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**Part Number:** [0757571281](#)  
**Status:** **Active**  
**Overview:** mx150 unshrouded breakaway header  
**Description:** 3.50mm (.138") Pitch, MX150™ Header, Breakaway, Vertical, 16 Circuits, Gold (Au) Flash Plating, 11.20mm (.441") Mating Pin Length, 3.05mm (.120") PC Tail Length

**Documents:**

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

**General**

Product Family	PCB Headers
Series	<a href="#">75757</a>
Application	Wire-to-Board
Comments	3.5 x 6.0mm (.138 x .236") dual row grid
Overview	<a href="#">mx150 unshrouded breakaway header</a>
Product Name	MX150™

**Physical**

Breakaway	Yes
Circuits (Loaded)	16
Circuits (maximum)	16
Circuits Detail	16
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	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)	2
Plating min: Mating (µm)	0.05
Plating min: Termination (µin)	160
Plating min: Termination (µm)	4
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	Yes

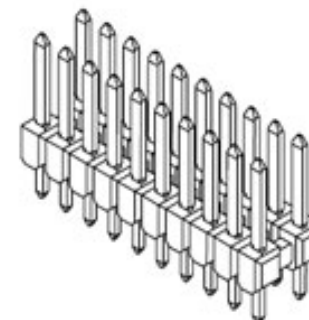


image - Reference only

Series

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**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

### **Solder Process Data**

Duration at Max. Process Temperature (seconds)	15
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

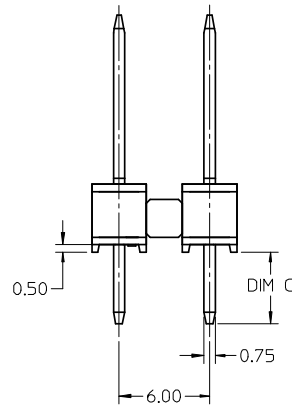
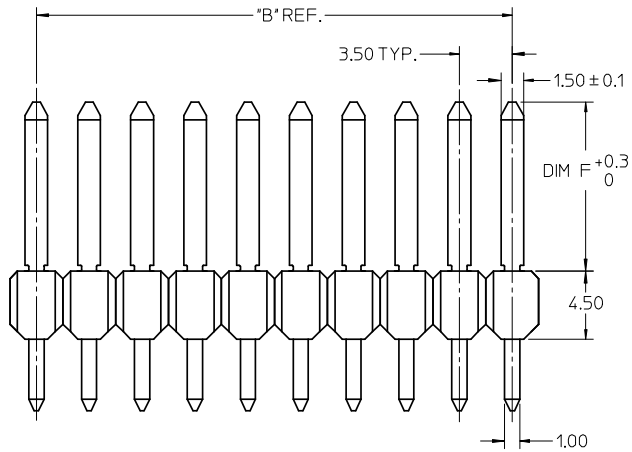
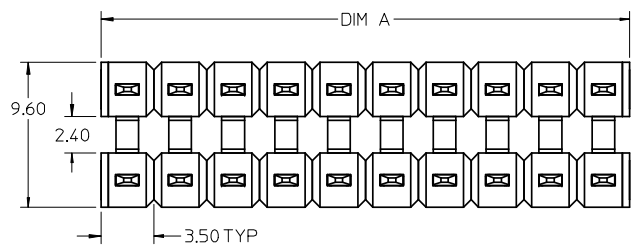
### **Material Info**

#### **Reference - Drawing Numbers**

Application Specification	AS-75757-208
Packaging Specification	PK-75757-006
Product Specification	PS-75757-000
Sales Drawing	SD-75757-002
Test Summary	TS-75757-001

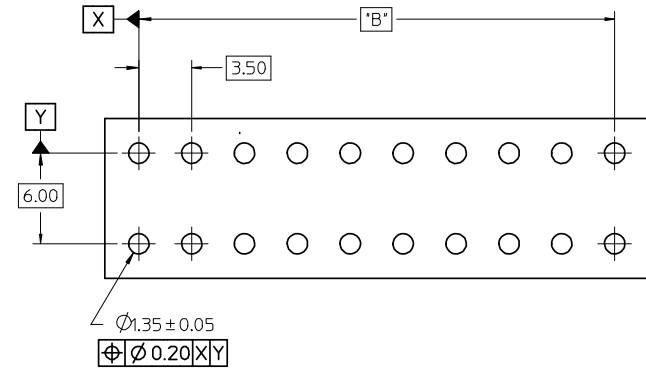
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NOTES:

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 EC NO: UCP2009-0126 DRWN: PROSCA CHKD: JCOMERCI APPR: JCOMERCI	2008/07/16 2008/07/16 2008/07/16	DESCRIPTION REV:	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION																							
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				MATERIAL NO. SD-75757-002		DOCUMENT NO. SD-75757-002																									

