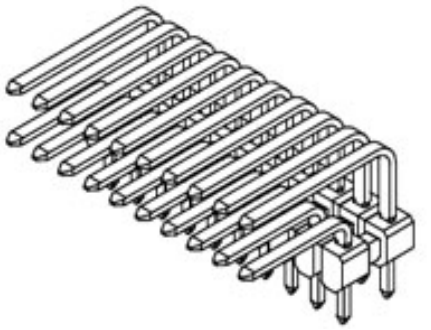
molex
one company > a world of innovation

This document was generated on 05/31/2010

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

**Part Number:** 0759001132
**Status:** Active
**Overview:** mx150_unshrouded_breakaway_header
**Description:** 3.50mm (.138") Pitch, MX150™ Dual Row Header, Breakaway, Right Angle, 6 Circuits, 1.25µm (50µ") Nickel (Ni) Overall, 2.50µm (100µ") Minimum Select Matte Tin (Sn) Plating Overall, 4.75mm (.187") PC Tail Length



*Series image - Reference only*

**Documents:**

- 3D Model
- Application Specification (PDF)
- Packaging Specification (PDF)
- Drawing (PDF)
- Product Specification PS-75757-000 (PDF)
- RoHS Certificate of Compliance (PDF)

## General

| | |
|---|---|
| Product Family | PCB Headers |
| Series | 75900 |
| Application | Wire-to-Board |
| Overview | mx150_unshrouded_breakaway_header |
| Product Name | MX150™ |

## Physical

| | |
|---|---|
| Breakaway | Yes |
| Circuits (Loaded) | 6 |
| Circuits (maximum) | 6 |
| Circuits Detail | 6 |
| Color - Resin | Black |
| Durability (mating cycles max) | 25 |
| First Mate / Last Break | No |
| Glow-Wire Compliant | No |
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Lock to Mating Part | None |
| Material - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Number of Rows | 2 |
| Orientation | Right Angle |
| PC Tail Length (in) | 0.190 In |
| PC Tail Length (mm) | 4.75 mm |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness Recommended (in) | 0.093 In |
| PCB Thickness Recommended (mm) | 2.36 mm |
| Packaging Type | Tube |
| Pitch - Mating Interface (in) | 0.138 In |
| Pitch - Mating Interface (mm) | 3.50 mm |
| Pitch - Term. Interface (in) | 0.138 In |
| Pitch - Term. Interface (mm) | 3.50 mm |
| Plating min: Mating (µin) | 50 |
| Plating min: Mating (µm) | 1.25 |
| Plating min: Termination (µin) | 100 |
| Plating min: Termination (µm) | 2.50 |
| Polarized to Mating Part | No |
| Polarized to PCB | No |
| Shrouded | No |
| Stackable | No |

**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**
75900Series

**Use With**
MX150 ™ Receptacles Dual Row Housings
33472

| | |
|---|---|
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | -40°C to +125°C |
| Termination Interface: Style | Through Hole |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 16A |
| Voltage - Maximum | 500V DC |

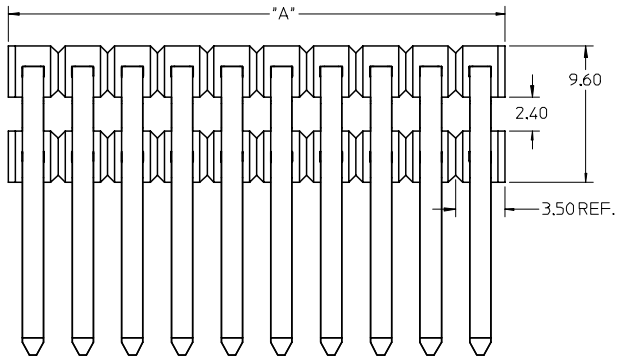
## Material Info

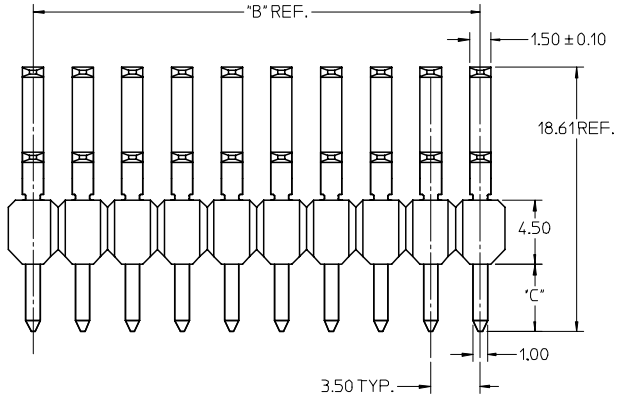
## Reference - Drawing Numbers

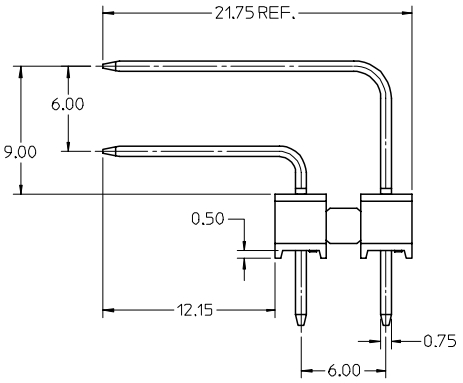
| | |
|---|---|
| Application Specification | AS-75900-203 |
| Product Specification | PS-75757-000 |
| Sales Drawing | SD-75900-001 |

This document was generated on 05/31/2010

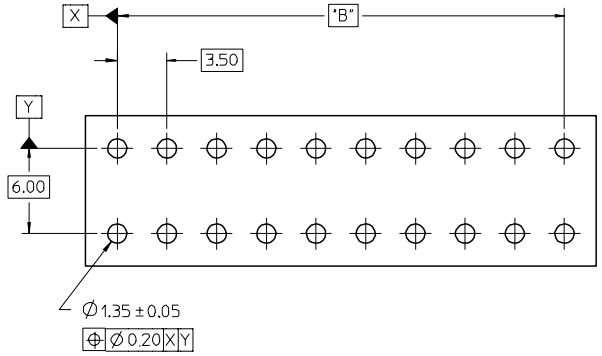
**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**




NOTES:
1. TERMINAL MAT'L: ALLOY C26000, CARTRIDGE BRASS
2. WAFER MAT'L: 30% GLASS FILLED LCP, 94V-0, COLOR BLACK.
3. TERMINAL PLATING:
   OPTION 4 - 1.5μm MIN MATTE TIN OVERALL OVER 1.25μm NICKEL OVERALL
   OPTION 1 - 2.5μm MIN MATTE TIN OVERALL OVER 1.25μm NICKEL OVERALL
   OPTION 2 - 1.25μm NICKEL OVERALL 2.5μm MIN SELECT MATTE TIN PC TAIL AREA 0.05-0.25μm SELECT GOLD CONTACT AREA
   OPTION 3 - 1.25μm NICKEL OVERALL 2.5μm MIN SELECT MATTE TIN PC TAIL AREA 0.75μm SELECT GOLD CONTACT AREA
4. HEADER ASSEMBLIES ARE TUBE PACKAGED PER PK-75900-9900.
5. COMPLIES WITH USCAR 1.5mm TERMINAL BLADE SPECIFICATION.




RECOMMEDED PCB LAYOUT

| CKT SIZE | PLATING OPTION | MATERIAL NUMBER | "A" DIM | "B" DIM | "C" DIM | MATERIAL NUMBER | "A" DIM | "B" DIM | "C" DIM |
|---|---|---|---|---|---|---|---|---|---|
| 2 x 2 | 1 | 75900-1121 | 7.0 | 3.50 REF | 3.05 | 75900-1122 | 7.0 | 3.50 REF | 4.75 |
| | 2 | 75900-1221 | | | | 75900-1222 | | | |
| | 3 | 75900-1321 | | | | 75900-1322 | | | |
| | 4 | 75900-1421 | | | | 75900-1422 | | | |
| 2 x 3 | 1 | 75900-1131 | 10.5 | 7.00 | | 75900-1132 | 10.5 | 7.00 | |
| | 2 | 75900-1231 | | | | 75900-1232 | | | |
| | 3 | 75900-1331 | | | | 75900-1332 | | | |
| | 4 | 75900-1431 | | | | 75900-1432 | | | |
| 2 x 4 | 1 | 75900-1141 | 14.0 | 10.50 | | 75900-1142 | 14.0 | 10.50 | |
| | 2 | 75900-1241 | | | | 75900-1242 | | | |
| | 3 | 75900-1341 | | | | 75900-1342 | | | |
| | 4 | 75900-1441 | | | | 75900-1442 | | | |
| 2 x 6 | 1 | 75900-1161 | 21.0 | 17.50 | | 75900-1162 | 21.0 | 17.50 | |
| | 2 | 75900-1261 | | | | 75900-1262 | | | |
| | 3 | 75900-1361 | | | | 75900-1362 | | | |
| | 4 | 75900-1461 | | | | 75900-1462 | | | |
| 2 x 8 | 1 | 75900-1181 | 28.0 | 24.50 | | 75900-1182 | 28.0 | 24.50 | |
| | 2 | 75900-1281 | | | | 75900-1282 | | | |
| | 3 | 75900-1381 | | | | 75900-1382 | | | |
| | 4 | 75900-1481 | | | | 75900-1482 | | | |
| 2 x 10 | 1 | 75900-1101 | 35.0 | 31.50 | | 75900-1102 | 35.0 | 31.50 | |
| | 2 | 75900-1201 | | | | 75900-1202 | | | |
| | 3 | 75900-1301 | | | | 75900-1302 | | | |
| | 4 | 75900-1401 | | | | 75900-1402 | | | |

PRELIM RELEASE
EC NO: UCP2006-2758 2007/01/17
DRWN: JLSWENSON 2007/01/17
CH'KD: 2007/01/18
APPR: MBANAKIS
DESCRIPTION
REV 2

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

| | | DATE |
|---|---|---|
| DRAWN BY | TMCCLELL | 1/25/06 |
| CHECKED BY | TMCCLELL | 1/25/06 |
| APPROVED BY | BANAKIS | 1/25/06 |

TITLE: MX150 RIGHT ANGLE DUAL ROW BREAK-AWAY HEADER ASSEMBLY

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75900-001
SHEET NO.: 1 OF 1
SIZE: C

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