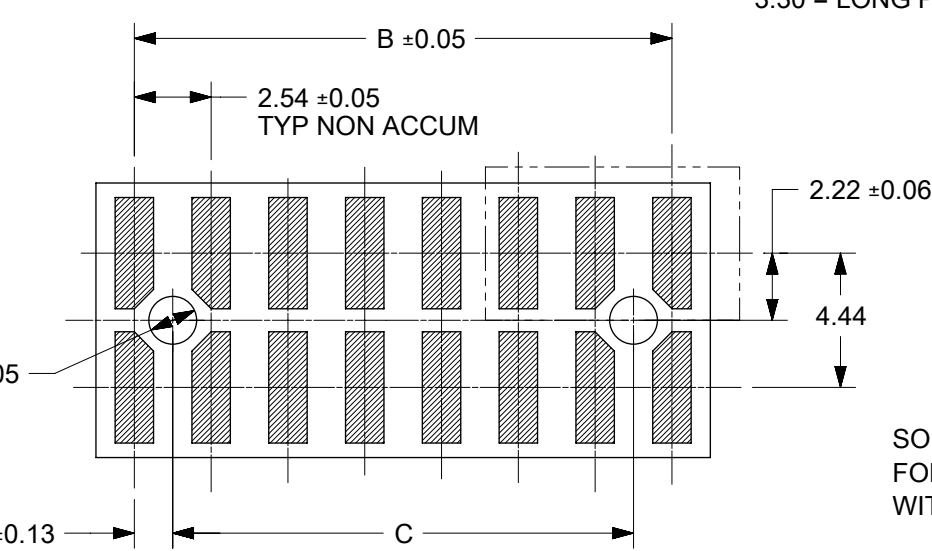


| CKTS | DIM A  | DIM B  | DIM C  |      |
|------|--------|--------|--------|------|
| 4    | 5.08   | 2.54   | NA     | 0.10 |
| 6    | 7.62   | 5.08   | 2.54   | 0.10 |
| 8    | 10.16  | 7.62   | 5.08   | 0.10 |
| 10   | 12.70  | 10.16  | 7.62   | 0.10 |
| 12   | 15.24  | 12.70  | 10.16  | 0.10 |
| 14   | 17.78  | 15.24  | 12.70  | 0.10 |
| 16   | 20.32  | 17.78  | 15.24  | 0.10 |
| 18   | 22.86  | 20.32  | 17.78  | 0.10 |
| 20   | 25.40  | 22.86  | 20.32  | 0.10 |
| 22   | 27.94  | 25.40  | 22.86  | 0.15 |
| 24   | 30.48  | 27.94  | 25.40  | 0.15 |
| 26   | 33.02  | 30.48  | 27.94  | 0.15 |
| 28   | 35.56  | 33.02  | 30.48  | 0.15 |
| 30   | 38.10  | 35.56  | 33.02  | 0.15 |
| 32   | 40.64  | 38.10  | 35.56  | 0.15 |
| 34   | 43.18  | 40.64  | 38.10  | 0.15 |
| 36   | 45.72  | 43.18  | 40.64  | 0.15 |
| 38   | 48.26  | 45.72  | 43.18  | 0.15 |
| 40   | 50.80  | 48.26  | 45.72  | 0.15 |
| 42   | 53.34  | 50.80  | 48.26  | 0.23 |
| 44   | 55.88  | 53.34  | 50.80  | 0.23 |
| 46   | 58.42  | 55.88  | 53.34  | 0.23 |
| 48   | 60.96  | 58.42  | 55.88  | 0.23 |
| 50   | 63.50  | 60.96  | 58.42  | 0.23 |
| 52   | 66.04  | 63.50  | 60.96  | 0.23 |
| 54   | 68.58  | 66.04  | 63.50  | 0.23 |
| 56   | 71.12  | 68.58  | 66.04  | 0.23 |
| 58   | 73.66  | 71.12  | 68.58  | 0.23 |
| 60   | 76.20  | 73.66  | 71.12  | 0.23 |
| 62   | 78.74  | 76.20  | 73.66  | 0.30 |
| 64   | 81.28  | 78.74  | 76.20  | 0.30 |
| 66   | 83.82  | 81.28  | 78.74  | 0.30 |
| 68   | 86.36  | 83.82  | 81.28  | 0.30 |
| 70   | 88.90  | 86.36  | 83.82  | 0.30 |
| 72   | 91.44  | 88.90  | 86.36  | 0.30 |
| 74   | 93.98  | 91.44  | 88.90  | 0.30 |
| 76   | 96.52  | 93.98  | 91.44  | 0.30 |
| 78   | 99.06  | 96.52  | 93.98  | 0.30 |
| 80   | 101.60 | 99.06  | 96.52  | 0.30 |
| 90   | 114.30 | 111.76 | 109.22 | 0.38 |
| 100  | 127.00 | 124.46 | 122.06 | 0.38 |



PCB LAYOUT: COMPONENT SIDE  
(FOR CKT 04,06 AND 08 REFER SHEET 2)

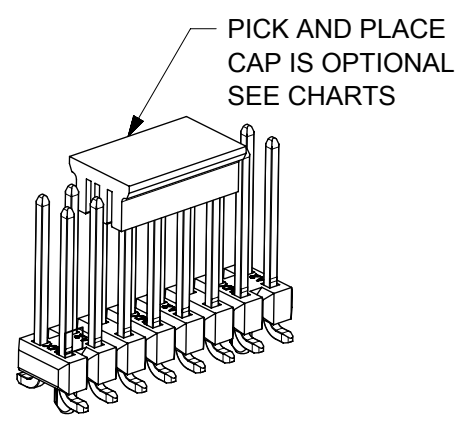
PEG OPTIONS  
NO PEG  
1.40 = SHORT PEG  
3.30 = LONG PEG

SOLDER PAD FOR CKTS WITHOUT PEGS

SOLDER PAD FOR CKTS WITH PEGS

NOTES:

- HOUSING MATERIAL: LCP, UL 94V-0 COLOR: BLACK  
PIN MATERIAL: COPPER ALLOY
- FINISH:  
124 = BRIGHT TIN: 3.81 MICROMETERS MIN OVER MATTE NICKEL  
207 = SELECT GOLD: 0.38 MICROMETERS MIN IN CONTACT AREA  
SELECT BRIGHT TIN: 2.0 MICROMETERS MIN IN SMT TAIL BOTH OVER NICKEL.  
206 = SELECT GOLD: 0.75 MICROMETERS MIN IN CONTACT AREA  
SELECT BRIGHT TIN: 2.0 MICROMETERS MIN IN SMT TAIL BOTH OVER NICKEL.  
197 = REFLOW MATTE TIN: 1.52 MICROMETERS MIN OVER MATTE NICKEL  
222 = MATTE TIN: 2.54 MICROMETERS MIN OVER MATTE NICKEL  
118 = BRIGHT TIN: 1.52 MICROMETERS MIN OVER NICKEL
- PRODUCT SPECIFICATION: PS-71308
- PACKAGING SPECIFICATION: SEE CHART
- COSMETIC SPECIFICATION: PS-45499-002 CLASS B
- SOLDERABILITY SPECIFICATION: SMES-152



| DRAWING SHEET INDEX |                  |                     |
|---------------------|------------------|---------------------|
| SHEET NO            | PEG STYLE        | DIM M MATING HEIGHT |
| 2                   | NONE             | 6.10                |
| 3                   | NONE             | 6.10                |
| 4                   | NONE             | 8.13                |
| 5                   | LONG             | 6.10                |
| 6                   | LONG             | 8.13                |
| 7                   | SHORT            | 6.10                |
| 8                   | SHORT            | 8.13                |
| 9                   | PARTS WITH VOIDS |                     |

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

|  |                        |                    |            |                          |          |          |
|--|------------------------|--------------------|------------|--------------------------|----------|----------|
| DIMENSION UNITS<br><b>mm</b>                         | SCALE<br><b>3:1</b>    | CURRENT REV DESC:  |            | <b>molex</b>             |          |          |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |                        | EC NO: 743966      |            |                          |          |          |
| ANGULAR TOL ± °                                      |                        | DRWN: DANUSA       | 2022/10/27 | PRODUCT CUSTOMER DRAWING |          |          |
| 4 PLACES ±   |                        | CHK'D: SUAIFR      | 2023/03/31 | DOCUMENT NUMBER          |          |          |
| 3 PLACES ±   |                        | APPR: MRAMAKRISHNA | 2023/03/31 | 713080000-SD             |          |          |
| 2 PLACES ± 0.13                                      |                        | INITIAL REVISION:  |            | DOC TYPE                 | DOC PART | REVISION |
| 1 PLACE ± 0.25                                       |                        | DRWN: KSAMIEC      | 2017/09/07 | PSD                      | 000      | A9       |
| 0 PLACES ± 0.0                                       |                        | APPR: FSMITH       | 2018/07/03 | SHEET NUMBER             |          |          |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | THIRD ANGLE PROJECTION | DRAWING            | SERIES     | MATERIAL NUMBER          | CUSTOMER | 1 OF 10  |
|  |                        | B-SIZE             | 71308      |                          |          |          |

PICK AND PLACE CAP POSITION TO CONNECTOR

FOR CKT 04 and 08



FOR CKT 06



FOR CKT 12,16,20,24,28,32,36,40,44,48,52,56,60  
64,68,72,76,80,84,88,92,96 and 100



FOR CKT 10,14,18,22,26,30,34,38,42,46,50,54,58  
62,66,70,74,78,82,86,90,94 and 98



PICK AND PLACE CAP DIMENSIONS



KEEP OUT ZONE FOR CKT 04, 06 and 08  
AS CAP DIM IS LARGER THAN PART DIM



|   |  |       |  |   |  |            |  |                            |  |
|---|--|-------|--|---|--|------------|--|----------------------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |       |  |   |  |            |  |                            |  |
| DIMENSION UNITS   |  | SCALE |  | CURRENT REV DESC:                       |  |            |  |                            |  |
| mm  |  | 5:1   |  | molex                                   |  |            |  |                            |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |       |  | CGRID HEADER ASSY VERTICAL DUAL ROW SMT |  |            |  |                            |  |
| ANGULAR TOL ± °   |  |       |  | PRODUCT CUSTOMER DRAWING                |  |            |  |                            |  |
| 4 PLACES ±  |  |       |  | EC NO: 743966                           |  | 2022/10/27 |  | DOCUMENT NUMBER            |  |
| 3 PLACES ±  |  |       |  | DRWN: DANUSA                            |  | 2023/03/31 |  | 713080000-SD               |  |
| 2 PLACES ± 0.13   |  |       |  | CHK'D: SUAIFR                           |  | 2023/03/31 |  | DOC TYPE DOC PART REVISION |  |
| 1 PLACE ± 0.25  |  |       |  | APPR: MRAMAKRISHNA                      |  | 2023/03/31 |  | PSD 000 A9                 |  |
| 0 PLACES ± 0.0  |  |       |  | INITIAL REVISION:                       |  | 2017/09/07 |  | MATERIAL NUMBER            |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |  |       |  | DRWN: KSAMIEC                           |  | 2018/07/03 |  | CUSTOMER                   |  |
| THIRD ANGLE PROJECTION  |  |       |  | DRAWING                                 |  | SERIES     |  | SHEET NUMBER               |  |
| A3-SIZE   |  |       |  | 71308                                   |  | 2 OF 10    |  |                            |  |

| 10                  | 9                        | 8                 | 7                        | 6                        | 5                 | 4                        | 3                        | 2                 | 1                        |
|---------------------|--------------------------|-------------------|--------------------------|--------------------------|-------------------|--------------------------|--------------------------|-------------------|--------------------------|
| PLATING:            | 124 - BRIGHT TIN         | 124 - BRIGHT TIN  | 124 - BRIGHT TIN         | 207 - 0.38 SGOLD         | 207 - 0.38 SGOLD  | 207 - 0.38 SGOLD         | 206 - 0.76 SGOLD         | 206 - 0.76 SGOLD  | 206 - 0.76 SGOLD         |
| PACKAGING:          | TUBE 713080001-PK        | TUBE 713080002-PK | T&R 713080000-PK STYLE A | TUBE 713080001-PK        | TUBE 713080002-PK | T&R 713080000-PK STYLE A | TUBE 713080001-PK        | TUBE 713080002-PK | T&R 713080000-PK STYLE A |
| PICK AND PLACE CAPS | NO                       | YES               | YES                      | NO                       | YES               | YES                      | NO                       | YES               | YES                      |
| CKTS:               | MATERIAL NO              | MATERIAL NO       | MATERIAL NO              | MATERIAL NO              | MATERIAL NO       | MATERIAL NO              | MATERIAL NO              | MATERIAL NO       | MATERIAL NO              |
| 4                   | 015-91-2040              | NA                | 015-91-6040              | 015-91-0040              | NA                | 015-91-6042              | 015-91-3040              | NA                | 015-91-6043              |
| 6                   | 015-91-2060 / 71308-9060 | NA                | 015-91-6060              | 015-91-0060              | NA                | 015-91-6062              | 015-91-3060 / 71308-9061 | NA                | 015-91-6063              |
| 8                   | 015-91-2080 / 71308-9080 | 015-91-3087       | 015-91-6080              | 015-91-0080              | 015-91-3086       | 015-91-6082              | 015-91-3080              | 015-91-3088       | 015-91-6083              |
| 10                  | 015-91-2100              | 015-91-3107       | 015-91-6100              | 015-91-0100              | 015-91-3106       | 015-91-6102              | 015-91-3100 / 71308-3110 | 015-91-3108       | 015-91-6103              |
| 12                  | 015-91-2120              | 015-91-3127       | 015-91-6120              | 015-91-0120              | 015-91-3126       | 015-91-6122              | 015-91-3120              | 015-91-3128       | 015-91-6123              |
| 14                  | 015-91-2140              | 015-91-3147       | 015-91-6140              | 015-91-0140 / 71308-9140 | 015-91-3146       | 015-91-6142              | 015-91-3140              | 015-91-3148       | 015-91-6143              |
| 16                  | 015-91-2160              | 015-91-3167       | 015-91-6160              | 015-91-0160              | 015-91-3166       | 015-91-6162              | 015-91-3160              | 015-91-3168       | 015-91-6163              |
| 18                  | 015-91-2180              | 015-91-3187       |                          | 015-91-0180              | 015-91-3186       |                          | 015-91-3180              | 015-91-3188       |                          |
| 20                  | 015-91-2200              | 015-91-3207       | 015-91-6200              | 015-91-0200 / 71308-9200 | 015-91-3206       | 015-91-6202              | 015-91-3200              | 015-91-3208       | 015-91-6203              |
| 22                  | 015-91-2220              | 015-91-3227       |                          | 015-91-0220              | 015-91-3226       |                          | 015-91-3220              | 015-91-3228       |                          |
| 24                  | 015-91-2240              | 015-91-3247       | 71308-2240               | 015-91-0240              | 015-91-3246       |                          | 015-91-3240              | 015-91-3248       |                          |
| 26                  | 015-91-2260              | 015-91-3267       | 015-91-6260              | 015-91-0260              | 015-91-3266       | 015-91-6262              | 015-91-3260              | 015-91-3268       |                          |
| 28                  | 015-91-2280              | 015-91-3287       |                          | 015-91-0280              | 015-91-3286       |                          | 015-91-3280              | 015-91-3288       |                          |
| 30                  | 015-91-2300              | 015-91-3307       |                          | 015-91-0300              | 015-91-3306       |                          | 015-91-3300              | 015-91-3308       |                          |
| 32                  | 015-91-2320              | 015-91-3327       |                          | 015-91-0320              | 015-91-3326       |                          | 015-91-3320              | 015-91-3328       |                          |
| 34                  | 015-91-2340              | 015-91-3347       |                          | 015-91-0340              | 015-91-3346       |                          | 015-91-3340              | 015-91-3348       |                          |
| 36                  | 015-91-2360              | 015-91-3367       |                          | 015-91-0360              | 015-91-3366       |                          | 015-91-3360              | 015-91-3368       |                          |
| 38                  | 015-91-2380              | 015-91-3387       |                          | 015-91-0380              | 015-91-3386       |                          | 015-91-3380              | 015-91-3388       |                          |
| 40                  | 015-91-2400              | 015-91-3407       | 015-91-6400              | 015-91-0400              | 015-91-3406       | 015-91-6402              | 015-91-3400              | 015-91-3408       | 015-91-6403              |
| 42                  | 015-91-2420              | 015-91-3427       |                          | 015-91-0420              | 015-91-3426       |                          | 015-91-3420              | 015-91-3428       |                          |
| 44                  | 015-91-2440              | 015-91-3447       |                          | 015-91-0440              | 015-91-3446       |                          | 015-91-3440              | 015-91-3448       |                          |
| 46                  | 015-91-2460              | 015-91-3467       |                          | 015-91-0460              | 71308-0546        |                          | 015-91-3460              | 015-91-3468       |                          |
| 48                  | 015-91-2480              | 015-91-3487       |                          | 015-91-0480              | 015-91-3486       |                          | 015-91-3480              | 015-91-3488       |                          |
| 50                  | 015-91-2500              | 015-91-3507       | 015-91-6500              | 015-91-0500              | 015-91-3506       | 015-91-6502              | 015-91-3500              | 015-91-3508       | 015-91-6503              |
| 52                  | 015-91-2520              | 015-91-3527       |                          | 015-91-0520              | 015-91-3526       |                          | 015-91-3520              | 015-91-3528       |                          |
| 54                  | 015-91-2540              | 015-91-3547       |                          | 015-91-0540              | 015-91-3546       |                          | 015-91-3540              | 015-91-3548       |                          |
| 56                  | 015-91-2560              | 015-91-3567       |                          | 015-91-0560              | 015-91-3566       |                          | 015-91-3560              | 015-91-3568       |                          |
| 58                  | 015-91-2580              | 015-91-3587       |                          | 015-91-0580              | 015-91-3586       |                          | 015-91-3580              | 015-91-3588       |                          |
| 60                  | 015-91-2600              | 015-91-3607       |                          | 015-91-0600              | 015-91-3606       |                          | 015-91-3600              | 015-91-3608       |                          |
| 62                  | 015-91-2620              | 015-91-3627       |                          | 015-91-0620              | 015-91-3626       |                          | 015-91-3620              | 015-91-3628       |                          |
| 64                  | 015-91-2640              | 015-91-3647       |                          | 015-91-0640              | 015-91-3646       |                          | 015-91-3640              | 015-91-3648       |                          |
| 66                  | 015-91-2660              | 015-91-3667       |                          | 015-91-0660              | 015-91-3666       |                          | 015-91-3660              | 015-91-3668       |                          |
| 68                  | 015-91-2680              | 015-91-3687       |                          | 015-91-0680              | 015-91-3686       |                          | 015-91-3680              | 015-91-3688       |                          |
| 70                  | 015-91-2700              | 015-91-3707       |                          | 015-91-0700              | 015-91-3706       |                          | 015-91-3700              | 015-91-3708       |                          |
| 72                  | 015-91-2720              | 015-91-3727       |                          | 015-91-0720              | 015-91-3726       |                          | 015-91-3720              | 015-91-3728       |                          |
| 74                  | 015-91-2740              | 015-91-3747       |                          | 015-91-0740              | 015-91-3746       |                          | 015-91-3740              | 015-91-3748       |                          |
| 76                  | 015-91-2760              | 015-91-3767       |                          | 015-91-0760              | 015-91-3766       |                          | 015-91-3760              | 015-91-3768       |                          |
| 78                  | 015-91-2780              | 015-91-3787       |                          | 015-91-0780              | 015-91-3786       |                          | 015-91-3780              | 015-91-3788       |                          |
| 80                  | 015-91-2800              | 015-91-3807       |                          | 015-91-0800              | 015-91-3806       |                          | 015-91-3800              | 015-91-3808       |                          |
| 90                  |                          |                   |                          | 71308-0190               |                   |                          |                          |                   |                          |
| 100                 | 71308-0101               | 71308-0500        |                          | 71308-0200               | 71308-0600        |                          | 71308-0300               | 71308-0700        |                          |

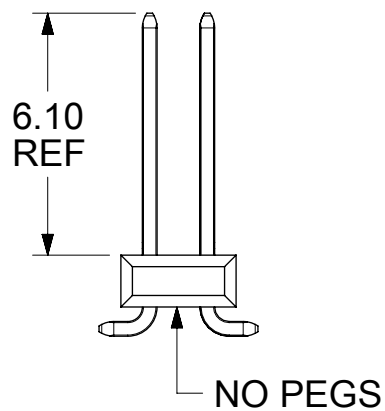
PARTS ON THIS SHEET ARE  
WITHOUT PEGS  
WITH 6.10 MATING LENGTH



|   |        |   |              |            |            |                   |               |                 |            |
|---|--------|---|--------------|------------|------------|-------------------|---------------|-----------------|------------|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |   |              |            |            |                   |               |                 |            |
| DIMENSION UNITS   | SCALE  | CURRENT REV DESC:   |              |            |            |                   |               |                 |            |
| mm  | 1:1    | <b>molex</b><br>CGRID HEADER ASSY VERTICAL DUAL ROW SMT<br>PRODUCT CUSTOMER DRAWING<br>DOCUMENT NUMBER: 713080000-SD   DOC TYPE: PSD   DOC PART: 000   REVISION: A9<br>MATERIAL NUMBER:   CUSTOMER:   SHEET NUMBER: 3 OF 10 |              |            |            |                   |               |                 |            |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |        |   |              |            |            |                   |               |                 |            |
| ANGULAR TOL   | ± °    |   |              |            |            |                   |               |                 |            |
| 4 PLACES  | ±      |   |              |            |            |                   |               |                 |            |
| 3 PLACES  | ±      |   |              |            |            |                   |               |                 |            |
| 2 PLACES  | ± 0.13 |   |              |            |            |                   |               |                 |            |
| 1 PLACE   | ± 0.25 | EC NO: 743966   | DRWN: DANUSA |            | 2022/10/27 |                   | CHK'D: SUAIFR |                 | 2023/03/31 |
| 0 PLACES  | ± 0.0  | APPR: MRAMAKRISHNA  |              | 2023/03/31 |            | INITIAL REVISION: |               | DRWN: KSAMIEC   |            |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |        | THIRD ANGLE PROJECTION  |              | DRAWING    |            | SERIES            |               | MATERIAL NUMBER |            |
|   |        | B-SIZE  |              | 71308      |            |                   |               |                 |            |

| 10                  | 9                 | 8                | 7                 | 6                        | 5                 | 4                        | 3                        | 2           | 1           |
|---------------------|-------------------|------------------|-------------------|--------------------------|-------------------|--------------------------|--------------------------|-------------|-------------|
| PLATING:            | 197 - REFLOW TIN  | 207 - 0.38 SGOLD | 118 - BRIGHT TIN  | 118 - BRIGHT TIN         | 118 - BRIGHT TIN  | 197 - REFLOW TIN         | 197 - REFLOW TIN         |             |             |
| PACKAGING:          | TUBE 713080001-PK | T&R 713080000-PK | TUBE 713080001-PK | T&R 713080000-PK STYLE A | TUBE 713080002-PK | T&R 713080000-PK STYLE A | T&R 713080000-PK STYLE A |             |             |
| PICK AND PLACE CAPS | NO                | YES              | NO                | YES                      | YES               | YES                      | YES                      |             |             |
| CKTS:               | MATERIAL NO       | MATERIAL NO      | MATERIAL NO       | MATERIAL NO              | MATERIAL NO       | MATERIAL NO              | MATERIAL NO              | MATERIAL NO | MATERIAL NO |
| 4                   | 71308-2104        |                  | 71308-5404        | 71308-5504               | NA                |                          |                          |             |             |
| 6                   | 71308-2106        |                  | 71308-5406        | 71308-5506               | NA                |                          |                          |             |             |
| 8                   | 71308-2108        |                  | 71308-5408        | 71308-5508               | 71308-5608        |                          |                          |             |             |
| 10                  | 71308-2110        | 71308-3111 (A7)  | 71308-5410        | 71308-5510               | 71308-5610        |                          | 71308-1810               |             |             |
| 12                  | 71308-2112        |                  | 71308-5412        | 71308-5512               | 71308-5612        |                          |                          |             |             |
| 14                  | 71308-2114        |                  | 71308-5414        | 71308-5514               | 71308-5614        |                          |                          |             |             |
| 16                  | 71308-2116        |                  | 71308-5416        | 71308-5516               | 71308-5616        | 71308-1561               |                          |             |             |
| 18                  | 71308-2118        |                  | 71308-5418        |                          | 71308-5618        |                          |                          |             |             |
| 20                  | 71308-2120        |                  | 71308-5420        | 71308-5520               | 71308-5620        |                          |                          |             |             |
| 22                  | 71308-2122        |                  | 71308-5422        |                          | 71308-5622        |                          |                          |             |             |
| 24                  | 71308-2124        |                  | 71308-5424        |                          | 71308-5624        |                          |                          |             |             |
| 26                  | 71308-2126        |                  | 71308-5426        |                          | 71308-5626        |                          |                          |             |             |
| 28                  | 71308-2128        |                  | 71308-5428        |                          | 71308-5628        |                          |                          |             |             |
| 30                  | 71308-2130        |                  | 71308-5430        |                          | 71308-5630        |                          |                          |             |             |
| 32                  | 71308-2132        |                  | 71308-5432        |                          | 71308-5632        |                          |                          |             |             |
| 34                  | 71308-2134        |                  | 71308-5434        |                          | 71308-5634        |                          |                          |             |             |
| 36                  | 71308-2136        |                  | 71308-5436        |                          | 71308-5636        |                          |                          |             |             |
| 38                  | 71308-2138        |                  | 71308-5438        |                          | 71308-5638        |                          |                          |             |             |
| 40                  | 71308-2140        |                  | 71308-5440        | 71308-5540               | 71308-5640        |                          |                          |             |             |
| 42                  | 71308-2142        |                  | 71308-5442        |                          | 71308-5642        |                          |                          |             |             |
| 44                  | 71308-2144        |                  | 71308-5444        |                          | 71308-5644        |                          |                          |             |             |
| 46                  | 71308-2146        |                  | 71308-5446        |                          | 71308-5646        |                          |                          |             |             |
| 48                  | 71308-2148        |                  | 71308-5448        |                          | 71308-5648        |                          |                          |             |             |
| 50                  | 71308-2150        |                  | 71308-5450        | 71308-5550               | 71308-5650        |                          |                          |             |             |
| 52                  | 71308-2152        |                  | 71308-5452        |                          | 71308-5652        |                          |                          |             |             |
| 54                  | 71308-2154        |                  | 71308-5454        |                          | 71308-5654        |                          |                          |             |             |
| 56                  | 71308-2156        |                  | 71308-5456        |                          | 71308-5656        |                          |                          |             |             |
| 58                  | 71308-2158        |                  | 71308-5458        |                          | 71308-5658        |                          |                          |             |             |
| 60                  | 71308-2160        |                  | 71308-5460        |                          | 71308-5660        |                          |                          |             |             |
| 62                  | 71308-2162        |                  | 71308-5462        |                          | 71308-5662        |                          |                          |             |             |
| 64                  | 71308-2164        |                  | 71308-5464        |                          | 71308-5664        |                          |                          |             |             |
| 66                  | 71308-2166        |                  | 71308-5466        |                          | 71308-5666        |                          |                          |             |             |
| 68                  | 71308-2168        |                  | 71308-5468        |                          | 71308-5668        |                          |                          |             |             |
| 70                  | 71308-2170        |                  | 71308-5470        |                          | 71308-5670        |                          |                          |             |             |
| 72                  | 71308-2172        |                  | 71308-5472        |                          | 71308-5672        |                          |                          |             |             |
| 74                  | 71308-2174        |                  | 71308-5474        |                          | 71308-5674        |                          |                          |             |             |
| 76                  | 71308-2176        |                  | 71308-5476        |                          | 71308-5676        |                          |                          |             |             |
| 78                  | 71308-2178        |                  | 71308-5478        |                          | 71308-5678        |                          |                          |             |             |
| 80                  | 71308-2180        |                  | 71308-5480        |                          | 71308-5680        |                          |                          |             |             |
| 100                 |                   |                  | 71308-5500        |                          | 71308-5700        |                          |                          |             |             |

PARTS ON THIS SHEET ARE  
WITHOUT PEGS  
WITH 6.10 MATING LENGTH  
CONTINUED FROM SHEET 2



|   |        |                               |         |        |   |  |          |          |              |
|---|--------|-------------------------------|---------|--------|---|--|----------|----------|--------------|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |                               |         |        |   |  |          |          |              |
| DIMENSION UNITS   | SCALE  | CURRENT REV DESC:             |         |        |   |  |          |          |              |
| mm  | 1:1    |                               |         |        |   |  |          |          |              |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |        | EC NO: 743966                 |         |        | CGRID HEADER ASSY VERTICAL DUAL ROW SMT |  |          |          |              |
| ANGULAR TOL   | ± °    | DRWN: DANUSA 2022/10/27       |         |        |   |  |          |          |              |
| 4 PLACES  | ±      | CHK'D: SUAIFR 2023/03/31      |         |        |   |  |          |          |              |
| 3 PLACES  | ±      | APPR: MRAMAKRISHNA 2023/03/31 |         |        |   |  |          |          |              |
| 2 PLACES  | ± 0.13 | INITIAL REVISION:             |         |        | PRODUCT CUSTOMER DRAWING                |  |          |          |              |
| 1 PLACE   | ± 0.25 | DRWN: KSAMIEC 2017/09/07      |         |        | DOCUMENT NUMBER                         |  | DOC TYPE | DOC PART | REVISION     |
| 0 PLACES  | ± 0.0  | APPR: FSMITH 2018/07/03       |         |        | 713080000-SD                            |  | PSD      | 000      | A9           |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |        | THIRD ANGLE PROJECTION        | DRAWING | SERIES | MATERIAL NUMBER                         |  | CUSTOMER |          | SHEET NUMBER |
|   |        |                               | B-SIZE  | 71308  |   |  |          |          | 4 OF 10      |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/03/31 | 07:34:54 |
|-----------------|----|--------------|------------|----------|

| 10                  | 9                 | 8                        | 7                 | 6                        | 5                 | 4                        | 3                 | 2                        | 1                 |
|---------------------|-------------------|--------------------------|-------------------|--------------------------|-------------------|--------------------------|-------------------|--------------------------|-------------------|
| PLATING:            | 124 - BRIGHT TIN  | 124 - BRIGHT TIN         | 197 - REFLOW TIN  | 197 - REFLOW TIN         | 207 - 0.38 SGOLD  | 207 - 0.38 SGOLD         | 206 - 0.76 SGOLD  | 118 - BRIGHT TIN         | 118 - BRIGHT TIN  |
| PACKAGING:          | TUBE 713080003-PK | T&R 713080000-PK STYLE B | TUBE 713080003-PK | T&R 713080000-PK STYLE B | TUBE 713080003-PK | T&R 713080000-PK STYLE B | TUBE 713080003-PK | T&R 713080000-PK STYLE B | TUBE 713080003-PK |
| PICK AND PLACE CAPS | NO                | YES                      | NO                | YES                      | NO                | YES                      | NO                | YES                      | NO                |
| CKTS:               | MATERIAL NO       | MATERIAL NO              | MATERIAL NO       | MATERIAL NO              | MATERIAL NO       | MATERIAL NO              | MATERIAL NO       | MATERIAL NO              | MATERIAL NO       |
| 4                   | 71308-8004        |                          |                   |                          | 015-91-0048       |                          | 015-91-5049       |                          |                   |
| 6                   | 71308-8006        |                          |                   |                          | 015-91-0068       |                          | 015-91-5069       |                          |                   |
| 8                   | 71308-8008        |                          |                   |                          | 015-91-0088       | 71308-6908               | 015-91-5089       |                          |                   |
| 10                  | 71308-8010        |                          |                   |                          | 015-91-0108       |                          | 015-91-5109       |                          | 71308-5810        |
| 12                  | 71308-8012        |                          |                   |                          | 015-91-0128       |                          | 015-91-5129       |                          |                   |
| 14                  | 71308-8014        |                          |                   |                          | 015-91-0148       |                          | 015-91-5149       |                          |                   |
| 16                  | 71308-8016        |                          | 71308-8017        | 71308-0015               | 015-91-0168       |                          | 015-91-5169       |                          | 71308-5816        |
| 18                  | 71308-8018        |                          |                   |                          | 015-91-0188       |                          | 015-91-5189       |                          |                   |
| 20                  | 71308-8020        |                          |                   |                          | 015-91-0208       |                          | 015-91-5209       |                          |                   |
| 22                  | 71308-8022        |                          |                   |                          | 015-91-0228       |                          | 015-91-5229       |                          |                   |
| 24                  | 71308-8024        | 71308-8124               |                   |                          | 015-91-0248       |                          | 015-91-5249       | 71308-5724               | 71308-5824        |
| 26                  | 71308-8026        |                          |                   |                          | 015-91-0268       |                          | 015-91-5269       |                          |                   |
| 28                  | 71308-8028        |                          |                   |                          | 015-91-0288       |                          | 015-91-5289       |                          |                   |
| 30                  | 71308-8030        |                          |                   |                          | 015-91-0308       |                          | 015-91-5309       |                          |                   |
| 32                  | 71308-8032        |                          |                   |                          |                   |                          |                   |                          |                   |
| 34                  | 71308-8034        |                          |                   |                          | 015-91-0348       |                          | 015-91-5349       |                          |                   |
| 36                  | 71308-8036        |                          |                   |                          | 015-91-0368       |                          | 015-91-5369       |                          |                   |
| 38                  | 71308-8038        |                          |                   |                          | 015-91-0388       |                          | 015-91-5389       |                          |                   |
| 40                  | 71308-8040        |                          |                   |                          | 015-91-0408       |                          | 015-91-5409       |                          |                   |
| 42                  | 71308-8042        |                          |                   |                          | 015-91-0428       |                          | 015-91-5429       |                          |                   |
| 44                  | 71308-8044        |                          |                   |                          | 015-91-0448       |                          | 015-91-5449       |                          |                   |
| 46                  | 71308-8046        |                          |                   |                          | 015-91-0468       |                          | 015-91-5469       |                          |                   |
| 48                  | 71308-8048        |                          |                   |                          | 015-91-0488       |                          | 015-91-5489       |                          |                   |
| 50                  | 71308-8050        |                          |                   |                          | 015-91-0508       |                          | 015-91-5509       |                          |                   |
| 52                  | 71308-8052        |                          |                   |                          | 015-91-0528       |                          | 015-91-5529       |                          |                   |
| 54                  | 71308-8054        |                          |                   |                          | 015-91-0548       |                          | 015-91-5549       |                          |                   |
| 56                  | 71308-8056        |                          |                   |                          | 015-91-0568       |                          | 015-91-5569       |                          |                   |
| 58                  | 71308-8058        |                          |                   |                          | 015-91-0588       |                          | 015-91-5589       |                          |                   |
| 60                  | 71308-8060        |                          |                   |                          | 015-91-0608       |                          | 015-91-5609       |                          |                   |
| 62                  | 71308-8062        |                          |                   |                          | 015-91-0628       |                          | 015-91-5629       |                          |                   |
| 64                  | 71308-8064        |                          |                   |                          | 015-91-0648       |                          | 015-91-5649       |                          |                   |
| 66                  | 71308-8066        |                          |                   |                          | 015-91-0668       |                          | 015-91-5669       |                          |                   |
| 68                  | 71308-8068        |                          |                   |                          | 015-91-0688       |                          | 015-91-5689       |                          |                   |
| 70                  | 71308-8070        |                          |                   |                          | 015-91-0708       |                          | 015-91-5709       |                          |                   |
| 72                  | 71308-8072        |                          |                   |                          | 015-91-0728       |                          | 015-91-5729       |                          |                   |
| 74                  | 71308-8074        |                          |                   |                          | 015-91-0748       |                          | 015-91-5749       |                          |                   |
| 76                  | 71308-8076        |                          |                   |                          | 015-91-0768       |                          | 015-91-5769       |                          |                   |
| 78                  | 71308-8078        |                          |                   |                          | 015-91-0788       |                          | 015-91-5789       |                          |                   |
| 80                  | 71308-8080        |                          |                   |                          | 015-91-0808       |                          | 015-91-5809       |                          |                   |
| 100                 |                   |                          |                   |                          | 71308-1200        |                          | 71308-1300        |                          |                   |

PARTS ON THIS SHEET ARE  
WITHOUT PEGS  
WITH A MATING HEIGHT OF 8.13

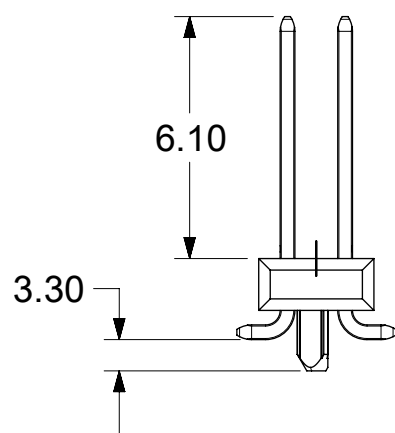


|   |        |   |         |        |   |  |          |          |              |
|---|--------|---|---------|--------|---|--|----------|----------|--------------|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |   |         |        |   |  |          |          |              |
| DIMENSION UNITS   | SCALE  | CURRENT REV DESC:   |         |        |  |  |          |          |              |
| mm  | 1:1    |   |         |        |   |  |          |          |              |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |        | EC NO: 743966   |         |        | CGRID HEADER ASSY VERTICAL DUAL ROW SMT   |  |          |          |              |
| ANGULAR TOL   | ± °    | DRWN: DANUSA 2022/10/27   |         |        |   |  |          |          |              |
| 4 PLACES  | ±      | CHK'D: SUAIFR 2023/03/31  |         |        |   |  |          |          |              |
| 3 PLACES  | ±      | APPR: MRAMAKRISHNA 2023/03/31   |         |        |   |  |          |          |              |
| 2 PLACES  | ± 0.13 | INITIAL REVISION:   |         |        | PRODUCT CUSTOMER DRAWING  |  |          |          |              |
| 1 PLACE   | ± 0.25 | DRWN: KSAMIEC 2017/09/07  |         |        | DOCUMENT NUMBER   |  | DOC TYPE | DOC PART | REVISION     |
| 0 PLACES  | ± 0.0  | APPR: FSMITH 2018/07/03   |         |        | 713080000-SD  |  | PSD      | 000      | A9           |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |        | THIRD ANGLE PROJECTION  | DRAWING | SERIES | MATERIAL NUMBER   |  | CUSTOMER |          | SHEET NUMBER |
|   |        |  | B-SIZE  | 71308  |   |  |          |          | 5 OF 10      |

10 9 8 7 6 5 4 3 2 1

| PLATING:            | 124 - BRIGHT TIN  | 207 - 0.38 SGOLD         | 206 - 0.76 SGOLD  | 124 - BRIGHT TIN         | 207 - 0.38 GOLD          | 206 - 0.76 GOLD          | 118 - BRIGHT TIN  | 118 - BRIGHT TIN         |
|---------------------|-------------------|--------------------------|-------------------|--------------------------|--------------------------|--------------------------|-------------------|--------------------------|
| PACKAGING:          | TUBE 713080001-PK | TUBE 713080001-PK        | TUBE 713080001-PK | T&R 713080000-PK STYLE C | T&R 713080000-PK STYLE C | T&R 713080000-PK STYLE C | TUBE 713080001-PK | T&R 713080000-PK STYLE C |
| PICK AND PLACE CAPS | NO                | NO                       | NO                | YES                      | YES                      | YES                      | NO                | YES                      |
| CKTS:               | MATERIAL NO       | MATERIAL NO              | MATERIAL NO       | MATERIAL NO              | MATERIAL NO              | MATERIAL NO              | MATERIAL NO       | MATERIAL NO              |
| 4                   | 015-91-1041       | 015-91-1042              | 015-91-1043       | 015-91-6044              | 015-91-6045              | 015-91-6046              | 71308-6404        | 71308-6504               |
| 6                   | 015-91-1061       | 015-91-1062              | 015-91-1063       | 015-91-6064              | 015-91-6065              | 015-91-6066              | 71308-6406        | 71308-6506               |
| 8                   | 015-91-1081       | 015-91-1082              | 015-91-1083       | 015-91-6084              | 015-91-6085              | 015-91-6086              | 71308-6408        | 71308-6508               |
| 10                  | 015-91-1101       | 015-91-1102 / 71308-1102 | 015-91-1103       | 015-91-6104              | 015-91-6105              | 015-91-6106              | 71308-6410        | 71308-6510               |
| 12                  | 015-91-1121       | 015-91-1122              | 015-91-1123       |                          |                          |                          | 71308-6412        |                          |
| 14                  | 015-91-1141       | 015-91-1142              | 015-91-1143       | 015-91-6144              | 015-91-6145              | 015-91-6146              | 71308-6414        | 71308-6514               |
| 16                  | 015-91-1161       | 015-91-1162              | 015-91-1163       | 015-91-6164              | 015-91-6165              | 015-91-6166              | 71308-6416        | 71308-6516               |
| 18                  | 015-91-1181       | 015-91-1182              | 015-91-1183       |                          |                          |                          | 71308-6418        |                          |
| 20                  | 015-91-1201       | 015-91-1202              | 015-91-1203       |                          |                          |                          | 71308-6420        |                          |
| 22                  | 015-91-1221       | 015-91-1222              | 015-91-1223       |                          |                          |                          | 71308-6422        |                          |
| 24                  | 015-91-1241       | 015-91-1242              | 015-91-1243       | 71308-6901               |                          |                          | 71308-6424        |                          |
| 26                  | 015-91-1261       | 015-91-1262              | 015-91-1263       |                          |                          |                          | 71308-6426        |                          |
| 28                  | 015-91-1281       | 015-91-1282              | 015-91-1283       |                          |                          |                          | 71308-6428        |                          |
| 30                  | 015-91-1301       | 015-91-1302              | 015-91-1303       |                          |                          |                          | 71308-6430        |                          |
| 32                  | 015-91-1321       | 015-91-1322              | 015-91-1323       |                          |                          |                          | 71308-6432        |                          |
| 34                  | 015-91-1341       | 015-91-1342              | 015-91-1343       |                          |                          |                          | 71308-6434        |                          |
| 36                  | 015-91-1361       | 015-91-1362              | 015-91-1363       |                          |                          |                          | 71308-6436        |                          |
| 38                  | 015-91-1381       | 015-91-1382              | 015-91-1383       |                          |                          |                          | 71308-6438        |                          |
| 40                  | 015-91-1401       | 015-91-1402              | 015-91-1403       |                          |                          |                          | 71308-6440        |                          |
| 42                  | 015-91-1421       | 015-91-1422              | 015-91-1423       |                          |                          |                          | 71308-6442        |                          |
| 44                  | 015-91-1441       | 015-91-1442              | 015-91-1443       |                          |                          |                          | 71308-6444        |                          |
| 46                  | 015-91-1461       | 015-91-1462              | 015-91-1463       |                          |                          |                          | 71308-6446        |                          |
| 48                  | 015-91-1481       | 015-91-1482              | 015-91-1483       |                          |                          |                          | 71308-6448        |                          |
| 50                  | 015-91-1501       | 015-91-1502              | 015-91-1503       |                          |                          | 015-91-6506              | 71308-6450        |                          |
| 52                  | 015-91-1521       | 015-91-1522              | 015-91-1523       |                          |                          | 71308-5203               | 71308-6452        |                          |
| 54                  | 015-91-1541       | 015-91-1542              | 015-91-1543       |                          |                          |                          | 71308-6454        |                          |
| 56                  | 015-91-1561       | 015-91-1562              | 015-91-1563       |                          |                          |                          | 71308-6456        |                          |
| 58                  | 015-91-1581       | 015-91-1582              | 015-91-1583       |                          |                          |                          | 71308-6458        |                          |
| 60                  | 015-91-1601       | 015-91-1602              | 015-91-1603       |                          |                          |                          | 71308-6460        |                          |
| 62                  | 015-91-1621       | 015-91-1622              | 015-91-1623       |                          |                          |                          | 71308-6462        |                          |
| 64                  | 015-91-1641       | 015-91-1642              | 015-91-1643       |                          |                          |                          | 71308-6464        |                          |
| 66                  | 015-91-1661       | 015-91-1662              | 015-91-1663       |                          |                          |                          | 71308-6466        |                          |
| 68                  | 015-91-1681       | 015-91-1682              | 015-91-1683       |                          |                          |                          | 71308-6468        |                          |
| 70                  | 015-91-1701       | 015-91-1702              | 015-91-1703       |                          |                          |                          | 71308-6470        |                          |
| 72                  | 015-91-1721       | 015-91-1722              | 015-91-1723       |                          |                          |                          | 71308-6472        |                          |
| 74                  | 015-91-1741       | 015-91-1742              | 015-91-1743       |                          |                          |                          | 71308-6474        |                          |
| 76                  | 015-91-1761       | 015-91-1762              | 015-91-1763       |                          |                          |                          | 71308-6476        |                          |
| 78                  | 015-91-1781       | 015-91-1782              | 015-91-1783       |                          |                          |                          | 71308-6478        |                          |
| 80                  | 015-91-1801       | 015-91-1802              | 015-91-1803       |                          |                          |                          | 71308-6480        |                          |
| 100                 | 71308-4100        | 71308-4200               | 71308-4300        |                          |                          |                          |                   |                          |

PARTS ON THIS SHEET  
HAVE LONG PEGS  
WITH A MATING HEIGHT OF 6.10



|   |        |                               |         |        |   |  |  |  |  |
|---|--------|-------------------------------|---------|--------|---|--|--|--|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |                               |         |        |   |  |  |  |  |
| DIMENSION UNITS   | SCALE  | CURRENT REV DESC:             |         |        | <b>molex</b><br>CGRID HEADER ASSY VERTICAL DUAL ROW SMT |  |  |  |  |
| mm  | 1:1    |                               |         |        |   |  |  |  |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |        | EC NO: 743966                 |         |        | PRODUCT CUSTOMER DRAWING                                |  |  |  |  |
| ANGULAR TOL   | ± °    | DRWN: DANUSA 2022/10/27       |         |        | DOCUMENT NUMBER   |  |  |  |  |
| 4 PLACES  | ±      | CHK'D: SUAIFR 2023/03/31      |         |        | 713080000-SD  |  |  |  |  |
| 3 PLACES  | ±      | APPR: MRAMAKRISHNA 2023/03/31 |         |        | DOC TYPE DOC PART REVISION                              |  |  |  |  |
| 2 PLACES  | ± 0.13 | INITIAL REVISION:             |         |        | PSD 000 A9  |  |  |  |  |
| 1 PLACE   | ± 0.25 | DRWN: KSAMIEC 2017/09/07      |         |        | MATERIAL NUMBER CUSTOMER SHEET NUMBER                   |  |  |  |  |
| 0 PLACES  | ± 0.0  | APPR: FSMITH 2018/07/03       |         |        | 71308 6 OF 10   |  |  |  |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |        | THIRD ANGLE PROJECTION        | DRAWING | SERIES |   |  |  |  |  |
|   |        |                               | B-SIZE  | 71308  |   |  |  |  |  |

9 8 7 6 5 4 3 2 1

| PLATING:            | 124 - BRIGHT TIN  | 207- 0.38 SGOLD   | 206- 0.76 SGOLD   | 118 - BRIGHT TIN  |             |             |             |             |
|---------------------|-------------------|-------------------|-------------------|-------------------|-------------|-------------|-------------|-------------|
| PACKAGING:          | TUBE 713080003-PK | TUBE 713080003-PK | TUBE 713080003-PK | TUBE 713080003-PK |             |             |             |             |
| PICK AND PLACE CAPS | NO                | NO                | NO                | NO                |             |             |             |             |
| CKTS:               | MATERIAL NO       | MATERIAL NO       | MATERIAL NO       | MATERIAL NO       | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO |
| 4                   | 015-91-1044       | 015-91-0047       | 015-91-1040       | 71308-6604        |             |             |             |             |
| 6                   | 015-91-1064       | 015-91-0067       | 015-91-1060       | 71308-6606        |             |             |             |             |
| 8                   | 015-91-1084       | 015-91-0087       | 015-91-1080       | 71308-6608        |             |             |             |             |
| 10                  | 015-91-1104       | 015-91-0107       | 015-91-1100       | 71308-6610        |             |             |             |             |
| 12                  | 015-91-1124       | 015-91-0127       | 015-91-1120       | 71308-6612        |             |             |             |             |
| 14                  | 015-91-1144       | 015-91-0147       | 015-91-1140       | 71308-6614        |             |             |             |             |
| 16                  | 015-91-1164       | 015-91-0167       | 015-91-1160       | 71308-6616        |             |             |             |             |
| 18                  | 015-91-1184       | 015-91-0187       | 015-91-1180       | 71308-6618        |             |             |             |             |
| 20                  | 015-91-1204       | 015-91-0207       | 015-91-1200       | 71308-6620        |             |             |             |             |
| 22                  | 015-91-1224       | 015-91-0227       | 015-91-1220       | 71308-6622        |             |             |             |             |
| 24                  | 015-91-1244       | 015-91-0247       | 015-91-1240       | 71308-6624        |             |             |             |             |
| 26                  | 015-91-1264       | 015-91-0267       | 015-91-1260       | 71308-6626        |             |             |             |             |
| 28                  | 015-91-1284       | 015-91-0287       | 015-91-1280       | 71308-6628        |             |             |             |             |
| 30                  | 015-91-1304       | 015-91-0307       | 015-91-1300       | 71308-6630        |             |             |             |             |
| 32                  | 015-91-1324       | 015-91-0327       | 015-91-1320       | 71308-6632        |             |             |             |             |
| 34                  | 015-91-1344       | 015-91-0347       | 015-91-1340       | 71308-6634        |             |             |             |             |
| 36                  | 015-91-1364       | 015-91-0367       | 015-91-1360       | 71308-6636        |             |             |             |             |
| 38                  | 015-91-1384       | 015-91-0387       | 015-91-1380       | 71308-6638        |             |             |             |             |
| 40                  | 015-91-1404       | 015-91-0407       | 015-91-1400       | 71308-6640        |             |             |             |             |
| 42                  | 015-91-1424       | 015-91-0427       | 015-91-1420       | 71308-6642        |             |             |             |             |
| 44                  | 015-91-1444       | 015-91-0447       | 015-91-1440       | 71308-6644        |             |             |             |             |
| 46                  | 015-91-1464       | 015-91-0467       | 015-91-1460       | 71308-6646        |             |             |             |             |
| 48                  | 015-91-1484       | 015-91-0487       | 015-91-1480       | 71308-6648        |             |             |             |             |
| 50                  | 015-91-1504       | 015-91-0507       | 015-91-1500       | 71308-6650        |             |             |             |             |
| 52                  | 015-91-1524       | 015-91-0527       | 015-91-1520       | 71308-6652        |             |             |             |             |
| 54                  | 015-91-1544       | 015-91-0547       | 015-91-1540       | 71308-6654        |             |             |             |             |
| 56                  | 015-91-1564       | 015-91-0567       | 015-91-1560       | 71308-6656        |             |             |             |             |
| 58                  | 015-91-1584       | 015-91-0587       | 015-91-1580       | 71308-6658        |             |             |             |             |
| 60                  | 015-91-1604       | 015-91-0607       | 015-91-1600       | 71308-6660        |             |             |             |             |
| 62                  | 015-91-1624       | 015-91-0627       | 015-91-1620       | 71308-6662        |             |             |             |             |
| 64                  | 015-91-1644       | 015-91-0647       | 015-91-1640       | 71308-6664        |             |             |             |             |
| 66                  | 015-91-1664       | 015-91-0667       | 015-91-1660       | 71308-6666        |             |             |             |             |
| 68                  | 015-91-1684       | 015-91-0687       | 015-91-1680       | 71308-6668        |             |             |             |             |
| 70                  | 015-91-1704       | 015-91-0707       | 015-91-1700       | 71308-6670        |             |             |             |             |
| 72                  | 015-91-1724       | 015-91-0727       | 015-91-1720       | 71308-6672        |             |             |             |             |
| 74                  | 015-91-1744       | 015-91-0747       | 015-91-1740       | 71308-6674        |             |             |             |             |
| 76                  | 015-91-1764       | 015-91-0767       | 015-91-1760       | 71308-6676        |             |             |             |             |
| 78                  | 015-91-1784       | 015-91-0787       | 015-91-1780       | 71308-6678        |             |             |             |             |
| 80                  | 015-91-1804       | 015-91-0807       | 015-91-1800       | 71308-6680        |             |             |             |             |
| 100                 | 71308-5100        | 71308-5200        | 71308-5300        |                   |             |             |             |             |

PARTS ON THIS SHEET HAVE  
LONG PEGS WITH  
A MATING HEIGHT OF 8.13



|   |        |   |  |            |  |        |  |                 |  |
|---|--------|---|--|------------|--|--------|--|-----------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |   |  |            |  |        |  |                 |  |
| DIMENSION UNITS   | SCALE  | CURRENT REV DESC:   |  |            |  |        |  |                 |  |
| mm  | 1:1    | <b>molex</b><br>CGRID HEADER ASSY VERTICAL DUAL ROW SMT<br>PRODUCT CUSTOMER DRAWING<br>DOCUMENT NUMBER: 713080000-SD   DOC TYPE: PSD   DOC PART: 000   REVISION: A9<br>MATERIAL NUMBER:   CUSTOMER:   SHEET NUMBER: 7 OF 10 |  |            |  |        |  |                 |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |        |   |  |            |  |        |  |                 |  |
| ANGULAR TOL   | ± °    |   |  |            |  |        |  |                 |  |
| 4 PLACES  | ±      |   |  |            |  |        |  |                 |  |
| 3 PLACES  | ±      |   |  |            |  |        |  |                 |  |
| 2 PLACES  | ± 0.13 | EC NO: 743966   |  | 2022/10/27 |  |        |  |                 |  |
| 1 PLACE   | ± 0.25 | DRWN: DANUSA  |  | 2023/03/31 |  |        |  |                 |  |
| 0 PLACES  | ± 0.0  | CHK'D: SUAIFR   |  | 2023/03/31 |  |        |  |                 |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |        | THIRD ANGLE PROJECTION  |  | DRAWING    |  | SERIES |  | MATERIAL NUMBER |  |
|   |        | B-SIZE  |  | 71308      |  |        |  |                 |  |

|  | 10                  | 9                 | 8                        | 7                 | 6                        | 5                 | 4                        | 3           | 2           | 1 |
|--|---------------------|-------------------|--------------------------|-------------------|--------------------------|-------------------|--------------------------|-------------|-------------|---|
|  | PLATING:            | 124 - BRIGHT TIN  | 124 - BRIGHT TIN         | 206 - 0.76 SGOLD  | 206 - 0.76 SGOLD         | 118 - BRIGHT TIN  | 118 - BRIGHT TIN         |             |             |   |
|  | PACKAGING:          | TUBE 713080001-PK | T&R 713080000-PK STYLE C | TUBE 713080001-PK | T&R 713080000-PK STYLE C | TUBE 713080001-PK | T&R 713080000-PK STYLE C |             |             |   |
|  | PICK AND PLACE CAPS | NO                | YES                      | NO                | YES                      | NO                | YES                      |             |             |   |
|  | CKTS:               | MATERIAL NO       | MATERIAL NO              | MATERIAL NO       | MATERIAL NO              | MATERIAL NO       | MATERIAL NO              | MATERIAL NO | MATERIAL NO |   |
|  | 4                   |                   |                          | 015-91-1048       | 015-91-6047              |                   |                          |             |             |   |
|  | 6                   | 71308-6106        | 71308-6206               | 015-91-1068       | 015-91-6067              | 71308-6706        | 71308-6806               |             |             |   |
|  | 8                   | 71308-6108        | 71308-6208               | 015-91-1088       | 015-91-6087              | 71308-6708        | 71308-6808               |             |             |   |
|  | 10                  | 71308-6110        | 71308-6210               | 015-91-1108       | 015-91-6107              | 71308-6710        | 71308-6810               |             |             |   |
|  | 12                  |                   |                          | 015-91-1128       |                          |                   |                          |             |             |   |
|  | 14                  |                   |                          | 015-91-1148       | 015-91-6147              |                   |                          |             |             |   |
|  | 16                  |                   |                          | 015-91-1168       | 015-91-6167              |                   |                          |             |             |   |
|  | 18                  |                   |                          | 015-91-1188       |                          |                   |                          |             |             |   |
|  | 20                  |                   |                          | 015-91-1208       | 015-91-6207              |                   |                          |             |             |   |
|  | 22                  |                   |                          | 015-91-1228       |                          |                   |                          |             |             |   |
|  | 24                  |                   |                          | 015-91-1248       |                          |                   |                          |             |             |   |
|  | 26                  | 71308-6126        |                          | 015-91-1268       |                          | 71308-6726        |                          |             |             |   |
|  | 28                  |                   |                          | 015-91-1288       |                          |                   |                          |             |             |   |
|  | 30                  |                   |                          | 015-91-1308       |                          |                   |                          |             |             |   |
|  | 32                  |                   |                          | 015-91-1328       |                          |                   |                          |             |             |   |
|  | 34                  |                   |                          | 015-91-1348       |                          |                   |                          |             |             |   |
|  | 36                  |                   |                          | 015-91-1368       |                          |                   |                          |             |             |   |
|  | 38                  |                   |                          | 015-91-1388       |                          |                   |                          |             |             |   |
|  | 40                  |                   |                          | 015-91-1408       |                          |                   |                          |             |             |   |
|  | 42                  |                   |                          | 015-91-1428       |                          |                   |                          |             |             |   |
|  | 44                  |                   |                          | 015-91-1448       |                          |                   |                          |             |             |   |
|  | 46                  |                   |                          | 015-91-1468       |                          |                   |                          |             |             |   |
|  | 48                  |                   |                          | 015-91-1488       |                          |                   |                          |             |             |   |
|  | 50                  |                   |                          | 015-91-1508       | 015-91-6507              |                   |                          |             |             |   |
|  | 52                  |                   |                          | 015-91-1528       |                          |                   |                          |             |             |   |
|  | 54                  |                   |                          | 015-91-1548       |                          |                   |                          |             |             |   |
|  | 56                  |                   |                          | 015-91-1568       |                          |                   |                          |             |             |   |
|  | 58                  |                   |                          | 015-91-1588       |                          |                   |                          |             |             |   |
|  | 60                  |                   |                          | 015-91-1608       |                          |                   |                          |             |             |   |
|  | 62                  |                   |                          | 015-91-1628       |                          |                   |                          |             |             |   |
|  | 64                  |                   |                          | 015-91-1648       |                          |                   |                          |             |             |   |
|  | 66                  |                   |                          | 015-91-1668       |                          |                   |                          |             |             |   |
|  | 68                  |                   |                          | 015-91-1688       |                          |                   |                          |             |             |   |
|  | 70                  |                   |                          | 015-91-1708       |                          |                   |                          |             |             |   |
|  | 72                  |                   |                          | 015-91-1728       |                          |                   |                          |             |             |   |
|  | 74                  |                   |                          | 015-91-1748       |                          |                   |                          |             |             |   |
|  | 76                  |                   |                          | 015-91-1768       |                          |                   |                          |             |             |   |
|  | 78                  |                   |                          | 015-91-1788       |                          |                   |                          |             |             |   |
|  | 80                  |                   |                          | 015-91-1808       |                          |                   |                          |             |             |   |
|  | 100                 |                   |                          | 71308-6100        |                          |                   |                          |             |             |   |

PARTS ON THIS SHEET HAVE SHORT PEGS WITH A MATING HEIGHT OF 6.10



|   |                        |                               |        |                 |   |  |              |          |          |
|---|------------------------|-------------------------------|--------|-----------------|---|--|--------------|----------|----------|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                               |        |                 |   |  |              |          |          |
| DIMENSION UNITS   | SCALE                  | CURRENT REV DESC:             |        |                 |   |  |              |          |          |
| mm  | 1:1                    |                               |        |                 |   |  |              |          |          |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |                        | EC NO: 743966                 |        |                 | CGRID HEADER ASSY VERTICAL DUAL ROW SMT |  |              |          |          |
| ANGULAR TOL   | ± °                    | DRWN: DANUSA 2022/10/27       |        |                 |   |  |              |          |          |
| 4 PLACES  | ±                      | CHK'D: SUAIFR 2023/03/31      |        |                 |   |  |              |          |          |
| 3 PLACES  | ±                      | APPR: MRAMAKRISHNA 2023/03/31 |        |                 | PRODUCT CUSTOMER DRAWING                |  |              |          |          |
| 2 PLACES  | ± 0.13                 | INITIAL REVISION:             |        |                 | DOCUMENT NUMBER                         |  |              |          |          |
| 1 PLACE   | ± 0.25                 | DRWN: KSAMIEC 2017/09/07      |        |                 | 713080000-SD                            |  | DOC TYPE     | DOC PART | REVISION |
| 0 PLACES  | ± 0.0                  | APPR: FSMITH 2018/07/03       |        |                 |   |  | PSD          | 000      | A9       |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  | THIRD ANGLE PROJECTION | DRAWING                       | SERIES | MATERIAL NUMBER | CUSTOMER                                |  | SHEET NUMBER |          |          |
|   |                        | B-SIZE                        | 71308  |                 |   |  | 8 OF 10      |          |          |



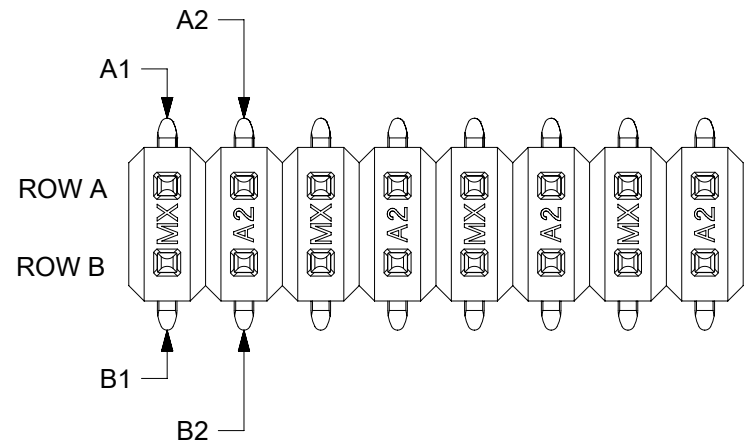
|                     | 10 | 9                        | 8                 | 7                 | 6           | 5           | 4           | 3           | 2           | 1 |
|---------------------|----|--------------------------|-------------------|-------------------|-------------|-------------|-------------|-------------|-------------|---|
| PLATING:            |    | 197 - REFLOW TIN         | 197 - REFLOW TIN  | 197 - REFLOW TIN  |             |             |             |             |             |   |
| PACKAGING:          |    | T&R 713080000-PK STYLE D | TUBE 713080004-PK | TUBE 713080003-PK |             |             |             |             |             |   |
| PICK AND PLACE CAPS |    | YES                      | YES               | NO                |             |             |             |             |             |   |
| CKTS:               |    | MATERIAL NO              | MATERIAL NO       | MATERIAL NO       | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO |   |
| 4                   |    |                          |                   |                   |             |             |             |             |             |   |
| 6                   |    |                          |                   |                   |             |             |             |             |             |   |
| 8                   |    | 71308-8409               | 71308-8408        | 71308-8508        |             |             |             |             |             |   |
| 10                  |    |                          |                   |                   |             |             |             |             |             |   |
| 12                  |    |                          |                   |                   |             |             |             |             |             |   |
| 14                  |    |                          |                   |                   |             |             |             |             |             |   |
| 16                  |    |                          |                   |                   |             |             |             |             |             |   |
| 18                  |    |                          |                   |                   |             |             |             |             |             |   |
| 20                  |    | 71308-8421               | 71308-8420        | 71308-8520        |             |             |             |             |             |   |
| 22                  |    |                          |                   |                   |             |             |             |             |             |   |
| 24                  |    |                          |                   |                   |             |             |             |             |             |   |
| 26                  |    | 71308-8426               |                   |                   |             |             |             |             |             |   |
| 28                  |    |                          |                   |                   |             |             |             |             |             |   |
| 30                  |    |                          |                   |                   |             |             |             |             |             |   |
| 32                  |    |                          |                   |                   |             |             |             |             |             |   |
| 34                  |    |                          |                   |                   |             |             |             |             |             |   |
| 36                  |    |                          |                   |                   |             |             |             |             |             |   |
| 38                  |    |                          |                   |                   |             |             |             |             |             |   |
| 40                  |    |                          |                   |                   |             |             |             |             |             |   |
| 42                  |    |                          |                   |                   |             |             |             |             |             |   |
| 44                  |    |                          |                   |                   |             |             |             |             |             |   |
| 46                  |    |                          |                   |                   |             |             |             |             |             |   |
| 48                  |    |                          |                   |                   |             |             |             |             |             |   |
| 50                  |    |                          |                   |                   |             |             |             |             |             |   |
| 52                  |    |                          |                   |                   |             |             |             |             |             |   |
| 54                  |    |                          |                   |                   |             |             |             |             |             |   |
| 56                  |    |                          |                   |                   |             |             |             |             |             |   |
| 58                  |    |                          |                   |                   |             |             |             |             |             |   |
| 60                  |    |                          |                   |                   |             |             |             |             |             |   |
| 62                  |    |                          |                   |                   |             |             |             |             |             |   |
| 64                  |    |                          |                   |                   |             |             |             |             |             |   |
| 66                  |    |                          |                   |                   |             |             |             |             |             |   |
| 68                  |    |                          |                   |                   |             |             |             |             |             |   |
| 70                  |    |                          |                   |                   |             |             |             |             |             |   |
| 72                  |    |                          |                   |                   |             |             |             |             |             |   |
| 74                  |    |                          |                   |                   |             |             |             |             |             |   |
| 76                  |    |                          |                   |                   |             |             |             |             |             |   |
| 78                  |    |                          |                   |                   |             |             |             |             |             |   |
| 80                  |    |                          |                   |                   |             |             |             |             |             |   |

PARTS ON THIS SHEET HAVE  
SHORT PEGS WITH  
A MATING HEIGHT OF 8.13



|   |        |                               |         |        |   |          |          |          |              |
|---|--------|-------------------------------|---------|--------|---|----------|----------|----------|--------------|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |                               |         |        |   |          |          |          |              |
| DIMENSION UNITS   | SCALE  | CURRENT REV DESC:             |         |        | <b>molex</b>                            |          |          |          |              |
| mm  | 1:1    |                               |         |        |   |          |          |          |              |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |        | EC NO: 743966                 |         |        | CGRID HEADER ASSY VERTICAL DUAL ROW SMT |          |          |          |              |
| ANGULAR TOL   | ± °    | DRWN: DANUSA 2022/10/27       |         |        |   |          |          |          |              |
| 4 PLACES  | ±      | CHK'D: SUAIFR 2023/03/31      |         |        |   |          |          |          |              |
| 3 PLACES  | ±      | APPR: MRAMAKRISHNA 2023/03/31 |         |        | PRODUCT CUSTOMER DRAWING                |          |          |          |              |
| 2 PLACES  | ± 0.13 | INITIAL REVISION:             |         |        | DOCUMENT NUMBER                         |          |          |          |              |
| 1 PLACE   | ± 0.25 | DRWN: KSAMIEC 2017/09/07      |         |        | 713080000-SD                            |          | DOC TYPE | DOC PART | REVISION     |
| 0 PLACES  | ± 0.0  | APPR: FSMITH 2018/07/03       |         |        |   |          | PSD      | 000      | A9           |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |        | THIRD ANGLE PROJECTION        | DRAWING | SERIES | MATERIAL NUMBER                         | CUSTOMER |          |          | SHEET NUMBER |
|   |        |                               | B-SIZE  | 71308  |   |          |          |          | 9 OF 10      |

| MATERIAL NO | MADE FROM  | NO OF CKTS | VOID LOCATION | PICK AND PLACE CAP | PACKAGING            |
|-------------|------------|------------|---------------|--------------------|----------------------|
| 71308-9210  | 71308-0010 | 10         | A5            | 711331000          | 713080002-PK         |
| 71308-9010  | 71308-0110 | 10         | A2            | 711331000          | 713080002-PK         |
| 71308-9032  | 71308-0132 | 32         | A9            | 711331000          | 713080002-PK         |
| 71308-9110  | 71308-0110 | 10         | A5            | 711331000          | 713080002-PK         |
| 71308-9014  | 71308-0140 | 14         | B5            | 711331000          | 713080002-PK         |
| 71308-9310  | 71308-0110 | 10         | B5            | 711331000          | 713080002-PK         |
| 71308-9311  | 71308-0110 | 10         | B5            | 711331000          | 713080000-PK STYLE A |
| 71308-9312  | 71308-1504 | 04         | A1            | 711331000          | 713080000-PK STYLE A |



CIRCUIT IDENTIFICATION FOR VOIDED CKT ONLY

|   |  |       |  |  |  |                        |  |   |  |
|---|--|-------|--|--|--|------------------------|--|---|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |       |  |  |  |                        |  |   |  |
| DIMENSION UNITS   |  | SCALE |  | CURRENT REV DESC:                                    |  |                        |  | <b>molex</b>                            |  |
| mm  |  | 5:1   |  | EC NO: 743966  |  |                        |  |   |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |       |  | DRWN: DANUSA 2022/10/27                              |  |                        |  | CGRID HEADER ASSY VERTICAL DUAL ROW SMT |  |
| ANGULAR TOL ± °   |  |       |  | CHK'D: SUAIFR 2023/03/31                             |  |                        |  | PRODUCT CUSTOMER DRAWING                |  |
| 4 PLACES ±  |  |       |  | APPR: MRAMAKRISHNA 2023/03/31                        |  |                        |  | DOCUMENT NUMBER                         |  |
| 3 PLACES ±  |  |       |  | INITIAL REVISION:                                    |  |                        |  | 713080000-SD                            |  |
| 2 PLACES ± 0.13   |  |       |  | DRWN: KSAMIEC 2017/09/07                             |  |                        |  | DOC TYPE   DOC PART   REVISION          |  |
| 1 PLACE ± 0.25  |  |       |  | APPR: FSMITH 2018/07/03                              |  |                        |  | PSD   000   A9                          |  |
| 0 PLACES ± 0.0  |  |       |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | THIRD ANGLE PROJECTION |  | MATERIAL NUMBER                         |  |
| DOCUMENT STATUS   |  | P1    |  | RELEASE DATE   |  | 2023/03/31 07:34:54    |  | CUSTOMER                                |  |
|   |  |       |  |  |  | DRAWING                |  | SHEET NUMBER                            |  |
|   |  |       |  |  |  | B-SIZE                 |  | 10 OF 10                                |  |
|   |  |       |  |  |  | SERIES                 |  |   |  |
|   |  |       |  |  |  | 71308                  |  |   |  |