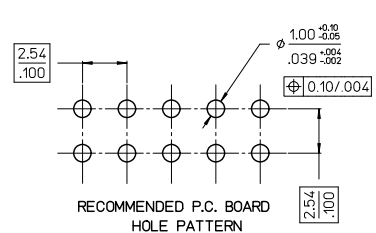
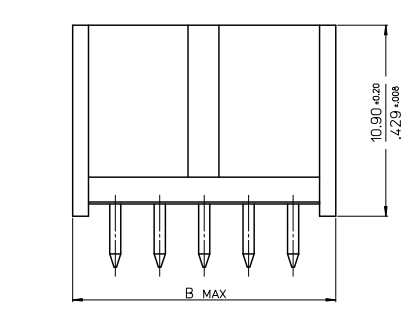
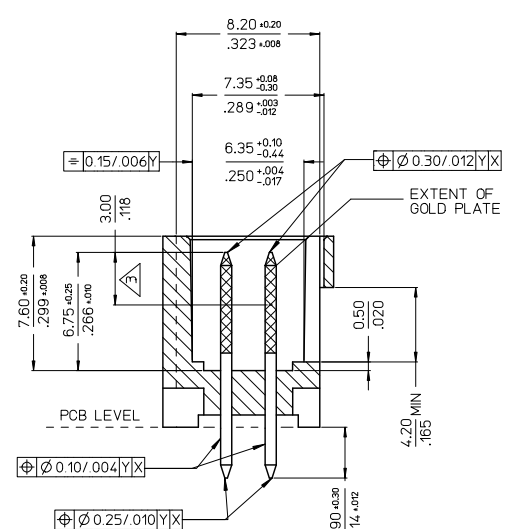
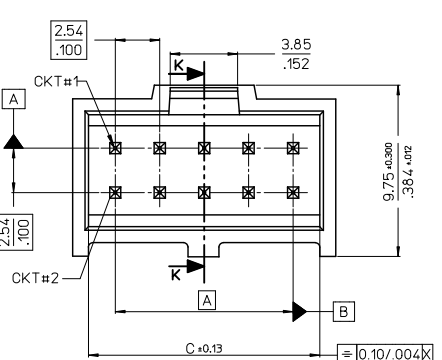


10 9 8 7 6 5 4 3 2 1

- NOTES :
1. MATERIAL:-  
 - PIN:- (0.65)/.0255 SQ. BRASS WIRE.  
 - HOUSING:- 15% GLASS FILLED POLYESTER  
 - UL 94 V-0 COLOUR BLACK
  2. FOR PLATING VERSIONS AND VOID VERSIONS  
 SEE SHEET 2.
  3. MEASUREMENT POINT FOR MINIMUM PLATING THICKNESS.
  4. FOR PRODUCT SPEC SEE PS-99020-0001
  5. RECOMMENDED PCB THICKNESS: 1.60mm

| CKT | DIM A          | DIM B          | DIM C          |
|-----|----------------|----------------|----------------|
| 6   | (5.08)/ .200   | (9.96)/ .392   | (8.12)/ .320   |
| 8   | (7.62)/ .300   | (12.50)/ .492  | (10.66)/ .420  |
| 10  | (10.16)/ .400  | (15.04)/ .592  | (13.20)/ .520  |
| 12  | (12.70)/ .500  | (17.58)/ .692  | (15.74)/ .620  |
| 14  | (15.24)/ .600  | (20.12)/ .792  | (18.28)/ .720  |
| 16  | (17.78)/ .700  | (22.66)/ .892  | (20.82)/ .820  |
| 18  | (20.32)/ .800  | (25.20)/ .992  | (23.36)/ .920  |
| 20  | (22.86)/ .900  | (27.74)/ 1.092 | (25.90)/ 1.020 |
| 22  | (25.40)/ 1.000 | (30.28)/ 1.192 | (28.44)/ 1.120 |
| 24  | (27.94)/ 1.100 | (32.82)/ 1.292 | (30.98)/ 1.220 |
| 26  | (30.48)/ 1.200 | (35.36)/ 1.392 | (33.52)/ 1.320 |
| 28  | (33.02)/ 1.300 | (37.90)/ 1.492 | (36.06)/ 1.420 |
| 30  | (35.56)/ 1.400 | (40.44)/ 1.592 | (38.60)/ 1.520 |
| 32  | (38.10)/ 1.500 | (42.98)/ 1.692 | (41.15)/ 1.620 |
| 34  | (40.64)/ 1.600 | (45.52)/ 1.792 | (43.68)/ 1.720 |
| 36  | (43.18)/ 1.700 | (48.06)/ 1.892 | (46.22)/ 1.820 |
| 38  | (45.72)/ 1.800 | (50.60)/ 1.992 | (48.76)/ 1.920 |
| 40  | (48.26)/ 1.900 | (53.14)/ 2.092 | (51.30)/ 2.020 |
| 42  | (50.80)/ 2.000 | (55.68)/ 2.192 | (53.84)/ 2.120 |
| 44  | (53.34)/ 2.100 | (58.22)/ 2.292 | (56.38)/ 2.220 |
| 46  | (55.88)/ 2.200 | (60.76)/ 2.392 | (58.92)/ 2.320 |
| 48  | (58.42)/ 2.300 | (63.30)/ 2.492 | (61.46)/ 2.420 |
| 50  | (60.96)/ 2.400 | (65.84)/ 2.592 | (64.00)/ 2.520 |
| 52  | (63.50)/ 2.500 | (68.38)/ 2.692 | (66.54)/ 2.620 |
| 54  | (66.04)/ 2.600 | (70.92)/ 2.792 | (69.08)/ 2.720 |
| 56  | (68.58)/ 2.700 | (73.46)/ 2.892 | (71.62)/ 2.820 |
| 58  | (71.12)/ 2.800 | (76.00)/ 2.992 | (74.16)/ 2.920 |
| 60  | (73.66)/ 2.900 | (78.54)/ 3.092 | (76.70)/ 3.020 |
| 62  | (76.20)/ 3.000 | (81.08)/ 3.192 | (79.24)/ 3.120 |
| 64  | (78.74)/ 3.100 | (83.62)/ 3.292 | (81.78)/ 3.220 |
| 66  | (81.28)/ 3.200 | (86.16)/ 3.392 | (84.32)/ 3.320 |
| 68  | (83.82)/ 3.300 | (88.70)/ 3.492 | (86.86)/ 3.420 |

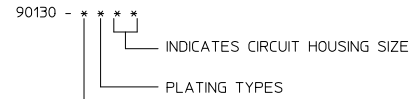


|   |  |                                       |                 |   |              |  |
|---|--|---------------------------------------|-----------------|---|--------------|--|
| REVISED<br>EEC NO: SZ2011-0579<br>03/01/2011<br>CHYKATSEE<br>APPROVAL<br>2011/03/22<br>2011/03/22<br>2011/03/22 | QUALITY SYMBOLS                                      | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE   | DESIGN UNITS | THIRD ANGLE PROJECTION   |
|   | ▽=0  | mm INCH                               | MM/IN           | NTS   | METRIC       |  |
|   | ▽=0  | 4 PLACES ± --- ± ---                  | DRAWN BY DATE   |   |              |  |
|   | ▽=0  | 3 PLACES ± --- ± .004                 | KS 1988/08/23   | TITLE   |              |  |
|   | 2 PLACES ± 0.10 ± ---                                | CHECKED BY DATE                       |                 |   |              | C-GRID III<br>DUAL ROW STRAIGHT<br>SHROUDED HEADER<br>MOLEX INCORPORATED |
|   | 1 PLACE ± --- ± ---                                  | ATSEE 2010/02/11                      |                 |   |              |  |
|   | ANGULAR ± 1/2°                                       | APPROVED BY DATE                      |                 |   |              | SDA-90130<br>1 OF 4  |
|   | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | MLONG 2010/02/19                      |                 |   |              |  |
|   |  | MATERIAL NO.                          | SEE TABLE       |   |              |  |
|   |  | SIZE                                  | A               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |  |

**VERSION FULLY LOADED**

**NOTES :**

- 1. FOR ASSEMBLY, SEE SHEET 1.
- 2. REFER TO LEGEND FOR PLATING OPTIONS.



STYLE: - 1. STRAIGHT PIN VERSION  
8. VERSION WITH VOIDS

- 1 - TYPE A:  
3.04µm MIN. TIN OVER 1.27µm - 2.54µm NICKEL.
- 2 - TYPE B:  
0.38µm MIN. GOLD IN SELECTED AREA & 3.04µm MIN. TIN IN SELECTED AREA OVER 1.34µm MIN. NICKEL OVERALL.
- 3 - TYPE C:  
0.76µm MIN. GOLD IN SELECTED AREA & 3.04µm MIN. TIN IN SELECTED AREA OVER 1.34µm MIN. NICKEL OVERALL.
- 4 - TYPE D:  
0.05 - 0.10µm GOLD FLASH IN SELECTED AREA & 3.04µm MIN. TIN IN SELECTED AREA OVER 1.34µm MIN. NICKEL OVERALL.

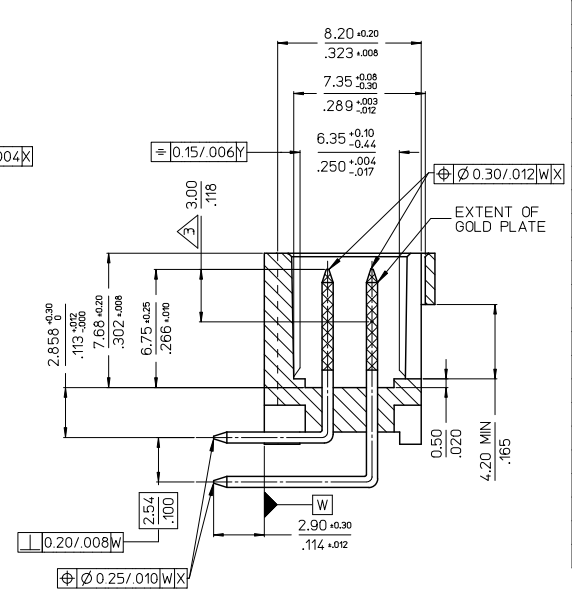
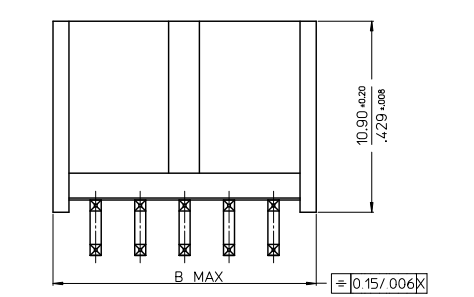
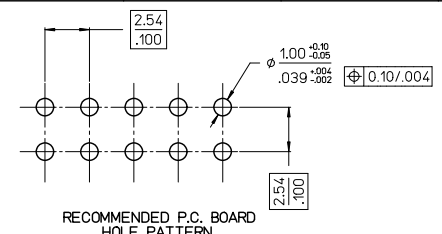
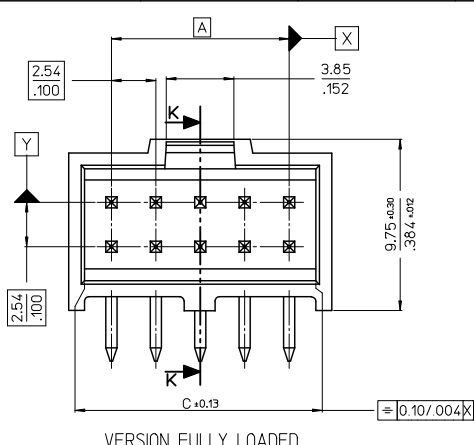
**VOIDED OPTIONS**

| NO OF CKTS | HSG CKT SIZE | VOIDED PART NUMBER | VOID POSITION | PLATING TYPE |
|------------|--------------|--------------------|---------------|--------------|
| 11         | 12           | 90130-8212         | 12            | B            |
| 9          | 10           | 90130-8309         | 2             | C            |
| 9          | 10           | 90130-8311         | 1             | C            |
| 11         | 12           | 90130-8213         | 2             | B            |
| 11         | 12           | 90130-8313         | 2             | C            |

| NO OF CKTS | HSG CKT SIZE | PART NUMBER    |                |                |                |
|------------|--------------|----------------|----------------|----------------|----------------|
|            |              | PLATING TYPE A | PLATING TYPE B | PLATING TYPE C | PLATING TYPE D |
| 6          | 6            | 90130-X106     | 90130-X206     | 90130-X306     | 90130-X406     |
| 8          | 8            | X108           | X208           | X308           | X408           |
| 10         | 10           | X110           | X210           | X310           | X410           |
| 12         | 12           | X112           | X212           | X312           | X412           |
| 14         | 14           | X114           | X214           | X314           | X414           |
| 16         | 16           | X116           | X216           | X316           | X416           |
| 18         | 18           | X118           | X218           | X318           | X418           |
| 20         | 20           | X120           | X220           | X320           | X420           |
| 22         | 22           | X122           | X222           | X322           | X422           |
| 24         | 24           | X124           | X224           | X324           | X424           |
| 26         | 26           | X126           | X226           | X326           | X426           |
| 28         | 28           | X128           | X228           | X328           | X428           |
| 30         | 30           | X130           | X230           | X330           | X430           |
| 32         | 32           | X132           | X232           | X332           | X432           |
| 34         | 34           | X134           | X234           | X334           | X434           |
| 36         | 36           | X136           | X236           | X336           | X436           |
| 38         | 38           | X138           | X238           | X338           | X438           |
| 40         | 40           | X140           | X240           | X340           | X440           |
| 42         | 42           | X142           | X242           | X342           | X442           |
| 44         | 44           | X144           | X244           | X344           | X444           |
| 46         | 46           | X146           | X246           | X346           | X446           |
| 48         | 48           | X148           | X248           | X348           | X448           |
| 50         | 50           | X150           | X250           | X350           | X450           |
| 52         | 52           | X152           | X252           | X352           | X452           |
| 54         | 54           | X154           | X254           | X354           | X454           |
| 56         | 56           | X156           | X256           | X356           | X456           |
| 58         | 58           | X158           | X258           | X358           | X458           |
| 60         | 60           | X160           | X260           | X360           | X460           |
| 62         | 62           | X162           | X262           | X362           | X462           |
| 64         | 64           | X164           | X264           | X364           | X464           |
| 66         | 66           | X166           | X266           | X366           | X466           |
| 68         | 68           | 90130-X168     | 90130-X268     | 90130-X368     | 90130-X468     |

|  |                                      |  |   |  |   |
|--|--------------------------------------|--|---|--|---|
| REVISED<br>E.C. NO: S2011-0579<br>DRW: WSKANG<br>CHK: ATSEE<br>APPR: MLONG<br>2011/03/08<br>2011/03/22<br>2011/03/22 | QUALITY SYMBOLS<br>∇=0<br>∇=0<br>∇=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm      INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± .004<br>2 PLACES ± 0.10 ± ---<br>1 PLACE ± --- ± ---<br>ANGULAR ± 1/2° | DIMENSION STYLE<br>MM/IN<br>DRAWN BY: KS      DATE: 1988/08/23<br>CHECKED BY: ATSEE      DATE: 2010/02/11<br>APPROVED BY: MLONG      DATE: 2010/02/19 | SCALE: NTS<br>DESIGN UNITS: METRIC<br>THIRD ANGLE PROJECTION |   |
|  |                                      | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   |   |  | MATERIAL NO. SEE TABLE<br>DOCUMENT NO. SDA-90130  |
|  |                                      | TITLE: C-GRID III DUAL ROW STRAIGHT SHROUDED HEADER  |   |  | MOLEX INCORPORATED  |
|  |                                      | SHEET NO. 2 OF 4   |   |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |

10 9 8 7 6 5 4 3 2 1



| CKT | DIM A          | DIM B          | DIM C          |
|-----|----------------|----------------|----------------|
| 6   | (5.08)/ .200   | (9.96)/ .392   | (8.12)/ .320   |
| 8   | (7.62)/ .300   | (12.50)/ .492  | (10.66)/ .420  |
| 10  | (10.16)/ .400  | (15.04)/ .592  | (13.20)/ .520  |
| 12  | (12.70)/ .500  | (17.58)/ .692  | (15.74)/ .620  |
| 14  | (15.24)/ .600  | (20.12)/ .792  | (18.28)/ .720  |
| 16  | (17.78)/ .700  | (22.66)/ .892  | (20.82)/ .820  |
| 18  | (20.32)/ .800  | (25.20)/ .992  | (23.36)/ .920  |
| 20  | (22.86)/ .900  | (27.74)/ 1.092 | (25.90)/ 1.020 |
| 22  | (25.40)/ 1.000 | (30.28)/ 1.192 | (28.44)/ 1.120 |
| 24  | (27.94)/ 1.100 | (32.82)/ 1.292 | (30.98)/ 1.220 |
| 26  | (30.48)/ 1.200 | (35.36)/ 1.392 | (33.52)/ 1.320 |
| 28  | (33.02)/ 1.300 | (37.90)/ 1.492 | (36.06)/ 1.420 |
| 30  | (35.56)/ 1.400 | (40.44)/ 1.592 | (38.60)/ 1.520 |
| 32  | (38.10)/ 1.500 | (42.98)/ 1.692 | (41.15)/ 1.620 |
| 34  | (40.64)/ 1.600 | (45.52)/ 1.792 | (43.68)/ 1.720 |
| 36  | (43.18)/ 1.700 | (48.06)/ 1.892 | (46.22)/ 1.820 |
| 38  | (45.72)/ 1.800 | (50.60)/ 1.992 | (48.76)/ 1.920 |
| 40  | (48.26)/ 1.900 | (53.14)/ 2.092 | (51.30)/ 2.020 |
| 42  | (50.80)/ 2.000 | (55.68)/ 2.192 | (53.84)/ 2.120 |
| 44  | (53.34)/ 2.100 | (58.22)/ 2.292 | (56.38)/ 2.220 |
| 46  | (55.88)/ 2.200 | (60.76)/ 2.392 | (58.92)/ 2.320 |
| 48  | (58.42)/ 2.300 | (63.30)/ 2.492 | (61.46)/ 2.420 |
| 50  | (60.96)/ 2.400 | (65.84)/ 2.592 | (64.00)/ 2.520 |
| 52  | (63.50)/ 2.500 | (68.38)/ 2.692 | (66.54)/ 2.620 |
| 54  | (66.04)/ 2.600 | (70.92)/ 2.792 | (69.08)/ 2.720 |
| 56  | (68.58)/ 2.700 | (73.46)/ 2.892 | (71.62)/ 2.820 |
| 58  | (71.12)/ 2.800 | (76.00)/ 2.992 | (74.16)/ 2.920 |
| 60  | (73.66)/ 2.900 | (78.54)/ 3.092 | (76.70)/ 3.020 |
| 62  | (76.20)/ 3.000 | (81.08)/ 3.192 | (79.24)/ 3.120 |
| 64  | (78.74)/ 3.100 | (83.62)/ 3.292 | (81.78)/ 3.220 |
| 66  | (81.28)/ 3.200 | (86.16)/ 3.392 | (84.32)/ 3.320 |
| 68  | (83.82)/ 3.300 | (88.70)/ 3.492 | (86.86)/ 3.420 |

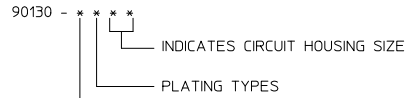
- NOTES :
- MATERIAL:-  
- PIN:- (0.65)/.0255 SQ. BRASS WIRE.  
- HOUSING:- 15% GLASS FILLED POLYESTER  
- UL 94 V-0 COLOUR BLACK
  - FOR PLATING VERSIONS AND VOID VERSIONS SEE SHEET 2.
  - MEASUREMENT POINT FOR MINIMUM PLATING THICKNESS.
  - FOR PRODUCT SPEC SEE PS-99020-0001
  - RECOMMENDED PCB THICKNESS: 1.60mm

|   |  |   |                    |  |                     |                        |
|---|--|---|--------------------|--|---------------------|------------------------|
| REVISED<br>E.C. NO: S2011-0579<br>BY: DRWNSKANG<br>CHKD: ATSEE<br>APPR: MLONG<br>2011/03/08<br>2011/03/22<br>2011/03/22 | QUALITY SYMBOLS  | GENERAL TOLERANCES (UNLESS SPECIFIED)   | DIMENSION STYLE    | SCALE  | DESIGN UNITS        | THIRD ANGLE PROJECTION |
|   | ∇=0<br>∇=0<br>∇=0  | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± .004<br>2 PLACES ± 0.10 ± ---<br>1 PLACE ± --- ± ---<br>ANGULAR ± 1/2°     | MM/IN              | NTS  | METRIC              |                        |
|   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | DRAWN BY: KS<br>DATE: 1988/08/23<br>CHECKED BY: ATSEE<br>DATE: 2010/02/11<br>APPROVED BY: MLONG<br>DATE: 2010/02/19 | TITLE              | C-GRID III<br>DUAL ROW STRAIGHT<br>SHROUDED HEADER |                     |                        |
|   | MATERIAL NO.<br>SEE TABLE                                  | DOCUMENT NO.<br>SDA-90130   | MOLEX INCORPORATED |  | SHEET NO.<br>3 OF 4 |                        |

**VERSION FULLY LOADED**

| NO OF CKTS | HSG CKT SIZE | PART NUMBER    |                |                |
|------------|--------------|----------------|----------------|----------------|
|            |              | PLATING TYPE A | PLATING TYPE B | PLATING TYPE C |
| 6          | 6            | 90130-X106     | 90130-X206     | 90130-X306     |
| 8          | 8            | X108           | X208           | X308           |
| 10         | 10           | X110           | X210           | X310           |
| 12         | 12           | X112           | X212           | X312           |
| 14         | 14           | X114           | X214           | X314           |
| 16         | 16           | X116           | X216           | X316           |
| 18         | 18           | X118           | X218           | X318           |
| 20         | 20           | X120           | X220           | X320           |
| 22         | 22           | X122           | X222           | X322           |
| 24         | 24           | X124           | X224           | X324           |
| 26         | 26           | X126           | X226           | X326           |
| 28         | 28           | X128           | X228           | X328           |
| 30         | 30           | X130           | X230           | X330           |
| 32         | 32           | X132           | X232           | X332           |
| 34         | 34           | X134           | X234           | X334           |
| 36         | 36           | X136           | X236           | X336           |
| 38         | 38           | X138           | X238           | X338           |
| 40         | 40           | X140           | X240           | X340           |
| 42         | 42           | X142           | X242           | X342           |
| 44         | 44           | X144           | X244           | X344           |
| 46         | 46           | X146           | X246           | X346           |
| 48         | 48           | X148           | X248           | X348           |
| 50         | 50           | X150           | X250           | X350           |
| 52         | 52           | X152           | X252           | X352           |
| 54         | 54           | X154           | X254           | X354           |
| 56         | 56           | X156           | X256           | X356           |
| 58         | 58           | X158           | X258           | X358           |
| 60         | 60           | X160           | X260           | X360           |
| 62         | 62           | X162           | X262           | X362           |
| 64         | 64           | X164           | X264           | X364           |
| 66         | 66           | X166           | X266           | X366           |
| 68         | 68           | 90130-X168     | 90130-X268     | 90130-X368     |

NOTES :  
 1. FOR ASSEMBLY, SEE SHEET 1.  
 2. REFER TO LEGEND FOR PLATING OPTIONS



STYLE: - 3. RIGHT ANGLE VERSION

- 1 - TYPE A:  
3.0µm MIN. TIN OVER 1.27µm - 2.54µm NICKEL.
- 2 - TYPE B:  
0.38µm MIN. GOLD IN SELECTED AREA & 3.0µm MIN. TIN IN SELECTED AREA OVER 1.3µm MIN. NICKEL OVERALL.
- 3 - TYPE C:  
0.76µm MIN. GOLD IN SELECTED AREA & 3.0µm MIN. TIN IN SELECTED AREA OVER 1.3µm MIN. NICKEL OVERALL.

|  |   |                  |   |                 |       |  |                        |  |
|--|---|------------------|---|-----------------|-------|--|------------------------|--|
| REVISED<br>EC NO: S2011-0579<br>DRAWNSKANG<br>CHKD:ATSEE<br>APPR:MLONG | DESCRIPTION<br>2011/03/08<br>2011/03/22<br>2011/03/22 | QUALITY SYMBOLS  | GENERAL TOLERANCES (UNLESS SPECIFIED)   | DIMENSION STYLE | SCALE | DESIGN UNITS                                       | THIRD ANGLE PROJECTION |  |
|  |   | ▽=0              | mm INCH   | MM/IN           | NTS   | METRIC   |                        |  |
|  |   | ▽=0              | 4 PLACES ± --- ± ---  | DRAWN BY DATE   | TITLE | C-GRID III<br>DUAL ROW STRAIGHT<br>SHROUDED HEADER |                        |  |
|  |   | ▽=0              | 3 PLACES ± --- ± .004   | KS 1988/08/23   |       |  |                        |  |
|  | 2 PLACES ± 0.10 ± ---                                 | CHECKED BY DATE  | MOLEX INCORPORATED  |                 |       |  |                        |  |
|  | 1 PLACE ± --- ± ---                                   | ATSEE 2010/02/11 |   |                 |       |  |                        |  |
|  | ANGULAR ±1/2°   | APPROVED BY DATE | SDA-90130   |                 |       |  |                        |  |
|  |   | MLONG 2010/02/19 |   |                 |       |  |                        |  |
|  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  | MATERIAL NO.     | SHEET NO.<br>4 OF 4   |                 |       |  |                        |  |
|  |   | SEE TABLE        |   |                 |       |  |                        |  |
|  |   | SIZE A3          | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                 |       |  |                        |  |