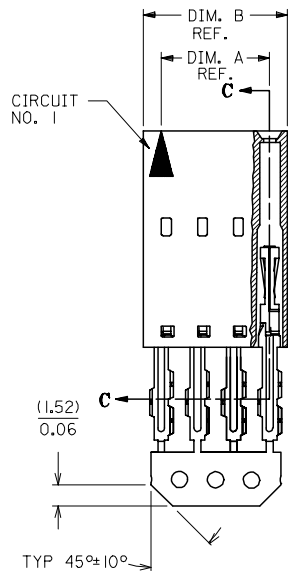
"A" - OPTION

**NOTES:**

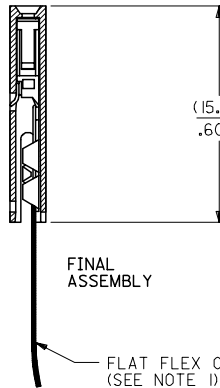
- 1) PRE LOADED ASSEMBLY TO BE USED WITH (0.30)/.012 MAX. THICK FLAT FLEX CABLE WITH (1.57)/.062 WIDE COPPER CONDUCTORS ON (2.54)/.100 CENTERS OR, (0.13)/.005 - (0.28)/.011 THICK MYLAR WITH (1.02)/.040 - (1.65)/.065 WIDE SILVER INK CONDUCTORS ON (2.54)/.100 CENTERS.
- 2) STANDARD PACKING PER PK70873-0001 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)<br>.100   | (5.05)<br>.199   |
| 3         | 015-38-8038 | 70430-0002 | (5.08)<br>.200   | (7.59)<br>.299   |
| 4         | 015-38-8048 | 70430-0003 | (7.62)<br>.300   | (10.13)<br>.399  |
| 5         | 015-38-8058 | 70430-0004 | (10.16)<br>.400  | (12.67)<br>.499  |
| 6         | 015-38-8068 | 70430-0005 | (12.70)<br>.500  | (15.21)<br>.599  |
| 7         | 015-38-8078 | 70430-0006 | (15.24)<br>.600  | (17.75)<br>.699  |
| 8         | 015-38-8088 | 70430-0007 | (17.78)<br>.700  | (20.29)<br>.799  |
| 9         | 015-38-8098 | 70430-0008 | (20.32)<br>.800  | (22.83)<br>.899  |
| 10        | 015-38-8108 | 70430-0009 | (22.86)<br>.900  | (25.37)<br>.999  |
| 11        | 015-38-8118 | 70430-0010 | (25.40)<br>1.000 | (27.91)<br>1.099 |
| 12        | 015-38-8128 | 70430-0011 | (27.94)<br>1.100 | (30.45)<br>1.199 |
| 13        | 015-38-8138 | 70430-0012 | (30.48)<br>1.200 | (32.99)<br>1.299 |
| 14        | 015-38-8148 | 70430-0013 | (33.02)<br>1.300 | (35.53)<br>1.399 |
| 15        | 015-38-8158 | 70430-0014 | (35.56)<br>1.400 | (38.07)<br>1.499 |
| 16        | 015-38-8168 | 70430-0015 | (38.10)<br>1.500 | (40.61)<br>1.599 |
| 17        | 015-38-8178 | 70430-0016 | (40.64)<br>1.600 | (43.15)<br>1.699 |
| 18        | 015-38-8188 | 70430-0017 | (43.18)<br>1.700 | (45.69)<br>1.799 |
| 19        | 015-38-8198 | 70430-0018 | (45.72)<br>1.800 | (48.23)<br>1.899 |
| 20        | 015-38-8208 | 70430-0019 | (48.26)<br>1.900 | (50.77)<br>1.999 |
| 21        | 015-38-8218 | 70430-0020 | (50.80)<br>2.000 | (53.31)<br>2.099 |
| 22        | 015-38-8228 | 70430-0021 | (53.34)<br>2.100 | (55.85)<br>2.199 |
| 23        | 015-38-8238 | 70430-0022 | (55.88)<br>2.200 | (58.39)<br>2.299 |
| 24        | 015-38-8248 | 70430-0023 | (58.42)<br>2.300 | (60.93)<br>2.399 |
| 25        | 015-38-8258 | 70430-0024 | (60.96)<br>2.400 | (63.47)<br>2.499 |

|                                                                                                                           |                                   |                                       |                 |                                                                                                                               |                         |                          |                        |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------|------------------------|
| ADD TOLERANCE<br>EC NO: UCP2007-2849<br>DRAWN: JORGAN 2007/05/18<br>CHKD: MS BARRA 2007/05/21<br>APPR: SMILLER 2007/05/21 | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE |                                                                                                                               | SCALE                   | DESIGN UNITS             | THIRD ANGLE PROJECTION |
|                                                                                                                           |                                   |                                       | MM/IN           |                                                                                                                               | 4:1                     | INCH                     |                        |
|                                                                                                                           |                                   |                                       | mm              | INCH                                                                                                                          | TITLE                   |                          |                        |
|                                                                                                                           |                                   |                                       | 4 PLACES ± ---  | ± ---                                                                                                                         | ASSEMBLY, CONNECTOR FFC |                          |                        |
|                                                                                                                           |                                   |                                       | 3 PLACES ± ---  | ± .010                                                                                                                        | FEMALE SINGLE ROW       |                          |                        |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                | REV                               | 2 PLACES ± 0.25                       | ± .015          | CHECKED BY                                                                                                                    | DATE                    | MOLEX MOLEX INCORPORATED |                        |
|                                                                                                                           |                                   | 1 PLACE ± 0.38                        | ± ---           | APPROVED BY                                                                                                                   | DATE                    | SDA-70430-0001-0024      |                        |
|                                                                                                                           |                                   | ANGULAR ± 1/2°                        |                 | MATERIAL NO.                                                                                                                  | DOCUMENT NO.            |                          | SHEET NO.              |
|                                                                                                                           |                                   | SEE TABLE                             |                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                         | 1 OF 1                   |                        |
|                                                                                                                           |                                   |                                       |                 |                                                                                                                               |                         |                          |                        |