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Part Number: [0757570421](#)
Status: **Active**
Overview: [mx150 unshrouded breakaway header](#)
Description: 3.50mm (.138") Pitch, MX150™ Header, Breakaway, Vertical, 2 Circuits, 1.25µm (50µ") Nickel (Ni) Overall, 1.50µm (60µ") Minimum Select Matte Tin (Sn) Plating Overall, 11.20mm (.440") Mating Pin Length, 3.05mm (.120") PC Tail Length

Documents:

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

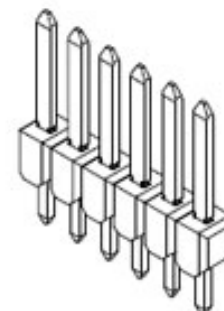


image - Reference only

Series

General

| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 75757 |
| Application | Wire-to-Board |
| Overview | mx150 unshrouded breakaway header |
| Product Name | MX150™ |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | Yes |
| Circuits (Loaded) | 2 |
| Circuits (maximum) | 2 |
| Circuits Detail | 2 |
| 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 | 1 |
| 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) | 60 |
| Plating min: Mating (µm) | 1.5 |
| Polarized to Mating Part | No |
| Polarized to PCB | No |
| Shrouded | No |
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | -40°C to +125°C |
| Termination Interface: Style | Through Hole |

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

[75757Series](#)

Mates With

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

Electrical

Current - Maximum per Contact

16A

Voltage - Maximum

500V DC

Material Info**Reference - Drawing Numbers**

Packaging Specification

PK-75757-007

Product Specification

PS-75757-000

Sales Drawing

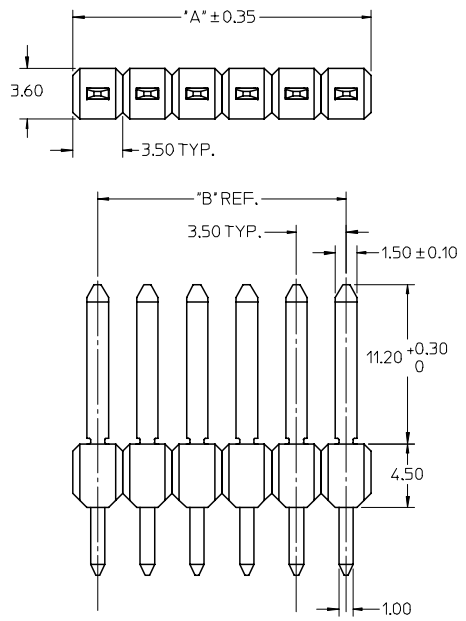
SD-75757-010

Test Summary

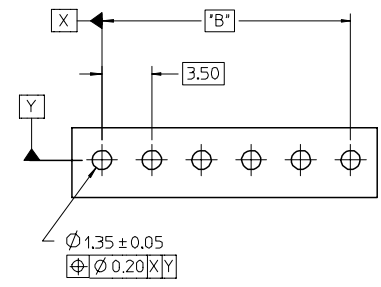
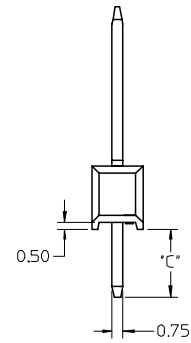
TS-75757-001

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 - 1.54µm MIN MATTE TIN OVERALL OVER 1.254µm NICKEL OVERALL
 - OPTION 1 - 2.54µm MIN MATTE TIN OVERALL OVER 1.254µm NICKEL OVERALL
 - OPTION 2 - 1.254µm NICKEL OVERALL 2.54µm MIN SELECT MATTE TIN PC TAIL AREA 0.054µm MIN SELECT GOLD CONTACT AREA
 - OPTION 3 - 1.254µm NICKEL OVERALL 2.54µm MIN SELECT MATTE TIN PC TAIL AREA 0.754µm SELECT GOLD CONTACT AREA
 4. HEADER ASSEMBLIES ARE TUBE PACKAGED PER PK-75757-9910.
 5. COMPLIES WITH USCAR 1.5mm TERMINAL BLADE SPECIFICATION.



RECOMMENDED PCB LAYOUT

| CKT SIZE | PLATING OPTION | MATERIAL NUMBER | *A* DIM | *B* DIM | *C* DIM | MATERIAL NUMBER | *A* DIM | *B* DIM | *C* DIM |
|----------|----------------|-----------------|---------|---------|---------|-----------------|---------|---------|---------|
| 1 x 2 | 1 | 75757-0121 | 7 | 3.5 | 3.05 | 75757-0122 | 7 | 3.5 | |
| | 2 | 75757-0221 | | | | 75757-0222 | | | |
| | 3 | 75757-0321 | | | | 75757-0322 | | | |
| | 4 | 75757-0421 | | | | 75757-0422 | | | |
| 1 x 3 | 1 | 75757-0131 | 10.5 | 7.00 | 3.05 | 75757-0132 | 10.5 | 7.00 | |
| | 2 | 75757-0231 | | | | 75757-0232 | | | |
| | 3 | 75757-0331 | | | | 75757-0332 | | | |
| | 4 | 75757-0431 | | | | 75757-0432 | | | |
| 1 x 4 | 1 | 75757-0141 | 14.0 | 10.50 | 3.05 | 75757-0142 | 14.0 | 10.50 | 4.75 |
| | 2 | 75757-0241 | | | | 75757-0242 | | | |
| | 3 | 75757-0341 | | | | 75757-0342 | | | |
| | 4 | 75757-0441 | | | | 75757-0442 | | | |
| 1 x 5 | 1 | 75757-0151 | 17.5 | 14.00 | 3.05 | 75757-0152 | 17.5 | 14.00 | |
| | 2 | 75757-0251 | | | | 75757-0252 | | | |
| | 3 | 75757-0351 | | | | 75757-0352 | | | |
| | 4 | 75757-0451 | | | | 75757-0452 | | | |
| 1 x 6 | 1 | 75757-0161 | 21.0 | 17.50 | 3.05 | 75757-0162 | 21.0 | 17.50 | |
| | 2 | 75757-0261 | | | | 75757-0262 | | | |
| | 3 | 75757-0361 | | | | 75757-0362 | | | |
| | 4 | 75757-0461 | | | | 75757-0462 | | | |

| | | | | | | | | | | |
|---|-----------------------------|--|------------------------------|----------------------------|-----------------|--|------------------------|------------------------|--|--|
| REMOVED 1X2 PINS EC NO: UICP2008-0959 DRAWN/DROSICA 2007/10/25 CHKD: 2007/10/25 APPR: JCOMERC.L 2007/10/25 REV | QUALITY SYMBOLS =0 =0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE 4:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | |
| | | mm | INCH | DRAWN BY TMCCLELL | DATE 1/24/06 | MX150 SINGLE ROW BREAK-AWAY VERTICAL HEADER ASSEMBLY | | | | |
| | | 4 PLACES ± --- | ± --- | CHECKED BY TMCCLELL | DATE 1/24/06 | | | | | |
| | | 3 PLACES ± --- | ± --- | APPROVED BY BANAKIS | DATE 1/24/06 | MOLEX INCORPORATED | | | | |
| 2 PLACES ± 0.13 | ± --- | MATERIAL NO. SD-75757-010 | DOCUMENT NO. SD-75757-010 | SHEET NO. 1 OF 1 | | | | | | |
| 1 PLACE ± 0.25 | ± --- | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE CHART | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | |
| ANGULAR ±1/2° | | | | | | | | | | |