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Part Number: [0757576261](#)
Status: **Active**
Overview: mx150 unshrouded breakaway header
Description: 3.50mm (.138") Pitch, MX150™ Header, Breakaway, Vertical, 12 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, 27.77mm (1.093") Mating Pin Length, 3.05m (.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	75757
Application	Wire-to-Board
Overview	mx150 unshrouded breakaway header
Product Name	MX150™

Physical

Breakaway	Yes
Circuits (Loaded)	12
Circuits (maximum)	12
Circuits Detail	12
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)	100
Plating min: Termination (µm)	2.5
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No

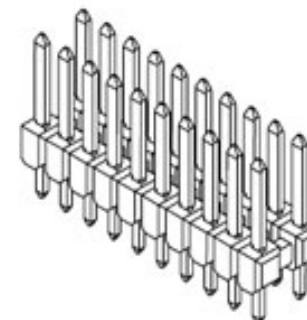


image - Reference only

Series

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

Stackable	Yes
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

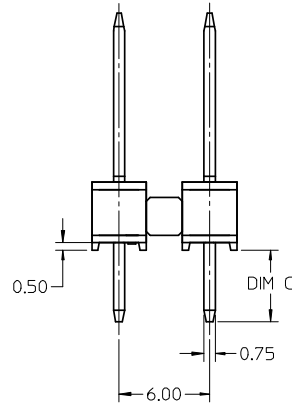
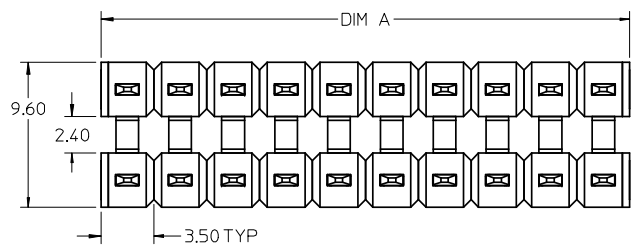
Material Info

Reference - Drawing Numbers

Application Specification	AS-75757-206
Packaging Specification	PK-75757-006
Product Specification	PS-75757-000
Sales Drawing	SD-75757-002
Test Summary	TS-75757-001

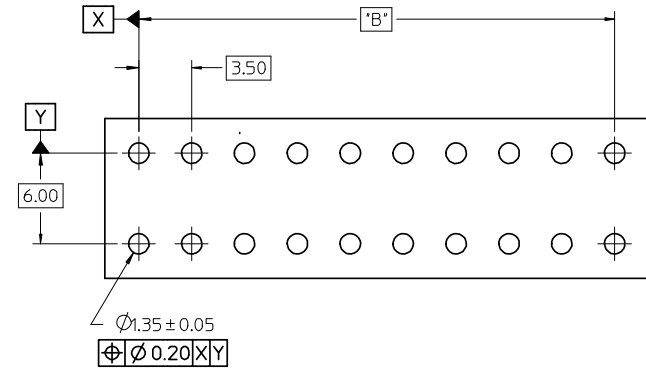
This document was generated on 05/31/2010

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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 EC NO: UCP2009-0126 DRWN: PROSCA CHKD: JCOMERCI APPR: JCOMERCI 2008/07/16 2008/07/16 2008/07/16	DESCRIPTION B	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	mm	INCH	DRAWN BY TMCCLELL	DATE 1/18/05	MX150 DUAL ROW BREAK-AWAY VERTICAL HEADER ASSEMBLY MOLEX INCORPORATED		
			2 PLACES ± 0.13 ± ---	1 PLACE ± 0.25 ± ---	ANGULAR ± 1/2°		CHECKED BY TMCCLELL	DATE 1/18/05			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		APPROVED BY BANAKIS		DATE 1/18/05	MOLEX INCORPORATED DOCUMENT NO. SD-75757-002	

13		12		11		10		9		8		7		6		5		4		3		2		1	
J	2 x 2	1	75757-6121	3.05	27.77	1	75757-5121	3.05	16.09	1	75757-1121	3.05	11.20	1	75757-1122	4.75	11.20	7.0	3.50	REF					
		2	75757-6221			2	75757-5221			2	75757-1221			2	75757-1222										
		3	75757-6321			3	75757-5321			3	75757-1321			3	75757-1322										
		4	75757-6421			4	75757-5421			4	75757-1421			4	75757-1422										
I	2 x 3	1	75757-6131	3.05	27.77	1	75757-5131	3.05	16.09	1	75757-1131	3.05	11.20	1	75757-1132	4.75	11.20	10.5	7.00						
		2	75757-6231			2	75757-5231			2	75757-1231			2	75757-1232										
		3	75757-6331			3	75757-5331			3	75757-1331			3	75757-1332										
		4	75757-6431			4	75757-5431			4	75757-1431			4	75757-1432										
I	2 x 4	1	75757-6141	3.05	27.77	1	75757-5141	3.05	16.09	1	75757-1141	3.05	11.20	1	75757-1142	4.75	11.20	14.0	10.50						
		2	75757-6241			2	75757-5241			2	75757-1241			2	75757-1242										
		3	75757-6341			3	75757-5341			3	75757-1341			3	75757-1342										
		4	75757-6441			4	75757-5441			4	75757-1441			4	75757-1442										
H	2 x 6	1	75757-6161	3.05	27.77	1	75757-5161	3.05	16.09	1	75757-1161	3.05	11.20	1	75757-1162	4.75	11.20	21.0	17.50						
		2	75757-6261			2	75757-5261			2	75757-1261			2	75757-1262										
		3	75757-6361			3	75757-5361			3	75757-1361			3	75757-1362										
		4	75757-6461			4	75757-5461			4	75757-1461			4	75757-1462										
G	2 x 8	1	75757-6181	3.05	27.77	1	75757-5181	3.05	16.09	1	75757-1181	3.05	11.20	1	75757-1182	4.75	11.20	28.0	24.50						
		2	75757-6281			2	75757-5281			2	75757-1281			2	75757-1282										
		3	75757-6381			3	75757-5381			3	75757-1381			3	75757-1382										
		4	75757-6481			4	75757-5481			4	75757-1481			4	75757-1482										
G	2 x 10	1	75757-6101	3.05	27.77	1	75757-5101	3.05	16.09	1	75757-1101	3.05	11.20	1	75757-1102	4.75	11.20	35.0	31.50						
		2	75757-6201			2	75757-5201			2	75757-1201			2	75757-1202										
		3	75757-6301			3	75757-5301			3	75757-1301			3	75757-1302										
		4	75757-6401			4	75757-5401			4	75757-1401			4	75757-1402										
F	CKT SIZE	PLATING OPTION	MATERIAL NUMBER	*C* DIM	*F* DIM	MATERIAL NUMBER	*C* DIM	*F* DIM	MATERIAL NUMBER	*C* DIM	*F* DIM	MATERIAL NUMBER	*C* DIM	*F* DIM	*A* DIM	*B* DIM									

ENTER DESCRIPTION EC NO: UCP2009-0126 DRW: DRW: ROSCA 2008/07/16 CHKD: 2008/07/16 APPR: JCOMERCI 2008/07/16	QUALITY SYMBOLS  = 0  = 0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <td></td> <td>mm</td> <td>INCH</td> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.13</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± ---</td> </tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.13	± ---	1 PLACE	± 0.25	± ---	DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE MX150 DUAL ROW BREAK-AWAY VERTICAL HEADER ASSEMBLY	 MOLEX INCORPORATED	SHEET NO. 2 OF 2
				mm	INCH																			
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CHECKED BY TMCCLELL	DATE 1/18/05																							
APPROVED BY BANAK IS	DATE 1/18/05																							
MATERIAL NO. SEE TABLE	SIZE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																							