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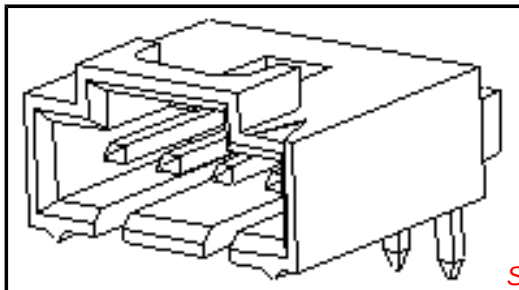
**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** 0705530002

**Status:** Active

**Overview:** cgrid__sl_products

**Description:** 2.54mm (.100") Pitch SL™ Header, Low Profile, Single Row, Right Angle, .120" Pocket, Shrouded, 3 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating



*Series image - Reference only*

**Documents:**

- 3D Model
- Drawing (PDF)
- Packaging Specification (PDF)
- Product Specification PS-70400 (PDF)
- Product Specification PS-70541 (PDF)
- RoHS Certificate of Compliance (PDF)

## Agency Certification

| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

## General

| | |
|---|---|
| Product Family | PCB Headers |
| Series | 70553 |
| Application | Wire-to-Board |
| MolexKits | Yes |
| Overview | cgrid__sl_products |
| Product Name | SL™ |

## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 3 |
| Circuits (maximum) | 3 |
| Color - Resin | Black |
| Durability (mating cycles max) | 50 |
| Flammability | 94V-0 |
| Glow-Wire Compliant | No |
| Guide to Mating Part | Yes |
| Lock to Mating Part | Yes |
| Material - Metal | Brass, Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Number of Rows | 1 |
| Orientation | Right Angle |
| PC Tail Length (in) | 0.130 In |
| PC Tail Length (mm) | 3.30 mm |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness Recommended (in) | 0.062 In |
| PCB Thickness Recommended (mm) | 1.60 mm |
| Packaging Type | Tube |
| Pitch - Mating Interface (in) | 0.100 In |
| Pitch - Mating Interface (mm) | 2.54 mm |
| Plating min: Mating (µin) | 15 |
| Plating min: Mating (µm) | 0.375 |
| Plating min: Termination (µin) | 75 |
| Plating min: Termination (µm) | 1.875 |
| Polarized to Mating Part | Yes |
| Shrouded | Fully |
| Stackable | No |

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

**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**
70553Series

**Mates With**
70066n , 70066g , 70430g , 70400g Housing

| | |
|---|---|
| Temperature Range - Operating | -40°C to +105°C |
| Termination Interface: Style | Through Hole |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 3A |
| Voltage - Maximum | 250V |

## Solder Process Data

| | |
|---|---|
| Duration at Max. Process Temperature (seconds) | 3 |
| Lead-free Process Capability | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature | 1 |
| Process Temperature max. C | 260 |

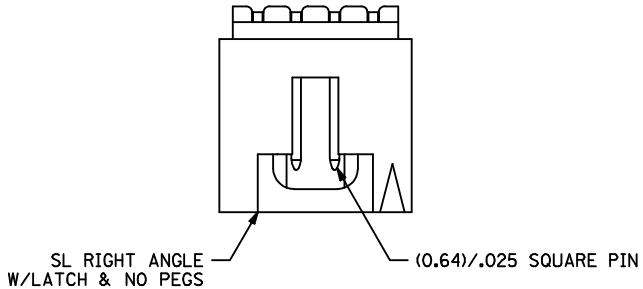
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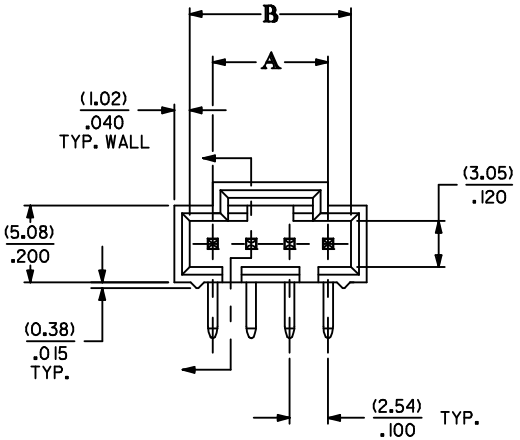
## Reference - Drawing Numbers

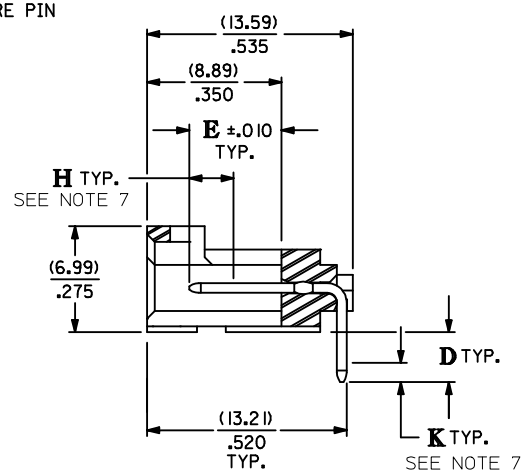
| | |
|---|---|
| Packaging Specification | PK-70873-0015 |
| Product Specification | PS-70400, PS-70541 |
| Sales Drawing | SDA-70553-**** |

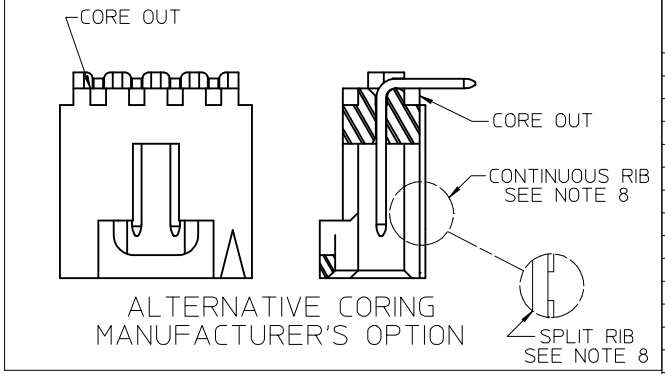
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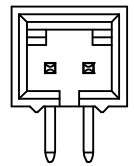


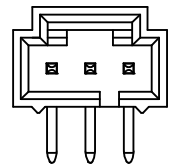



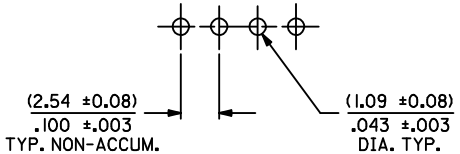




| CKT. SIZE | DIM. "A" MM | DIM. "A" IN. | DIM. "B" MM | DIM. "B" IN. |
|---|---|---|---|---|
| 2 | 2.54 | .100 | 5.33 | .210 |
| 3 | 5.08 | .200 | 8.13 | .320 |
| 4 | 7.62 | .300 | 10.67 | .420 |
| 5 | 10.16 | .400 | 13.21 | .520 |
| 6 | 12.70 | .500 | 15.75 | .620 |
| 7 | 15.24 | .600 | 18.29 | .720 |
| 8 | 17.78 | .700 | 20.83 | .820 |
| 9 | 20.32 | .800 | 23.37 | .920 |
| 10 | 22.86 | .900 | 25.91 | 1.020 |
| 11 | 25.40 | 1.000 | 28.45 | 1.120 |
| 12 | 27.94 | 1.100 | 30.99 | 1.220 |
| 13 | 30.48 | 1.200 | 33.53 | 1.320 |
| 14 | 33.02 | 1.300 | 36.07 | 1.420 |
| 15 | 35.56 | 1.400 | 38.61 | 1.520 |
| 16 | 38.10 | 1.500 | 41.15 | 1.620 |
| 17 | 40.64 | 1.600 | 43.69 | 1.720 |
| 18 | 43.18 | 1.700 | 46.23 | 1.820 |
| 19 | 45.72 | 1.800 | 48.77 | 1.920 |
| 20 | 48.26 | 1.900 | 51.31 | 2.020 |
| 21 | 50.80 | 2.000 | 53.85 | 2.120 |
| 22 | 53.34 | 2.100 | 56.39 | 2.220 |
| 23 | 55.88 | 2.200 | 58.93 | 2.320 |
| 24 | 58.42 | 2.300 | 61.47 | 2.420 |
| 25 | 60.96 | 2.400 | 64.01 | 2.520 |


2 CIRCUIT


3 CIRCUIT



RECOMMENDED PC BOARD LAYOUT
(FOR USE WITH (1.57)/.062 THICK BOARD)

NOTES:
1. HEADER MATERIAL: GLASS FILLED POLYESTER, UL 94V-0, COLOR: BLACK
   PIN MATERIAL: PHOSPHOR BRONZE
2. FINISH:
   TIN: 3.81 MICROMETERS/150 MICROINCHES MINIMUM TIN PLATE OVERALL OVER NICKEL UNDERPLATE OVERALL
   15 GOLD: 0.38 MICROMETERS/15 MICROINCHES MINIMUM GOLD PLATE IN CONTACT AREA 1.91 MICROMETERS/75 MICROINCHES MINIMUM TIN PLATE IN TAIL AREA OVER NICKEL UNDERPLATE OVERALL
   30 GOLD: 0.76 MICROMETERS/30 MICROINCHES MINIMUM GOLD PLATE IN CONTACT AREA 1.91 MICROMETERS/75 MICROINCHES MINIMUM TIN PLATE IN TAIL AREA OVER NICKEL UNDERPLATE OVERALL
3. HEADER TO BE USED WITH OPTION "G" 70400 AND 70430 SERIES SL CONNECTORS
4. REFER TO MOLEX PRODUCT SPECIFICATION PS-70541 & PS-70400
5. STANDARD PACKAGING IN TUBES PER PK-70873-0015 OR OPTIONAL PACKAGING IN BAGS PER PK-70873-0535. OPTION PACK NOT AVAILABLE FOR ALL CKT SIZES.
6. DIMENSIONS WITHOUT TOLERANCE ARE SHOWN FOR REFERENCE ONLY.
7. MEASURE POINT FOR PLATING THICKNESS
8. ALTERNATIVE RIB, MAY BE SPILT OR CONTINUOUS. EITHER OPTION DOES NOT IMPACT FUNCTION OF THE ASSEMBLY.

| REV | DESCRIPTION | EC NO: | DRWN | CHKD | APPR |
|---|---|---|---|---|---|
| A | ADD RIB NOTE 8 | UCP2010-0787 | MSIBARRA 2009/09/24 | DMORGAN 2009/10/02 | SMILLER 2009/10/05 |

QUALITY SYMBOLS: F=0, F=0, F=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .005 |
| 2 PLACES | ± 0.13 | ± .010 |
| 1 PLACE | ± 0.25 | ± --- |
| ANGULAR ±1/2° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

| | | DATE |
|---|---|---|
| DRAWN BY | AAB | 1993/05/13 |
| CHECKED BY | AAB | 1993/05/13 |
| APPROVED BY | WAZ | 1993/05/13 |

TITLE: SALES ASSY, SL RIGHT ANGLE HDR W/LATCH (2.54)/.100 CENTERS

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-70553-****
SHEET NO.: 1 OF 3
SIZE: C

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

| CIRCUIT SIZE | ENGINEERING NUMBER A-70553 | MANUFACTURE RELEASE STATUS | | | | | D REF. | E ± .010 | PLATING TYPE | CONNECTOR END PLATING TYPE | CONNECTOR END PLATING H MEAS. | | P.C. BOARD END PLATING TYPE | P.C. BOARD END PLATING K MEAS. | | SEE PACK INFORMA. DRAWING PK-70873 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-10 | -0001-0009 | R.F.M. | | | | | (3.30) .130 | (6.10) .240 | 15 GOLD | GOLD | (2.54) .100 | | TIN | (1.27) .050 | | -0015 (TUBES) |
| 11-25 | -0010-0024 | R.F.M. | | | | | | | | | | | | | | |
| 2-10 | -0036-0044 | R.F.M. | | | | | (3.30) .130 | (6.10) .240 | TIN | TIN | (2.54) .100 | | TIN | (1.27) .050 | | -0015 (TUBES) |
| 11-25 | -0045-0059 | R.F.M. | | | | | | | | | | | | | | |
| 2-10 | -0106-0114 | R.F.M. | | | | | (3.30) .130 | (6.10) .240 | 30 GOLD | GOLD | (2.54) .100 | | TIN | (1.27) .050 | | -0015 (TUBES) |
| 11-25 | -0115-0129 | R.F.M. | | | | | | | | | | | | | | |
| 2-10 | -0141-0149 | R.F.M. | | | | | (2.67) .105 | (6.10) .240 | 15 GOLD | GOLD | (2.54) .100 | | TIN | (1.27) .050 | | -0015 (TUBES) |
| 11-25 | -0150-0TIN | R.F.M. | | | | | | | | | | | | | | |
| 2-10 | | | | | | | | | | | | | | | | |
| 11-25 | | | | | | | | | | | | | | | | |

| CIRCUIT SIZE | ASSEMBLY ITEM NUMBER | ASSEMBLY ITEM NUMBER | ASSEMBLY ITEM NUMBER | ASSEMBLY ITEM NUMBER | ASSEMBLY ITEM NUMBER | ASSEMBLY ITEM NUMBER |
|---|---|---|---|---|---|---|
| 2 | 70553-0001 | 70553-0036 | 70553-0106 | 70553-0141 | | |
| 3 | 70553-0002 | 70553-0037 | 70553-0107 | 70553-0142 | | |
| 4 | 70553-0003 | 70553-0038 | 70553-0108 | 70553-0143 | | |
| 5 | 70553-0004 | 70553-0039 | 70553-0109 | 70553-0144 | | |
| 6 | 70553-0005 | 70553-0040 | 70553-0110 | 70553-0145 | | |
| 7 | 70553-0006 | 70553-0041 | 70553-0111 | 70553-0146 | | |
| 8 | 70553-0007 | 70553-0042 | 70553-0112 | 70553-0147 | | |
| 9 | 70553-0008 | 70553-0043 | 70553-0113 | 70553-0148 | | |
| 10 | 70553-0009 | 70553-0044 | 70553-0114 | 70553-0149 | | |
| 11 | 70553-0010 | 70553-0045 | 70553-0115 | 70553-0150 | | |
| 12 | 70553-0011 | 70553-0046 | 70553-0116 | 70553-0151 | | |
| 13 | 70553-0012 | 70553-0047 | 70553-0117 | 70553-0152 | | |
| 14 | 70553-0013 | 70553-0048 | 70553-0118 | 70553-0153 | | |
| 15 | 70553-0014 | 70553-0049 | 70553-0119 | 70553-0154 | | |
| 16 | 70553-0015 | 70553-0050 | 70553-0120 | 70553-0155 | | |
| 17 | 70553-0016 | 70553-0051 | 70553-0121 | 70553-0156 | | |
| 18 | 70553-0017 | 70553-0052 | 70553-0122 | 70553-0157 | | |
| 19 | 70553-0018 | 70553-0053 | 70553-0123 | 70553-0158 | | |
| 20 | 70553-0019 | 70553-0054 | 70553-0124 | 70553-0159 | | |
| 21 | 70553-0020 | 70553-0055 | 70553-0125 | 70553-0160 | | |
| 22 | 70553-0021 | 70553-0056 | 70553-0126 | 70553-0161 | | |
| 23 | 70553-0022 | 70553-0057 | 70553-0127 | 70553-0162 | | |
| 24 | 70553-0023 | 70553-0058 | 70553-0128 | 70553-0163 | | |
| 25 | 70553-0024 | 70553-0059 | 70553-0129 | 70553-0164 | | |

"X" IN COLUMN UNDER "ASSEMBLY ITEM NUMBER" HEADING DENOTES TOOLING NOT AVAILABLE

UPDATE REV LEVEL
EC NO: UCP2010-0787 2009/09/24
DRWN:MS1BARRA 2009/10/02
CHK'D:DMORGAN
APPR:SMILLER 2009/10/05
DESCRIPTION
REV
—

QUALITY SYMBOLS
F =0
F =0
F =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .005 |
| 2 PLACES | ± 0.13 | ± .010 |
| 1 PLACE | ± 0.25 | ± --- |
| ANGULAR ±1/2° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

| | | DATE |
|---|---|---|
| DRAWN BY | AAB | 1993/05/13 |
| CHECKED BY | AAB | 1993/05/13 |
| APPROVED BY | WAZ | 1993/05/13 |

TITLE: SALES ASSY, SL RIGHT ANGLE HDR W/LATCH (2.54)/.100 CENTERS

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-70553-****
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

| CIRCUIT SIZE | ENGINEERING NUMBER A-70553 | MANUFACTURE RELEASE STATUS | | | | | D REF. | E ± .010 | PLATING TYPE | CONNECTOR END PLATING TYPE | H MEAS. | | P.C. BOARD END PLATING TYPE | K MEAS. | | SEE PACK INFORMA. DRAWING PK-70873 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-10 | -5001-5009 | | | | | | (3.30) .130 | (6.10) .240 | 15 GOLD | GOLD | (2.54) .100 | | TIN | (1.27) .050 | | -0535 (BAGS) |
| | | | | | | | | | | | | | | | | |
| 2-10 | -5036-5044 | R.F.M. | | | | | (3.30) .130 | (6.10) .240 | TIN | TIN | (2.54) .100 | | TIN | (1.27) .050 | | -0535 (BAGS) |
| | | | | | | | | | | | | | | | | |
| 2-10 | -6001-6009 | R.F.M. | | | | | (3.30) .130 | (6.10) .240 | 15 GOLD | GOLD | (2.54) .100 | | TIN | (1.27) .050 | | -0015 (TUBES) |
| | | | | | | | | | | | | | | | | |
| 2-10 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

| CIRCUIT SIZE | ASSEMBLY ITEM NUMBER | | ASSEMBLY ITEM NUMBER | | ASSEMBLY ITEM NUMBER | | ASSEMBLY ITEM NUMBER | | ASSEMBLY ITEM NUMBER | | ASSEMBLY ITEM NUMBER | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | X | 70553-5001 | | 70553-5036 | | | | | | | | |
| 3 | X | 70553-5002 | X | 70553-5037 | | 70553-6002 | | | | | | |
| 4 | X | 70553-5003 | | 70553-5038 | | | | | | | | |
| 5 | X | 70553-5004 | X | 70553-5039 | | | | | | | | |
| 6 | X | 70553-5005 | X | 70553-5040 | | | | | | | | |
| 7 | X | 70553-5006 | X | 70553-5041 | | | | | | | | |
| 8 | X | 70553-5007 | X | 70553-5042 | | | | | | | | |
| 9 | X | 70553-5008 | X | 70553-5043 | | | | | | | | |
| 10 | X | 70553-5009 | X | 70553-5044 | | | | | | | | |

"X" IN COLUMN UNDER "ASSEMBLY ITEM NUMBER " HEADING DENOTES TOOLING NOT AVAILABLE

UPDATE REV LEVEL
EC NO: UCP2010-0787 2009/09/24
DRWN:MS|BARRA 2009/10/02
CH'KD:DMORGAN
APPR:SMILLER 2009/10/05
DESCRIPTION
REV
—

QUALITY SYMBOLS
E =0
E =0
E =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .005 |
| 2 PLACES | ± 0.13 | ± .010 |
| 1 PLACE | ± 0.25 | ± --- |
| ANGULAR ±1/2° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

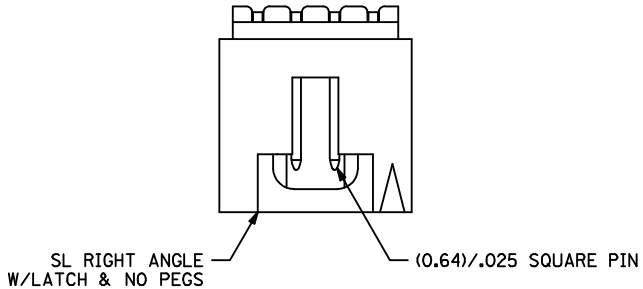
| | | DATE |
|---|---|---|
| DRAWN BY | AAB | 1993/05/13 |
| CHECKED BY | AAB | 1993/05/13 |
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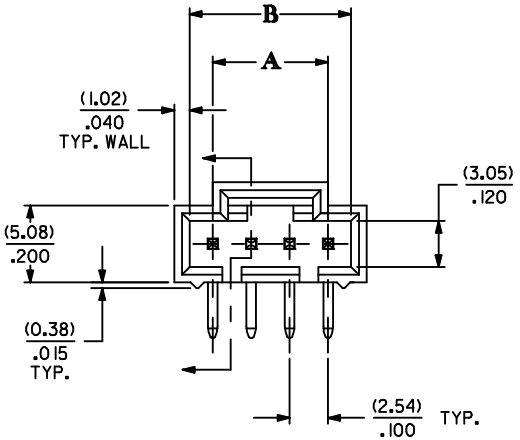
TITLE: SALES ASSY, SL RIGHT ANGLE HDR W/LATCH (2.54)/.100 CENTERS

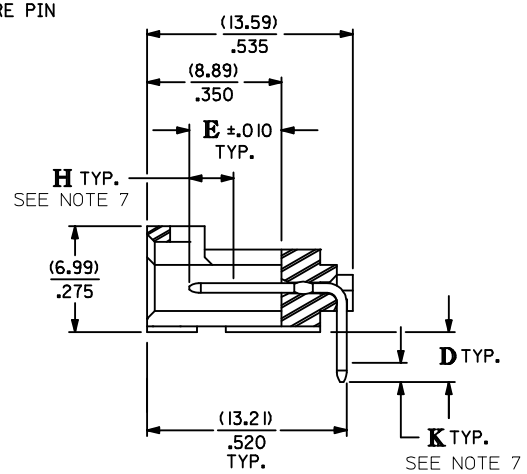
molex MOLEX INCORPORATED

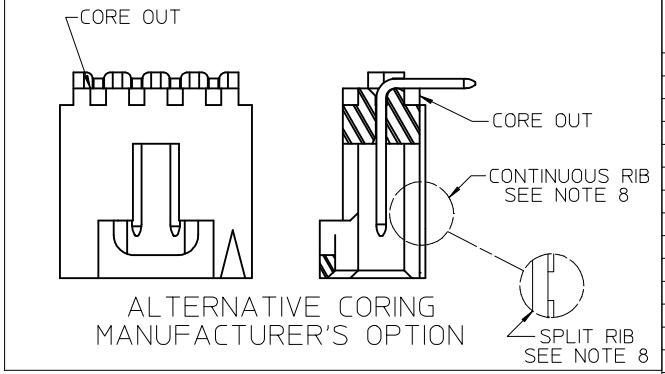
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-70553-****
SHEET NO.: 3 OF 3
SIZE: C

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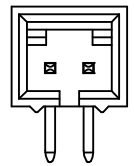


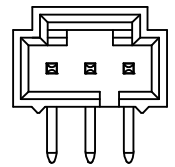



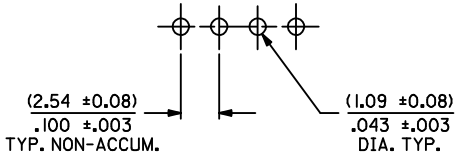




| CKT. SIZE | DIM. "A" MM | DIM. "A" IN. | DIM. "B" MM | DIM. "B" IN. |
|---|---|---|---|---|
| 2 | 2.54 | .100 | 5.33 | .210 |
| 3 | 5.08 | .200 | 8.13 | .320 |
| 4 | 7.62 | .300 | 10.67 | .420 |
| 5 | 10.16 | .400 | 13.21 | .520 |
| 6 | 12.70 | .500 | 15.75 | .620 |
| 7 | 15.24 | .600 | 18.29 | .720 |
| 8 | 17.78 | .700 | 20.83 | .820 |
| 9 | 20.32 | .800 | 23.37 | .920 |
| 10 | 22.86 | .900 | 25.91 | 1.020 |
| 11 | 25.40 | 1.000 | 28.45 | 1.120 |
| 12 | 27.94 | 1.100 | 30.99 | 1.220 |
| 13 | 30.48 | 1.200 | 33.53 | 1.320 |
| 14 | 33.02 | 1.300 | 36.07 | 1.420 |
| 15 | 35.56 | 1.400 | 38.61 | 1.520 |
| 16 | 38.10 | 1.500 | 41.15 | 1.620 |
| 17 | 40.64 | 1.600 | 43.69 | 1.720 |
| 18 | 43.18 | 1.700 | 46.23 | 1.820 |
| 19 | 45.72 | 1.800 | 48.77 | 1.920 |
| 20 | 48.26 | 1.900 | 51.31 | 2.020 |
| 21 | 50.80 | 2.000 | 53.85 | 2.120 |
| 22 | 53.34 | 2.100 | 56.39 | 2.220 |
| 23 | 55.88 | 2.200 | 58.93 | 2.320 |
| 24 | 58.42 | 2.300 | 61.47 | 2.420 |
| 25 | 60.96 | 2.400 | 64.01 | 2.520 |


2 CIRCUIT


3 CIRCUIT



RECOMMENDED PC BOARD LAYOUT
(FOR USE WITH (1.57)/.062 THICK BOARD)

NOTES:
1. HEADER MATERIAL: GLASS FILLED POLYESTER, UL 94V-0, COLOR: BLACK
   PIN MATERIAL: PHOSPHOR BRONZE
2. FINISH:
   TIN: 3.81 MICROMETERS/150 MICROINCHES MINIMUM TIN PLATE OVERALL OVER NICKEL UNDERPLATE OVERALL
   15 GOLD: 0.38 MICROMETERS/15 MICROINCHES MINIMUM GOLD PLATE IN CONTACT AREA 1.91 MICROMETERS/75 MICROINCHES MINIMUM TIN PLATE IN TAIL AREA OVER NICKEL UNDERPLATE OVERALL
   30 GOLD: 0.76 MICROMETERS/30 MICROINCHES MINIMUM GOLD PLATE IN CONTACT AREA 1.91 MICROMETERS/75 MICROINCHES MINIMUM TIN PLATE IN TAIL AREA OVER NICKEL UNDERPLATE OVERALL
3. HEADER TO BE USED WITH OPTION "G" 70400 AND 70430 SERIES SL CONNECTORS
4. REFER TO MOLEX PRODUCT SPECIFICATION PS-70541 & PS-70400
5. STANDARD PACKAGING IN TUBES PER PK-70873-0015 OR OPTIONAL PACKAGING IN BAGS PER PK-70873-0535. OPTION PACK NOT AVAILABLE FOR ALL CKT SIZES.
6. DIMENSIONS WITHOUT TOLERANCE ARE SHOWN FOR REFERENCE ONLY.
7. MEASURE POINT FOR PLATING THICKNESS
8. ALTERNATIVE RIB, MAY BE SPILT OR CONTINUOUS. EITHER OPTION DOES NOT IMPACT FUNCTION OF THE ASSEMBLY.

| REV | DESCRIPTION | EC NO: | DRWN | CHKD | APPR |
|---|---|---|---|---|---|
| A | ADD RIB NOTE 8 | UCP2010-0787 | MSIBARRA 2009/09/24 | DMORGAN 2009/10/02 | SMILLER 2009/10/05 |

QUALITY SYMBOLS: F=0, F=0, F=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .005 |
| 2 PLACES | ± 0.13 | ± .010 |
| 1 PLACE | ± 0.25 | ± --- |
| ANGULAR ±1/2° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

| | | DATE |
|---|---|---|
| DRAWN BY | AAB | 1993/05/13 |
| CHECKED BY | AAB | 1993/05/13 |
| APPROVED BY | WAZ | 1993/05/13 |

TITLE: SALES ASSY, SL RIGHT ANGLE HDR W/LATCH (2.54)/.100 CENTERS

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-70553-****
SHEET NO.: 1 OF 3
SIZE: C

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

| CIRCUIT SIZE | ENGINEERING NUMBER A-70553 | MANUFACTURE RELEASE STATUS | | | | | D REF. | E ± .010 | PLATING TYPE | CONNECTOR END PLATING TYPE | CONNECTOR END PLATING H MEAS. | | P.C. BOARD END PLATING TYPE | P.C. BOARD END PLATING K MEAS. | | SEE PACK INFORMA. DRAWING PK-70873 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-10 | -0001-0009 | R.F.M. | | | | | (3.30) .130 | (6.10) .240 | 15 GOLD | GOLD | (2.54) .100 | | TIN | (1.27) .050 | | -0015 (TUBES) |
| 11-25 | -0010-0024 | R.F.M. | | | | | | | | | | | | | | |
| 2-10 | -0036-0044 | R.F.M. | | | | | (3.30) .130 | (6.10) .240 | TIN | TIN | (2.54) .100 | | TIN | (1.27) .050 | | -0015 (TUBES) |
| 11-25 | -0045-0059 | R.F.M. | | | | | | | | | | | | | | |
| 2-10 | -0106-0114 | R.F.M. | | | | | (3.30) .130 | (6.10) .240 | 30 GOLD | GOLD | (2.54) .100 | | TIN | (1.27) .050 | | -0015 (TUBES) |
| 11-25 | -0115-0129 | R.F.M. | | | | | | | | | | | | | | |
| 2-10 | -0141-0149 | R.F.M. | | | | | (2.67) .105 | (6.10) .240 | 15 GOLD | GOLD | (2.54) .100 | | TIN | (1.27) .050 | | -0015 (TUBES) |
| 11-25 | -0150-0TIN | R.F.M. | | | | | | | | | | | | | | |
| 2-10 | | | | | | | | | | | | | | | | |
| 11-25 | | | | | | | | | | | | | | | | |

| CIRCUIT SIZE | ASSEMBLY ITEM NUMBER | ASSEMBLY ITEM NUMBER | ASSEMBLY ITEM NUMBER | ASSEMBLY ITEM NUMBER | ASSEMBLY ITEM NUMBER | ASSEMBLY ITEM NUMBER |
|---|---|---|---|---|---|---|
| 2 | 70553-0001 | 70553-0036 | 70553-0106 | 70553-0141 | | |
| 3 | 70553-0002 | 70553-0037 | 70553-0107 | 70553-0142 | | |
| 4 | 70553-0003 | 70553-0038 | 70553-0108 | 70553-0143 | | |
| 5 | 70553-0004 | 70553-0039 | 70553-0109 | 70553-0144 | | |
| 6 | 70553-0005 | 70553-0040 | 70553-0110 | 70553-0145 | | |
| 7 | 70553-0006 | 70553-0041 | 70553-0111 | 70553-0146 | | |
| 8 | 70553-0007 | 70553-0042 | 70553-0112 | 70553-0147 | | |
| 9 | 70553-0008 | 70553-0043 | 70553-0113 | 70553-0148 | | |
| 10 | 70553-0009 | 70553-0044 | 70553-0114 | 70553-0149 | | |
| 11 | 70553-0010 | 70553-0045 | 70553-0115 | 70553-0150 | | |
| 12 | 70553-0011 | 70553-0046 | 70553-0116 | 70553-0151 | | |
| 13 | 70553-0012 | 70553-0047 | 70553-0117 | 70553-0152 | | |
| 14 | 70553-0013 | 70553-0048 | 70553-0118 | 70553-0153 | | |
| 15 | 70553-0014 | 70553-0049 | 70553-0119 | 70553-0154 | | |
| 16 | 70553-0015 | 70553-0050 | 70553-0120 | 70553-0155 | | |
| 17 | 70553-0016 | 70553-0051 | 70553-0121 | 70553-0156 | | |
| 18 | 70553-0017 | 70553-0052 | 70553-0122 | 70553-0157 | | |
| 19 | 70553-0018 | 70553-0053 | 70553-0123 | 70553-0158 | | |
| 20 | 70553-0019 | 70553-0054 | 70553-0124 | 70553-0159 | | |
| 21 | 70553-0020 | 70553-0055 | 70553-0125 | 70553-0160 | | |
| 22 | 70553-0021 | 70553-0056 | 70553-0126 | 70553-0161 | | |
| 23 | 70553-0022 | 70553-0057 | 70553-0127 | 70553-0162 | | |
| 24 | 70553-0023 | 70553-0058 | 70553-0128 | 70553-0163 | | |
| 25 | 70553-0024 | 70553-0059 | 70553-0129 | 70553-0164 | | |

"X" IN COLUMN UNDER "ASSEMBLY ITEM NUMBER" HEADING DENOTES TOOLING NOT AVAILABLE

UPDATE REV LEVEL
EC NO: UCP2010-0787 2009/09/24
DRWN:MS1BARRA 2009/10/02
CHK'D:DMORGAN
APPR:SMILLER 2009/10/05
DESCRIPTION
REV
—

QUALITY SYMBOLS
F =0
F =0
F =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .005 |
| 2 PLACES | ± 0.13 | ± .010 |
| 1 PLACE | ± 0.25 | ± --- |
| ANGULAR ±1/2° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

| | | DATE |
|---|---|---|
| DRAWN BY | AAB | 1993/05/13 |
| CHECKED BY | AAB | 1993/05/13 |
| APPROVED BY | WAZ | 1993/05/13 |

TITLE: SALES ASSY, SL RIGHT ANGLE HDR W/LATCH (2.54)/.100 CENTERS

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-70553-****
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

| CIRCUIT SIZE | ENGINEERING NUMBER A-70553 | MANUFACTURE RELEASE STATUS | | | | | D REF. | E ± .010 | PLATING TYPE | CONNECTOR END PLATING TYPE | H MEAS. | | P.C. BOARD END PLATING TYPE | K MEAS. | | SEE PACK INFORMA. DRAWING PK-70873 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-10 | -5001-5009 | | | | | | (3.30) .130 | (6.10) .240 | 15 GOLD | GOLD | (2.54) .100 | | TIN | (1.27) .050 | | -0535 (BAGS) |
| | | | | | | | | | | | | | | | | |
| 2-10 | -5036-5044 | R.F.M. | | | | | (3.30) .130 | (6.10) .240 | TIN | TIN | (2.54) .100 | | TIN | (1.27) .050 | | -0535 (BAGS) |
| | | | | | | | | | | | | | | | | |
| 2-10 | -6001-6009 | R.F.M. | | | | | (3.30) .130 | (6.10) .240 | 15 GOLD | GOLD | (2.54) .100 | | TIN | (1.27) .050 | | -0015 (TUBES) |
| | | | | | | | | | | | | | | | | |
| 2-10 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

| CIRCUIT SIZE | ASSEMBLY ITEM NUMBER | | ASSEMBLY ITEM NUMBER | | ASSEMBLY ITEM NUMBER | | ASSEMBLY ITEM NUMBER | | ASSEMBLY ITEM NUMBER | | ASSEMBLY ITEM NUMBER | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | X | 70553-5001 | | 70553-5036 | | | | | | | | |
| 3 | X | 70553-5002 | X | 70553-5037 | | 70553-6002 | | | | | | |
| 4 | X | 70553-5003 | | 70553-5038 | | | | | | | | |
| 5 | X | 70553-5004 | X | 70553-5039 | | | | | | | | |
| 6 | X | 70553-5005 | X | 70553-5040 | | | | | | | | |
| 7 | X | 70553-5006 | X | 70553-5041 | | | | | | | | |
| 8 | X | 70553-5007 | X | 70553-5042 | | | | | | | | |
| 9 | X | 70553-5008 | X | 70553-5043 | | | | | | | | |
| 10 | X | 70553-5009 | X | 70553-5044 | | | | | | | | |

"X" IN COLUMN UNDER "ASSEMBLY ITEM NUMBER " HEADING DENOTES TOOLING NOT AVAILABLE

UPDATE REV LEVEL
EC NO: UCP2010-0787 2009/09/24
DRWN:MS|BARRA 2009/10/02
CH'KD:DMORGAN
APPR:SMILLER 2009/10/05
DESCRIPTION
REV
—

QUALITY SYMBOLS
E =0
E =0
E =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .005 |
| 2 PLACES | ± 0.13 | ± .010 |
| 1 PLACE | ± 0.25 | ± --- |
| ANGULAR ±1/2° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

| | | DATE |
|---|---|---|
| DRAWN BY | AAB | 1993/05/13 |
| CHECKED BY | AAB | 1993/05/13 |
| APPROVED BY | WAZ | 1993/05/13 |

TITLE: SALES ASSY, SL RIGHT ANGLE HDR W/LATCH (2.54)/.100 CENTERS

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-70553-****
SHEET NO.: 3 OF 3
SIZE: C

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