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Part Number:

0759001242

Status:

Active

Overview:

mx150\_unshrouded\_breakaway\_header

Description:

3.50mm (.138") Pitch, MX150™ Dual Row Header, Breakaway, Right Angle, 8 Circuits, 1.25µm (50µ") Nickel (Ni) Overall, 2.50µm (100µ") Minimum Select Matte Tin (Sn) Plating on Tail, 0.05µm Minimum Select Gold (Au) Contact Area, 4.75mm (.187") PC Tail Length

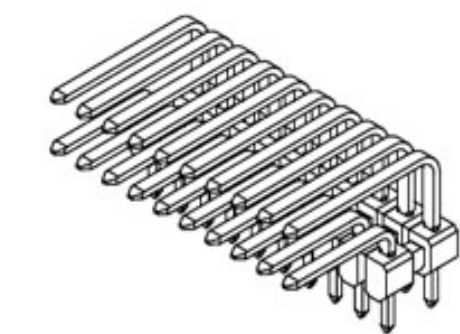


image - Reference only

Series

Documents:

- [Application Specification \(PDF\)](#)
- [3D Model](#)
- [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)              | 8                              |
| Circuits (maximum)             | 8                              |
| Circuits Detail                | 8                              |
| 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      | Gold                           |
| 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)      | 100                            |
| Plating min: Mating (µm)       | 2.50                           |
| Plating min: Termination (µin) | 50                             |
| Plating min: Termination (µm)  | 1.25                           |
| Polarized to Mating Part       | No                             |
| Polarized to PCB               | No                             |
| Shrouded                       | 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](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

75900Series

Use With

MX150™ Receptacles Dual Row Housings  
33472

|                                |                 |
|--------------------------------|-----------------|
| Stackable                      | No              |
| 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 |

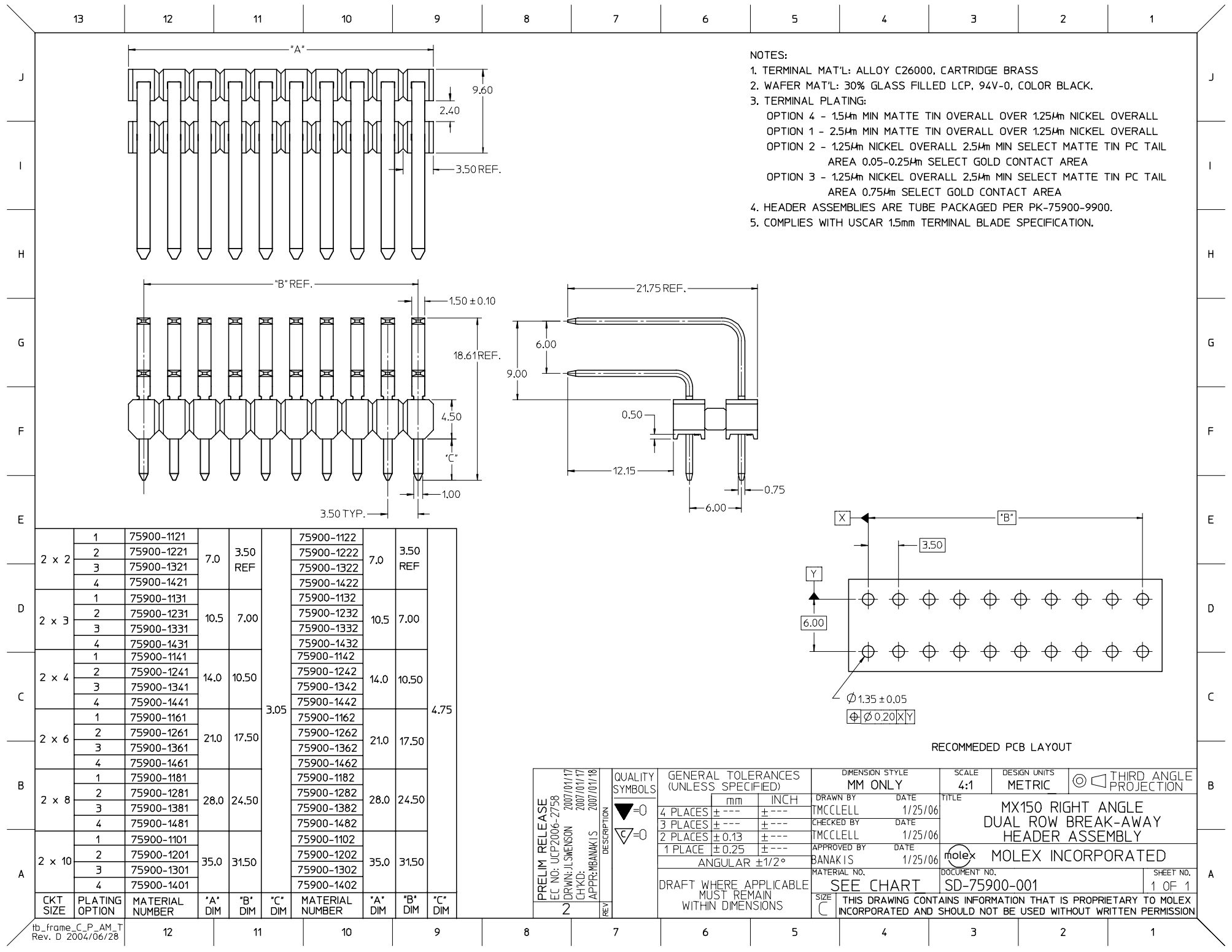
**Material Info**

**Reference - Drawing Numbers**

|                           |              |
|---------------------------|--------------|
| Application Specification | AS-75900-204 |
| Product Specification     | PS-75757-000 |
| Sales Drawing             | SD-75900-001 |

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-75900-9900.
5. COMPLIES WITH USCAR 1.5mm TERMINAL BLADE SPECIFICATION.

RECOMMENDED PCB LAYOUT

|                                                                                                                              |                                                            |                                                                                                                                                                                      |                                       |                                                                                                                               |                            |                                                                      |              |                        |                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------|--------------|------------------------|--------------------------------------------------------------------------------------------------------------|
| PRELIM RELEASE<br>EC NO: UCP2006-2758<br>DRAWN: JLSWENSON 2007/01/17<br>CHKD: 2007/01/17<br>APPR: MBANAKIS 2007/01/18<br>REV | QUALITY SYMBOLS                                            |  =0<br> =0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                                                                                               | DIMENSION STYLE<br>MM ONLY |                                                                      | SCALE<br>4:1 | DESIGN UNITS<br>METRIC |  THIRD ANGLE PROJECTION |
|                                                                                                                              |                                                            |                                                                                                                                                                                      |                                       |                                                                                                                               |                            |                                                                      |              |                        |                                                                                                              |
|                                                                                                                              | 4 PLACES                                                   | ± ---                                                                                                                                                                                | ± ---                                 | DRAWN BY<br>TMCCLELL                                                                                                          | DATE<br>1/25/06            | TITLE<br>MX150 RIGHT ANGLE<br>DUAL ROW BREAK-AWAY<br>HEADER ASSEMBLY |              |                        |                                                                                                              |
|                                                                                                                              | 3 PLACES                                                   | ± ---                                                                                                                                                                                | ± ---                                 | CHECKED BY                                                                                                                    | DATE                       |                                                                      |              |                        |                                                                                                              |
|                                                                                                                              | 2 PLACES                                                   | ± 0.13                                                                                                                                                                               | ± ---                                 | TMCCLELL                                                                                                                      | 1/25/06                    |                                                                      |              |                        |                                                                                                              |
|                                                                                                                              | 1 PLACE                                                    | ± 0.25                                                                                                                                                                               | ± ---                                 | APPROVED BY                                                                                                                   | DATE                       | MATERIAL NO.<br>BANAKIS 1/25/06                                      |              |                        |                                                                                                              |
|                                                                                                                              | ANGULAR ±1/2°                                              |                                                                                                                                                                                      |                                       |                                                                                                                               |                            |                                                                      |              |                        |                                                                                                              |
|                                                                                                                              | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                                                                      |                                       | SEE CHART                                                                                                                     |                            | DOCUMENT NO.<br>SD-75900-001                                         |              |                        | SHEET NO.<br>1 OF 1                                                                                          |
|                                                                                                                              |                                                            |                                                                                                                                                                                      |                                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            |                                                                      |              |                        |                                                                                                              |