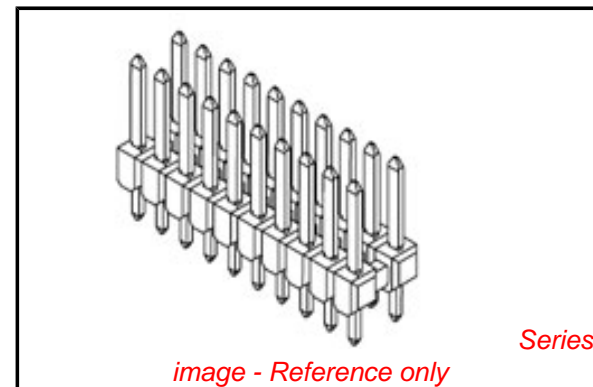


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0757575121](#)  
**Status:** **Active**  
**Overview:** [mx150 unshrouded breakaway header](#)  
**Description:** 3.50mm (.138") Pitch, MX150™ Header, Breakaway, Vertical, 4 Circuits, 2.50µm (100µ") Tin (Sn) Plating, 16.09mm (.633") Mating Pin Length, 3.05mm (.120") PC Tail Length

**Documents:**

[3D Model](#) [Product Specification PS-75757-000 \(PDF\)](#)  
[Application Specification \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)



**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers                                       |
| Series         | <a href="#">75757</a>                             |
| Application    | Wire-to-Board                                     |
| Overview       | <a href="#">mx150 unshrouded breakaway header</a> |
| Product Name   | MX150™  |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | Yes                            |
| Circuits (Loaded)              | 4                              |
| Circuits (maximum)             | 4                              |
| Circuits Detail                | 4                              |
| 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                    | Vertical                       |
| PC Tail Length (in)            | 0.120 In                       |
| PC Tail Length (mm)            | 3.05 mm                        |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness Recommended (in) | 0.062 In                       |
| PCB Thickness Recommended (mm) | 1.57 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)      | 100                            |
| Plating min: Mating (µm)       | 2.5                            |
| Plating min: Termination (µin) | 100                            |
| Plating min: Termination (µm)  | 2.5                            |
| Polarized to Mating Part       | No                             |
| Polarized to PCB               | No                             |
| Shrouded                       | No                             |
| Stackable                      | Yes                            |

**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](mailto: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**

[75757Series](#)

**Mates With**

[33471](#) Single Row MX150™ Receptacles,  
[33472](#) Dual Row MX150™ Receptacles

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

**Electrical**

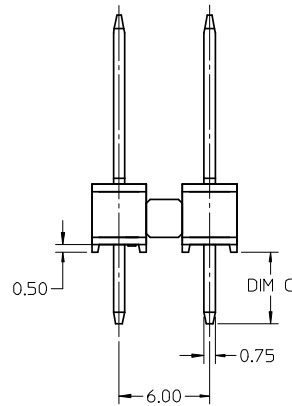
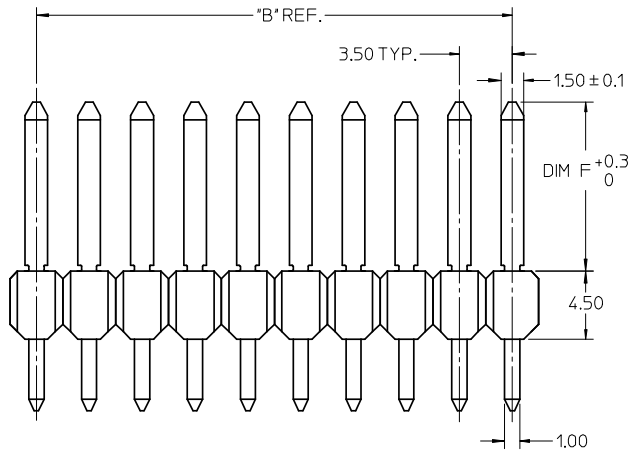
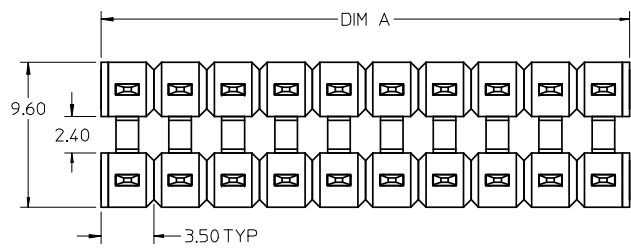
|                               |         |
|-------------------------------|---------|
| Current - Maximum per Contact | 16A     |
| Voltage - Maximum             | 500V DC |

**Material Info****Reference - Drawing Numbers**

|                           |              |
|---------------------------|--------------|
| Application Specification | AS-75757-202 |
| Packaging Specification   | PK-75757-006 |
| Product Specification     | PS-75757-000 |
| Sales Drawing             | SD-75757-002 |
| Test Summary              | TS-75757-001 |

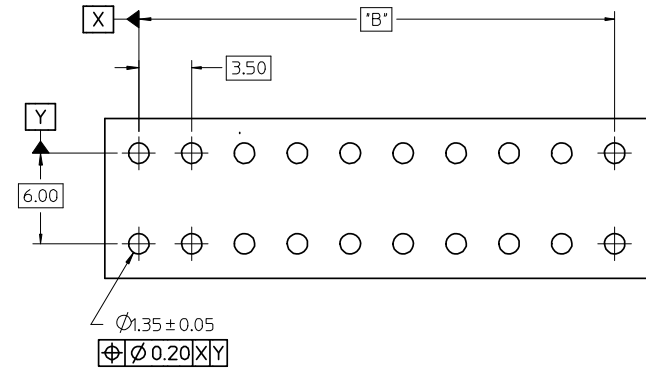
This document was generated on 05/31/2010

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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-75757-9900.
5. COMPLIES WITH USCAR 1.5mm TERMINAL BLADE SPECIFICATION.



RECOMMENDED PCB LAYOUT

|  |                               |  |  |                            |  |   |                        |  |  |
|--|-------------------------------|--|--|----------------------------|--|---|------------------------|--|--|
| REMOVED EXTRA DIM<br>EC NO: UCP2009-0126<br>DRWN: PROSCA<br>CHKD: JCOMERC<br>APPR: JCOMERC<br>2008/07/16<br>2008/07/16<br>2008/07/16 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>4:1  | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION   |  |
|  |                               |  |  | DRAWN BY<br>TMCCLELL       |  | DATE<br>1/18/05   |                        | MX150 DUAL ROW<br>BREAK-AWAY VERTICAL<br>HEADER ASSEMBLY<br>MOLEX INCORPORATED |  |
|  |                               |  |  | CHECKED BY<br>TMCCLELL     |  | DATE<br>1/18/05   |                        |  |  |
|  |                               |  |  | APPROVED BY<br>BANAKIS     |  | DATE<br>1/18/05   |                        |  |  |
|  |                               | ANGULAR ±1/2°  |  | MATERIAL NO.<br>SEE CHART  |  | DOCUMENT NO.<br>SD-75757-002  |                        | SHEET NO.<br>1 OF 2  |  |
|  |                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SIZE<br>C                  |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |  |  |

