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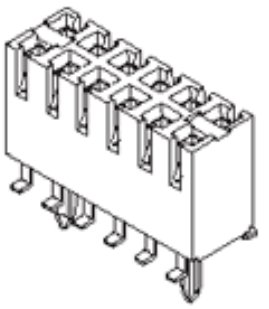
This document was generated on 05/31/2010

# PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** 0015453258
**Status:** Active
**Overview:** cgrid__sl_products
**Description:** 2.54mm (.100") Pitch C-Grid® PCB Connector, Surface Mount, High Profile, Dual Row, Vertical, 58 Circuits

**Documents:**

| | |
|---|---|
| 3D Model | Product Specification PS-71395 (PDF) |
| Drawing (PDF) | RoHS Certificate of Compliance (PDF) |



*Series image - Reference only*

## Agency Certification

| | |
|---|---|
| CSA | E29179 |
| UL | E29179 |

## General

| | |
|---|---|
| Product Family | PCB Receptacles |
| Series | 71395 |
| Application | Board-to-Board |
| Overview | cgrid__sl_products |
| Product Name | C-Grid® |

## Physical

| | |
|---|---|
| Circuits (Loaded) | 58 |
| Color - Resin | Black |
| Durability (mating cycles max) | 25 |
| Flammability | 94V-0 |
| Glow-Wire Compliant | No |
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Lock to Mating Part | No |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Number of Rows | 2 |
| Orientation | Vertical |
| PC Tail Length (in) | 0.058 In |
| PC Tail Length (mm) | 1.47 mm |
| PCB Locator | Yes |
| PCB Retention | None |
| Packaging Type | Tray |
| Pitch - Mating Interface (in) | 0.100 In |
| Pitch - Mating Interface (mm) | 2.54 mm |
| Plating min: Mating (µin) | 150 |
| Plating min: Mating (µm) | 3.75 |
| Plating min: Termination (µin) | 150 |
| Plating min: Termination (µm) | 3.75 |
| Polarized to PCB | No |
| Surface Mount Compatible (SMC) | N/A |
| Temperature Range - Operating | -40°C to +105°C |
| Termination Interface: Style | Surface Mount |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 2.5A |
| Grounding to PCB | No |
| Voltage - Maximum | 250V |

**EU RoHS**
**ELV and RoHS Compliant**
**REACH SVHC**
Not Reviewed
**Halogen-Free Status**
**Not Reviewed**

**China RoHS**

**Need more information on product environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

Please visit the Contact Us section for any non-product compliance questions.

**Search Parts in this Series**
71395Series

**Mates With**
8624 C-Grid® Breakaway Header, 70246 Straight Header, 70247 Right Angle Header, 70287 C-Grid® Header, 70227 Dual Row C-Grid® Header, 70567 C-Grid® Header, 70280 C-Grid® Breakaway Header, 70524 C-Grid® Breakaway Header, 7

## Solder Process Data

| | |
|---|---|
| Lead-free Process Capability | Reflow Capable (SMT only) |
| Process Temperature max. C | 260 |

## Material Info

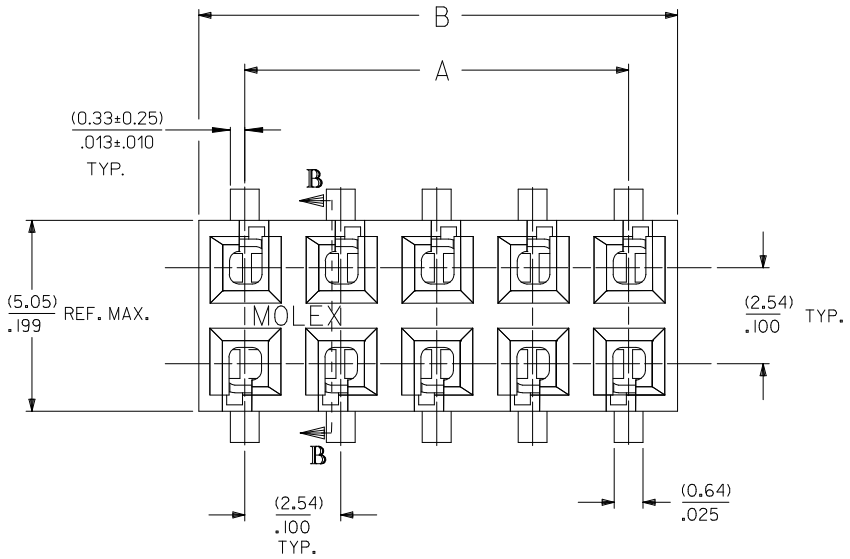
| | |
|---|---|
| Old Part Number | 71395-1058 |

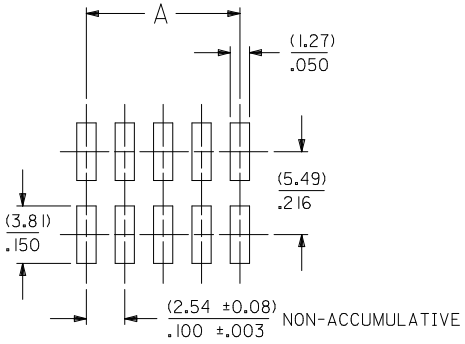
## Reference - Drawing Numbers

| | |
|---|---|
| Application Specification | AS-71395-001 |
| Packaging Specification | PK-70873-0304 |
| Product Specification | PS-71395 |
| Sales Drawing | SDA-71395-1*** |

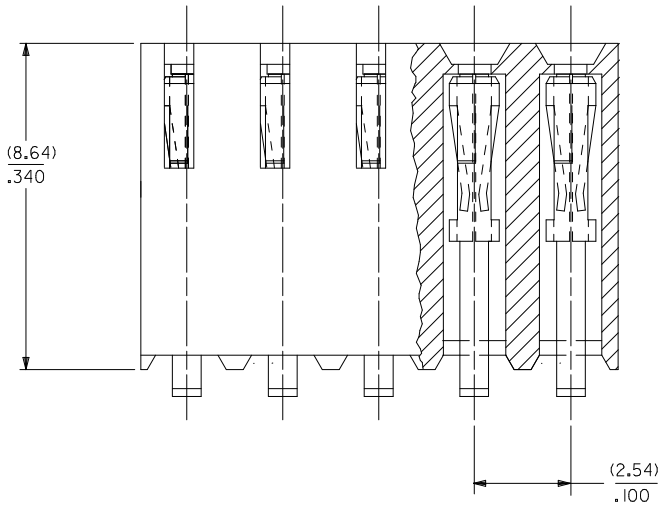
This document was generated on 05/31/2010

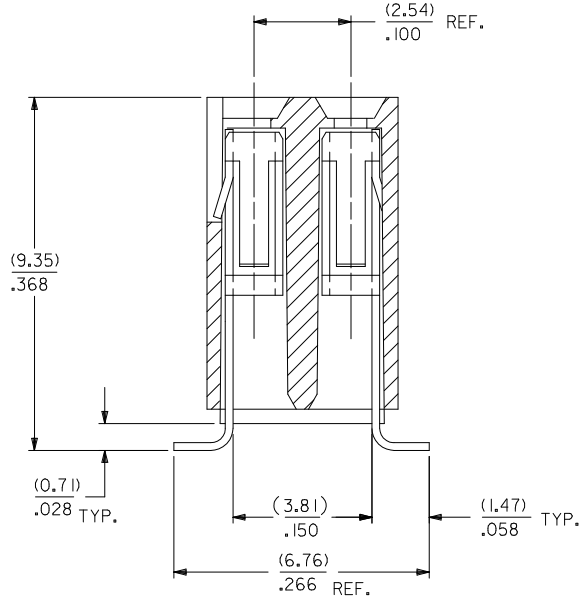
**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**




RECOMMENDED P.C. BOARD LAYOUT
SCALE: 4:1




SECTION B-B

- VERSION WITHOUT PCB RETENTION PEGS -

NOTES:

1 - HOUSING MATERIAL: GLASS FILLED LCP (LIQUID CRYSTAL POLYMER), UL 94V-0, COLOR: BLACK.
2 - TERMINAL MATERIAL: (0.20)/.008 PHOSPHOR BRONZE
3 - SEE SHEET 2 FOR CIRCUIT SIZES AND OVER-ALL DIMENSIONS
4 - PART CONFORMS TO PS-71395
5 - PACKAGING:
FOR TRAY PACK SEE PK-70873-0304.
FOR TAPE AND REEL PACK SEE PK-71395-001.
6 - PRODUCT COMPLIES WITH CLASS B OF COSMETIC SPECIFICATION PS-45499-002.

ADD 71395-5040
EC NO: UCP2010-1001
DRWN:MS BARRA 2009/10/14
CH'KD:DMORGAN 2009/12/01
APPR:SMILLER 2009/12/01
DESCRIPTION
N
REV

QUALITY SYMBOLS
E =0
E =0
E =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .014 |
| 1 PLACE | ± 0.35 | ± --- |

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION
DRAWN BY DATE
CHECKED BY DATE: RB 1985/12/03
APPROVED BY DATE
MATERIAL NO.: SEE CHART
SIZE: C

TITLE: CONNECTOR DUAL ROW VERTICAL SURFACE MOUNT TOP ENTRY ON .100 GRID
molex MOLEX INCORPORATED
DOCUMENT NO.: SDA-71395-1***
SHEET NO.: 1 OF 3

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

## - VERSION WITHOUT PCB RETENTION PEGS -

| NO. OF CKTS. | | TIN PLATING | | | 15 GOLD PLATING | | | 30 GOLD PLATING | | | DIM. "A" | | DIM. "B" | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PER ROW | TOTAL | E.D.P. NO. | ENG. NO. | TRAY PACKAGING | E.D.P. NO. | ENG. NO. | TRAY PACKAGING | E.D.P. NO. | ENG. NO. | TRAY PACKAGING | INCH | MM | INCH | MM | INCH | MM |
| 2 | 4 | NA | AX-71395-1004 | PK-70873-0304 | NA | AX-71395-1104 | PK-70873-0304 | NA | AX-71395-1204 | PK-70873-0304 | .100 | 2,54 | .199 | 5,05 | | |
| 3 | 6 | 71395-1006 | A-71395-1006 | PK-70873-0304 | NA | AX-71395-1106 | PK-70873-0304 | NA | AX-71395-1206 | PK-70873-0304 | .200 | 5,08 | .299 | 7,59 | | |
| 4 | 8 | 15-45-3208 | A-71395-1008 | PK-70873-0304 | 15-45-3108 | A-71395-1108 | PK-70873-0304 | 15-45-3308 | A-71395-1208 | PK-70873-0304 | .300 | 7,62 | .399 | 10,13 | | |
| 5 | 10 | 15-45-3210 | A-71395-1010 | PK-70873-0304 | 15-45-3110 | A-71395-1110 | PK-70873-0304 | 15-45-3310 | A-71395-1210 | PK-70873-0304 | .400 | 10,16 | .499 | 12,67 | | |
| 6 | 12 | 15-45-3212 | A-71395-1012 | PK-70873-0304 | 15-45-3112 | A-71395-1112 | PK-70873-0304 | 15-45-3312 | A-71395-1212 | PK-70873-0304 | .500 | 12,70 | .599 | 15,21 | | |
| 7 | 14 | 15-45-3214 | A-71395-1014 | PK-70873-0304 | 15-45-3114 | A-71395-1114 | PK-70873-0304 | 15-45-3314 | A-71395-1214 | PK-70873-0304 | .600 | 15,24 | .699 | 17,75 | | |
| 8 | 16 | 15-45-3216 | A-71395-1016 | PK-70873-0304 | 15-45-3116 | A-71395-1116 | PK-70873-0304 | 15-45-3316 | A-71395-1216 | PK-70873-0304 | .700 | 17,78 | .799 | 20,29 | | |
| 9 | 18 | 15-45-3218 | A-71395-1018 | PK-70873-0304 | 15-45-3118 | A-71395-1118 | PK-70873-0304 | 15-45-3318 | A-71395-1218 | PK-70873-0304 | .800 | 20,32 | .899 | 22,83 | | |
| 10 | 20 | 15-45-3220 | A-71395-1020 | PK-70873-0304 | 15-45-3120 | A-71395-1120 | PK-70873-0304 | 15-45-3320 | A-71395-1220 | PK-70873-0304 | .900 | 22,86 | .999 | 25,37 | | |
| 11 | 22 | 15-45-3222 | A-71395-1022 | PK-70873-0304 | 15-45-3122 | A-71395-1122 | PK-70873-0304 | 15-45-3322 | A-71395-1222 | PK-70873-0304 | 1.000 | 25,40 | 1.099 | 27,91 | | |
| 12 | 24 | 15-45-3224 | A-71395-1024 | PK-70873-0304 | 15-45-3124 | A-71395-1124 | PK-70873-0304 | 15-45-3324 | A-71395-1224 | PK-70873-0304 | 1.100 | 27,94 | 1.199 | 30,45 | | |
| 13 | 26 | 15-45-3226 | A-71395-1026 | PK-70873-0304 | 15-45-3126 | A-71395-1126 | PK-70873-0304 | 15-45-3326 | A-71395-1226 | PK-70873-0304 | 1.200 | 30,48 | 1.299 | 32,99 | | |
| 14 | 28 | 15-45-3228 | A-71395-1028 | PK-70873-0304 | 15-45-3128 | A-71395-1128 | PK-70873-0304 | 15-45-3328 | A-71395-1228 | PK-70873-0304 | 1.300 | 33,02 | 1.399 | 35,53 | | |
| 15 | 30 | 15-45-3230 | A-71395-1030 | PK-70873-0304 | 15-45-3130 | A-71395-1130 | PK-70873-0304 | 15-45-3330 | A-71395-1230 | PK-70873-0304 | 1.400 | 35,56 | 1.499 | 38,07 | | |
| 16 | 32 | 15-45-3232 | A-71395-1032 | PK-70873-0304 | 15-45-3132 | A-71395-1132 | PK-70873-0304 | 15-45-3332 | A-71395-1232 | PK-70873-0304 | 1.500 | 38,10 | 1.599 | 40,61 | | |
| 17 | 34 | 15-45-3234 | A-71395-1034 | PK-70873-0304 | 15-45-3134 | A-71395-1134 | PK-70873-0304 | 15-45-3334 | A-71395-1234 | PK-70873-0304 | 1.600 | 40,64 | 1.699 | 43,15 | | |
| 18 | 36 | 15-45-3236 | A-71395-1036 | PK-70873-0304 | 15-45-3136 | A-71395-1136 | PK-70873-0304 | 15-45-3336 | A-71395-1236 | PK-70873-0304 | 1.700 | 43,18 | 1.799 | 45,69 | | |
| 19 | 38 | 15-45-3238 | A-71395-1038 | PK-70873-0304 | 15-45-3138 | A-71395-1138 | PK-70873-0304 | 15-45-3338 | A-71395-1238 | PK-70873-0304 | 1.800 | 45,72 | 1.899 | 48,23 | | |
| 20 | 40 | 15-45-3240 | A-71395-1040 | PK-70873-0304 | 15-45-3140 | A-71395-1140 | PK-70873-0304 | 15-45-3340 | A-71395-1240 | PK-70873-0304 | 1.900 | 48,26 | 1.999 | 50,77 | | |
| 21 | 42 | 15-45-3242 | A-71395-1042 | PK-70873-0304 | 15-45-3142 | A-71395-1142 | PK-70873-0304 | 15-45-3342 | A-71395-1242 | PK-70873-0304 | 2.000 | 50,80 | 2.099 | 53,31 | | |
| 22 | 44 | 15-45-3244 | A-71395-1044 | PK-70873-0304 | 15-45-3144 | A-71395-1144 | PK-70873-0304 | 15-45-3344 | A-71395-1244 | PK-70873-0304 | 2.100 | 53,34 | 2.199 | 55,85 | | |
| 23 | 46 | 15-45-3246 | A-71395-1046 | PK-70873-0304 | 15-45-3146 | A-71395-1146 | PK-70873-0304 | 15-45-3346 | A-71395-1246 | PK-70873-0304 | 2.200 | 55,88 | 2.299 | 58,39 | | |
| 24 | 48 | 15-45-3248 | A-71395-1048 | PK-70873-0304 | 15-45-3148 | A-71395-1148 | PK-70873-0304 | 15-45-3348 | A-71395-1248 | PK-70873-0304 | 2.300 | 58,42 | 2.399 | 60,93 | | |
| 25 | 50 | 15-45-3250 | A-71395-1050 | PK-70873-0304 | 15-45-3150 | A-71395-1150 | PK-70873-0304 | 15-45-3350 | A-71395-1250 | PK-70873-0304 | 2.400 | 60,96 | 2.499 | 63,47 | | |
| 26 | 52 | 15-45-3252 | A-71395-1052 | PK-70873-0304 | 15-45-3152 | A-71395-1152 | PK-70873-0304 | 15-45-3352 | A-71395-1252 | PK-70873-0304 | 2.500 | 63,50 | 2.599 | 66,01 | | |
| 27 | 54 | 15-45-3254 | A-71395-1054 | PK-70873-0304 | 15-45-3154 | A-71395-1154 | PK-70873-0304 | 15-45-3354 | A-71395-1254 | PK-70873-0304 | 2.600 | 66,04 | 2.699 | 68,55 | | |
| 28 | 56 | 15-45-3256 | A-71395-1056 | PK-70873-0304 | 15-45-3156 | A-71395-1156 | PK-70873-0304 | 15-45-3356 | A-71395-1256 | PK-70873-0304 | 2.700 | 68,58 | 2.799 | 71,09 | | |
| 29 | 58 | 15-45-3258 | A-71395-1058 | PK-70873-0304 | 15-45-3158 | A-71395-1158 | PK-70873-0304 | 15-45-3358 | A-71395-1258 | PK-70873-0304 | 2.800 | 71,12 | 2.899 | 73,63 | | |
| 30 | 60 | 15-45-3260 | A-71395-1060 | PK-70873-0304 | 15-45-3160 | A-71395-1160 | PK-70873-0304 | 15-45-3360 | A-71395-1260 | PK-70873-0304 | 2.900 | 73,66 | 2.999 | 76,17 | | |
| 31 | 62 | 15-45-3262 | A-71395-1062 | PK-70873-0304 | 15-45-3162 | A-71395-1162 | PK-70873-0304 | 15-45-3362 | A-71395-1262 | PK-70873-0304 | 3.000 | 76,20 | 3.099 | 78,71 | | |
| 32 | 64 | 15-45-3264 | A-71395-1064 | PK-70873-0304 | 15-45-3TIN | A-71395-1TIN | PK-70873-0304 | 15-45-3364 | A-71395-1264 | PK-70873-0304 | 3.100 | 78,74 | 3.199 | 81,25 | | |
| 33 | 66 | 15-45-3266 | A-71395-1066 | PK-70873-0304 | 15-45-3166 | A-71395-1166 | PK-70873-0304 | 15-45-3366 | A-71395-1266 | PK-70873-0304 | 3.200 | 81,28 | 3.299 | 83,79 | | |
| 34 | 68 | 15-45-3268 | A-71395-1068 | PK-70873-0304 | 15-45-3168 | A-71395-1168 | PK-70873-0304 | 15-45-3368 | A-71395-1268 | PK-70873-0304 | 3.300 | 83,82 | 3.399 | 86,33 | | |
| 35 | 70 | 15-45-3270 | A-71395-1070 | PK-70873-0304 | 15-45-3170 | A-71395-1170 | PK-70873-0304 | 15-45-3370 | A-71395-1270 | PK-70873-0304 | 3.400 | 86,36 | 3.499 | 88,87 | | |
| 36 | 72 | 15-45-3272 | A-71395-1072 | PK-70873-0304 | 15-45-3172 | A-71395-1172 | PK-70873-0304 | 15-45-3372 | A-71395-1272 | PK-70873-0304 | 3.500 | 88,90 | 3.599 | 91,41 | | |
| 37 | 74 | 15-45-3274 | A-71395-1074 | PK-70873-0304 | 15-45-3174 | A-71395-1174 | PK-70873-0304 | 15-45-3374 | A-71395-1274 | PK-70873-0304 | 3.600 | 91,44 | 3.699 | 93,95 | | |
| 38 | 76 | 15-45-3276 | A-71395-1076 | PK-70873-0304 | 15-45-3176 | A-71395-1176 | PK-70873-0304 | 15-45-3376 | A-71395-1276 | PK-70873-0304 | 3.700 | 93,98 | 3.799 | 96,49 | | |
| 39 | 78 | 15-45-3278 | A-71395-1078 | PK-70873-0304 | 15-45-3178 | A-71395-1178 | PK-70873-0304 | 15-45-3378 | A-71395-1278 | PK-70873-0304 | 3.800 | 96,52 | 3.899 | 99,03 | | |
| 40 | 80 | 15-45-3280 | A-71395-1080 | PK-70873-0304 | 15-45-3180 | A-71395-1180 | PK-70873-0304 | 15-45-3380 | A-71395-1280 | PK-70873-0304 | 3.900 | 99,06 | 3.999 | 101,57 | | |

PLATING:

TIN (3.75 MICROMETER)/150 MICROINCH MINIMUM TIN OVER
(1.25 MICROMETER)/50 MICROINCH MINIMUM NICKEL OVERALL.

15 GOLD (0.37 MICROMETER)/15 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT AREA;
(1.88 MICROMETER)/75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC TAIL AREA OVER
(1.25 MICROMETER)/50 MICROINCH MINIMUM NICKEL OVERALL.

30 GOLD (0.75 MICROMETER)/30 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT AREA;
(1.88 MICROMETER)/75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC TAIL AREA OVER
(1.25 MICROMETER)/50 MICROINCH MINIMUM NICKEL OVERALL.

SEE SHEET 1
EC NO: UCP2010-1001 2009/10/14
DRWN:MS|BARRA 2009/12/01
CH'KD:DMORGAN 2009/12/01
APPR:SMILLER
DESCRIPTION
N
REV

QUALITY SYMBOLS
FV =0
FE =0
FP =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .014 |
| 1 PLACE | ± 0.35 | ± --- |

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY DATE
CHECKED BY DATE: RB 1985/12/03
APPROVED BY DATE

TITLE: CONNECTOR DUAL ROW VERTICAL SURFACE MOUNT TOP ENTRY ON .100 GRID

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-71395-1***
SHEET NO.: 2 OF 3

SIZE: C

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

| NO. OF CKTS. | | TIN PLATING | | | 15 GOLD PLATING | | | 30 GOLD PLATING | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PER ROW | TOTAL | E.D.P. NO. | ENG. NO. | TAPE AND REEL PACKAGING | E.D.P. NO. | ENG. NO. | TAPE AND REEL PACKAGING | E.D.P. NO. | ENG. NO. | TAPE AND REEL PACKAGING | DIM. "A" INCH | DIM. "A" MM | DIM. "B" INCH | DIM. "B" MM | INCH | MM |
| 7 | 14 | NA | NA | NA | NA | NA | NA | 71395-5114 | A-71395-5114 | PK-71395-001 | .600 | 15.24 | .699 | 17.75 | | |
| 8 | 16 | NA | NA | NA | 71395-5016 | A-71395-5016 | PK-71395-001 | NA | NA | NA | .700 | 17.78 | .799 | 20.29 | | |
| | | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| 10 | 20 | NA | NA | NA | 71395-5020 | A-71395-5020 | PK-71395-001 | 71395-5120 | A-71395-5120 | PK-71395-001 | .900 | 22.86 | .999 | 25.37 | | |
| 20 | 40 | NA | NA | NA | 71395-5040 | A-71395-5040 | PK-71395-001 | NA | NA | NA | 1.900 | 48.26 | 1.999 | 50.77 | | |
| | | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |

PLATING:

TIN (3.75 MICROMETER)/150 MICROINCH MINIMUM TIN OVER
(1.25 MICROMETER)/50 MICROINCH MINIMUM NICKEL OVERALL.

15 GOLD (0.37 MICROMETER)/15 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT AREA;
(1.88 MICROMETER)/75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC TAIL AREA OVER
(1.25 MICROMETER)/50 MICROINCH MINIMUM NICKEL OVERALL.

30 GOLD (0.75 MICROMETER)/30 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT AREA;
(1.88 MICROMETER)/75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC TAIL AREA OVER
(1.25 MICROMETER)/50 MICROINCH MINIMUM NICKEL OVERALL.

| REV | DESCRIPTION | |
|---|---|---|
| N | ADD 71395-5040<br>EC NO: UCP2010-1001 | 2009/10/14 |
| | DRWN:MS IBARRA | 2009/12/01 |
| | CH'KD:DMORGAN | 2009/12/01 |
| | APPR:SMILLER | 2009/12/01 |

QUALITY SYMBOLS

E =0
E =0
E =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .014 |
| 1 PLACE | ± 0.35 | ± --- |

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY DATE
CHECKED BY DATE: RB 1985/12/03
APPROVED BY DATE

TITLE: CONNECTOR DUAL ROW VERTICAL SURFACE MOUNT TOP ENTRY ON .100 GRID

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-71395-1***
SHEET NO.: 3 OF 3

SIZE: C

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

## - VERSION WITHOUT PCB RETENTION PEGS -

| NO. OF CKTS. | | TIN PLATING | | | 15 GOLD PLATING | | | 30 GOLD PLATING | | | DIM. "A" | | DIM. "B" | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PER ROW | TOTAL | E.D.P. NO. | ENG. NO. | TRAY PACKAGING | E.D.P. NO. | ENG. NO. | TRAY PACKAGING | E.D.P. NO. | ENG. NO. | TRAY PACKAGING | INCH | MM | INCH | MM | INCH | MM |
| 2 | 4 | NA | AX-71395-1004 | PK-70873-0304 | NA | AX-71395-1104 | PK-70873-0304 | NA | AX-71395-1204 | PK-70873-0304 | .100 | 2,54 | .199 | 5,05 | | |
| 3 | 6 | 71395-1006 | A-71395-1006 | PK-70873-0304 | NA | AX-71395-1106 | PK-70873-0304 | NA | AX-71395-1206 | PK-70873-0304 | .200 | 5,08 | .299 | 7,59 | | |
| 4 | 8 | 15-45-3208 | A-71395-1008 | PK-70873-0304 | 15-45-3108 | A-71395-1108 | PK-70873-0304 | 15-45-3308 | A-71395-1208 | PK-70873-0304 | .300 | 7,62 | .399 | 10,13 | | |
| 5 | 10 | 15-45-3210 | A-71395-1010 | PK-70873-0304 | 15-45-3110 | A-71395-1110 | PK-70873-0304 | 15-45-3310 | A-71395-1210 | PK-70873-0304 | .400 | 10,16 | .499 | 12,67 | | |
| 6 | 12 | 15-45-3212 | A-71395-1012 | PK-70873-0304 | 15-45-3112 | A-71395-1112 | PK-70873-0304 | 15-45-3312 | A-71395-1212 | PK-70873-0304 | .500 | 12,70 | .599 | 15,21 | | |
| 7 | 14 | 15-45-3214 | A-71395-1014 | PK-70873-0304 | 15-45-3114 | A-71395-1114 | PK-70873-0304 | 15-45-3314 | A-71395-1214 | PK-70873-0304 | .600 | 15,24 | .699 | 17,75 | | |
| 8 | 16 | 15-45-3216 | A-71395-1016 | PK-70873-0304 | 15-45-3116 | A-71395-1116 | PK-70873-0304 | 15-45-3316 | A-71395-1216 | PK-70873-0304 | .700 | 17,78 | .799 | 20,29 | | |
| 9 | 18 | 15-45-3218 | A-71395-1018 | PK-70873-0304 | 15-45-3118 | A-71395-1118 | PK-70873-0304 | 15-45-3318 | A-71395-1218 | PK-70873-0304 | .800 | 20,32 | .899 | 22,83 | | |
| 10 | 20 | 15-45-3220 | A-71395-1020 | PK-70873-0304 | 15-45-3120 | A-71395-1120 | PK-70873-0304 | 15-45-3320 | A-71395-1220 | PK-70873-0304 | .900 | 22,86 | .999 | 25,37 | | |
| 11 | 22 | 15-45-3222 | A-71395-1022 | PK-70873-0304 | 15-45-3122 | A-71395-1122 | PK-70873-0304 | 15-45-3322 | A-71395-1222 | PK-70873-0304 | 1.000 | 25,40 | 1.099 | 27,91 | | |
| 12 | 24 | 15-45-3224 | A-71395-1024 | PK-70873-0304 | 15-45-3124 | A-71395-1124 | PK-70873-0304 | 15-45-3324 | A-71395-1224 | PK-70873-0304 | 1.100 | 27,94 | 1.199 | 30,45 | | |
| 13 | 26 | 15-45-3226 | A-71395-1026 | PK-70873-0304 | 15-45-3126 | A-71395-1126 | PK-70873-0304 | 15-45-3326 | A-71395-1226 | PK-70873-0304 | 1.200 | 30,48 | 1.299 | 32,99 | | |
| 14 | 28 | 15-45-3228 | A-71395-1028 | PK-70873-0304 | 15-45-3128 | A-71395-1128 | PK-70873-0304 | 15-45-3328 | A-71395-1228 | PK-70873-0304 | 1.300 | 33,02 | 1.399 | 35,53 | | |
| 15 | 30 | 15-45-3230 | A-71395-1030 | PK-70873-0304 | 15-45-3130 | A-71395-1130 | PK-70873-0304 | 15-45-3330 | A-71395-1230 | PK-70873-0304 | 1.400 | 35,56 | 1.499 | 38,07 | | |
| 16 | 32 | 15-45-3232 | A-71395-1032 | PK-70873-0304 | 15-45-3132 | A-71395-1132 | PK-70873-0304 | 15-45-3332 | A-71395-1232 | PK-70873-0304 | 1.500 | 38,10 | 1.599 | 40,61 | | |
| 17 | 34 | 15-45-3234 | A-71395-1034 | PK-70873-0304 | 15-45-3134 | A-71395-1134 | PK-70873-0304 | 15-45-3334 | A-71395-1234 | PK-70873-0304 | 1.600 | 40,64 | 1.699 | 43,15 | | |
| 18 | 36 | 15-45-3236 | A-71395-1036 | PK-70873-0304 | 15-45-3136 | A-71395-1136 | PK-70873-0304 | 15-45-3336 | A-71395-1236 | PK-70873-0304 | 1.700 | 43,18 | 1.799 | 45,69 | | |
| 19 | 38 | 15-45-3238 | A-71395-1038 | PK-70873-0304 | 15-45-3138 | A-71395-1138 | PK-70873-0304 | 15-45-3338 | A-71395-1238 | PK-70873-0304 | 1.800 | 45,72 | 1.899 | 48,23 | | |
| 20 | 40 | 15-45-3240 | A-71395-1040 | PK-70873-0304 | 15-45-3140 | A-71395-1140 | PK-70873-0304 | 15-45-3340 | A-71395-1240 | PK-70873-0304 | 1.900 | 48,26 | 1.999 | 50,77 | | |
| 21 | 42 | 15-45-3242 | A-71395-1042 | PK-70873-0304 | 15-45-3142 | A-71395-1142 | PK-70873-0304 | 15-45-3342 | A-71395-1242 | PK-70873-0304 | 2.000 | 50,80 | 2.099 | 53,31 | | |
| 22 | 44 | 15-45-3244 | A-71395-1044 | PK-70873-0304 | 15-45-3144 | A-71395-1144 | PK-70873-0304 | 15-45-3344 | A-71395-1244 | PK-70873-0304 | 2.100 | 53,34 | 2.199 | 55,85 | | |
| 23 | 46 | 15-45-3246 | A-71395-1046 | PK-70873-0304 | 15-45-3146 | A-71395-1146 | PK-70873-0304 | 15-45-3346 | A-71395-1246 | PK-70873-0304 | 2.200 | 55,88 | 2.299 | 58,39 | | |
| 24 | 48 | 15-45-3248 | A-71395-1048 | PK-70873-0304 | 15-45-3148 | A-71395-1148 | PK-70873-0304 | 15-45-3348 | A-71395-1248 | PK-70873-0304 | 2.300 | 58,42 | 2.399 | 60,93 | | |
| 25 | 50 | 15-45-3250 | A-71395-1050 | PK-70873-0304 | 15-45-3150 | A-71395-1150 | PK-70873-0304 | 15-45-3350 | A-71395-1250 | PK-70873-0304 | 2.400 | 60,96 | 2.499 | 63,47 | | |
| 26 | 52 | 15-45-3252 | A-71395-1052 | PK-70873-0304 | 15-45-3152 | A-71395-1152 | PK-70873-0304 | 15-45-3352 | A-71395-1252 | PK-70873-0304 | 2.500 | 63,50 | 2.599 | 66,01 | | |
| 27 | 54 | 15-45-3254 | A-71395-1054 | PK-70873-0304 | 15-45-3154 | A-71395-1154 | PK-70873-0304 | 15-45-3354 | A-71395-1254 | PK-70873-0304 | 2.600 | 66,04 | 2.699 | 68,55 | | |
| 28 | 56 | 15-45-3256 | A-71395-1056 | PK-70873-0304 | 15-45-3156 | A-71395-1156 | PK-70873-0304 | 15-45-3356 | A-71395-1256 | PK-70873-0304 | 2.700 | 68,58 | 2.799 | 71,09 | | |
| 29 | 58 | 15-45-3258 | A-71395-1058 | PK-70873-0304 | 15-45-3158 | A-71395-1158 | PK-70873-0304 | 15-45-3358 | A-71395-1258 | PK-70873-0304 | 2.800 | 71,12 | 2.899 | 73,63 | | |
| 30 | 60 | 15-45-3260 | A-71395-1060 | PK-70873-0304 | 15-45-3160 | A-71395-1160 | PK-70873-0304 | 15-45-3360 | A-71395-1260 | PK-70873-0304 | 2.900 | 73,66 | 2.999 | 76,17 | | |
| 31 | 62 | 15-45-3262 | A-71395-1062 | PK-70873-0304 | 15-45-3162 | A-71395-1162 | PK-70873-0304 | 15-45-3362 | A-71395-1262 | PK-70873-0304 | 3.000 | 76,20 | 3.099 | 78,71 | | |
| 32 | 64 | 15-45-3264 | A-71395-1064 | PK-70873-0304 | 15-45-3TIN | A-71395-1TIN | PK-70873-0304 | 15-45-3364 | A-71395-1264 | PK-70873-0304 | 3.100 | 78,74 | 3.199 | 81,25 | | |
| 33 | 66 | 15-45-3266 | A-71395-1066 | PK-70873-0304 | 15-45-3166 | A-71395-1166 | PK-70873-0304 | 15-45-3366 | A-71395-1266 | PK-70873-0304 | 3.200 | 81,28 | 3.299 | 83,79 | | |
| 34 | 68 | 15-45-3268 | A-71395-1068 | PK-70873-0304 | 15-45-3168 | A-71395-1168 | PK-70873-0304 | 15-45-3368 | A-71395-1268 | PK-70873-0304 | 3.300 | 83,82 | 3.399 | 86,33 | | |
| 35 | 70 | 15-45-3270 | A-71395-1070 | PK-70873-0304 | 15-45-3170 | A-71395-1170 | PK-70873-0304 | 15-45-3370 | A-71395-1270 | PK-70873-0304 | 3.400 | 86,36 | 3.499 | 88,87 | | |
| 36 | 72 | 15-45-3272 | A-71395-1072 | PK-70873-0304 | 15-45-3172 | A-71395-1172 | PK-70873-0304 | 15-45-3372 | A-71395-1272 | PK-70873-0304 | 3.500 | 88,90 | 3.599 | 91,41 | | |
| 37 | 74 | 15-45-3274 | A-71395-1074 | PK-70873-0304 | 15-45-3174 | A-71395-1174 | PK-70873-0304 | 15-45-3374 | A-71395-1274 | PK-70873-0304 | 3.600 | 91,44 | 3.699 | 93,95 | | |
| 38 | 76 | 15-45-3276 | A-71395-1076 | PK-70873-0304 | 15-45-3176 | A-71395-1176 | PK-70873-0304 | 15-45-3376 | A-71395-1276 | PK-70873-0304 | 3.700 | 93,98 | 3.799 | 96,49 | | |
| 39 | 78 | 15-45-3278 | A-71395-1078 | PK-70873-0304 | 15-45-3178 | A-71395-1178 | PK-70873-0304 | 15-45-3378 | A-71395-1278 | PK-70873-0304 | 3.800 | 96,52 | 3.899 | 99,03 | | |
| 40 | 80 | 15-45-3280 | A-71395-1080 | PK-70873-0304 | 15-45-3180 | A-71395-1180 | PK-70873-0304 | 15-45-3380 | A-71395-1280 | PK-70873-0304 | 3.900 | 99,06 | 3.999 | 101,57 | | |

PLATING:

TIN (3.75 MICROMETER)/150 MICROINCH MINIMUM TIN OVER
(1.25 MICROMETER)/50 MICROINCH MINIMUM NICKEL OVERALL.

15 GOLD (0.37 MICROMETER)/15 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT AREA;
(1.88 MICROMETER)/75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC TAIL AREA OVER
(1.25 MICROMETER)/50 MICROINCH MINIMUM NICKEL OVERALL.

30 GOLD (0.75 MICROMETER)/30 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT AREA;
(1.88 MICROMETER)/75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC TAIL AREA OVER
(1.25 MICROMETER)/50 MICROINCH MINIMUM NICKEL OVERALL.

ADD 71395-1006 2007/06/19
EC NO: UCP2007-2946 2007/06/19
DRWN:DMORGAN CHKD:MSIBARRA APPR:SMILLER 2007/06/22
REV DESCRIPTION

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .014 |
| 1 PLACE | ± 0.35 | ± --- |

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 10:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY DATE
CHECKED BY DATE: RB 12/03/85
APPROVED BY DATE

TITLE: CONNECTOR DUAL ROW VERTICAL SURFACE MOUNT TOP ENTRY ON .100 GRID

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-71395-1***
SHEET NO.: 2

SIZE C

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