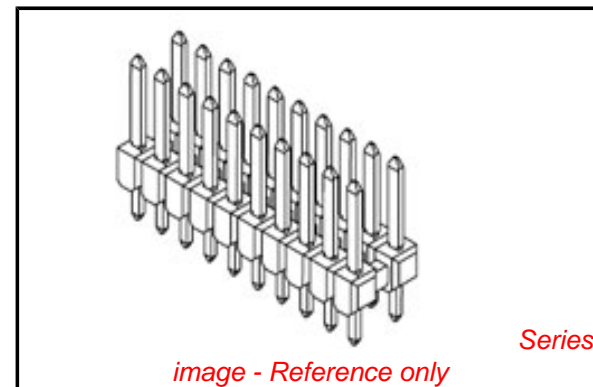


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Part Number: [0757575141](#)
Status: **Active**
Overview: [mx150 unshrouded breakaway header](#)
Description: 3.50mm (.138") Pitch, MX150™ Header, Breakaway, Vertical, 8 Circuits, 2.50µm (100µ") Tin (Sn) Plating, 16.09mm (.633") Mating Pin Length, 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	75757
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	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
 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

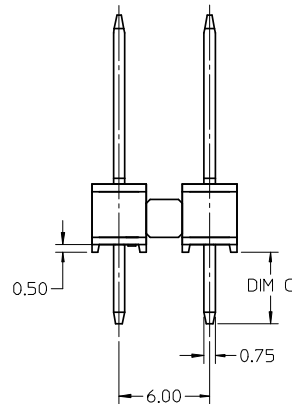
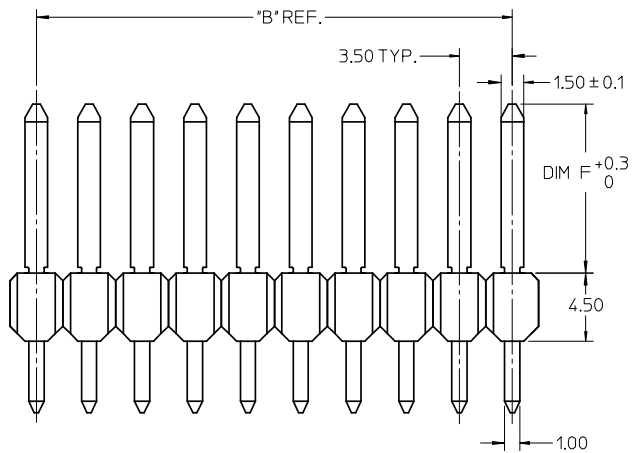
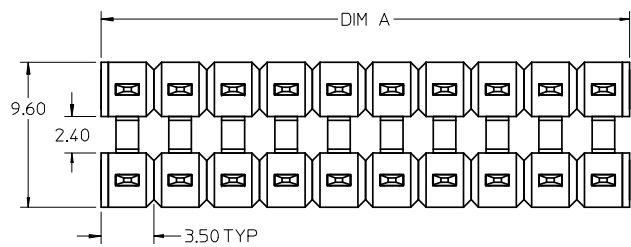
Current - Maximum per Contact	16A
Voltage - Maximum	500V DC

Material Info**Reference - Drawing Numbers**

Application Specification	AS-75757-204
Packaging Specification	PK-75757-006
Product Specification	PS-75757-000
Sales Drawing	SD-75757-002
Test Summary	TS-75757-001

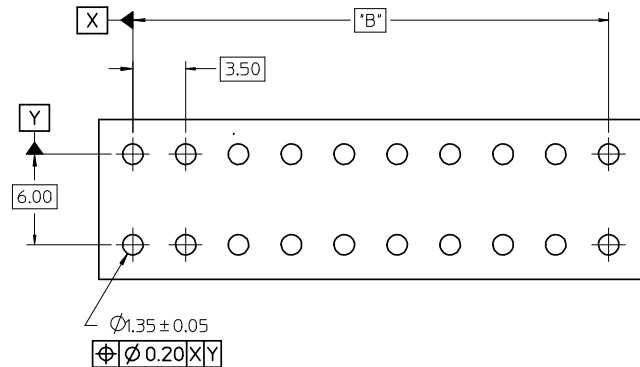
This document was generated on 05/31/2010

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NOTES:

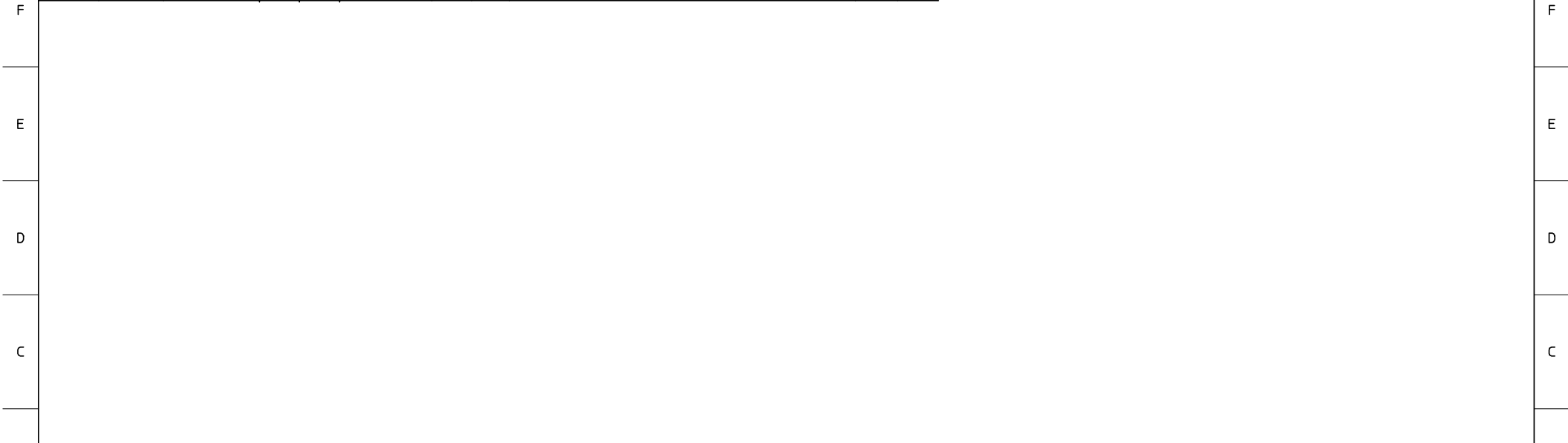
1. TERMINAL MAT'L: ALLOY C26000, CARTRIDGE BRASS
2. WAFER MAT'L: 30% GLASS FILLED LCP, 94V-0, COLOR BLACK.
3. TERMINAL PLATING:
 - OPTION 4 - 1.5µm MIN MATTE TIN OVERALL OVER 1.25µm NICKEL OVERALL
 - OPTION 1 - 2.5µm MIN MATTE TIN OVERALL OVER 1.25µm NICKEL OVERALL
 - OPTION 2 - 1.25µm NICKEL OVERALL 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 DRAWN: PROSCA 2008/07/16 CHKD: JCOMERCI 2008/07/16 APPR: JCOMERCI 2008/07/16	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
						DRAWN BY TMCCLELL		DATE 1/18/05	
						CHECKED BY TMCCLELL		DATE 1/18/05	
						APPROVED BY BANAKIS		DATE 1/18/05	
		ANGULAR ±1/2°		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-75757-002		SHEET NO. 1 OF 2	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

	13	12	11	10	9	8	7	6	5	4	3	2	1			
J	2 x 2	1	75757-6121	3.05	27.77	75757-5121	3.05	16.09	75757-1121	3.05	11.20	4.75	11.20	7.0	3.50 REF	
		2	75757-6221			75757-5221			75757-1221							
		3	75757-6321			75757-5321			75757-1321							75757-1322
		4	75757-6421			75757-5421			75757-1421							75757-1422
I	2 x 3	1	75757-6131	75757-5131	75757-1131	75757-1132										
		2	75757-6231	75757-5231	75757-1231	75757-1232										
		3	75757-6331	75757-5331	75757-1331	75757-1332										
		4	75757-6431	75757-5431	75757-1431	75757-1432										
I	2 x 4	1	75757-6141	75757-5141	75757-1141	75757-1142										
		2	75757-6241	75757-5241	75757-1241	75757-1242										
		3	75757-6341	75757-5341	75757-1341	75757-1342										
		4	75757-6441	75757-5441	75757-1441	75757-1442										
H	2 x 6	1	75757-6161	75757-5161	75757-1161	75757-1162										
		2	75757-6261	75757-5261	75757-1261	75757-1262										
		3	75757-6361	75757-5361	75757-1361	75757-1362										
		4	75757-6461	75757-5461	75757-1461	75757-1462										
G	2 x 8	1	75757-6181	75757-5181	75757-1181	75757-1182										
		2	75757-6281	75757-5281	75757-1281	75757-1282										
		3	75757-6381	75757-5381	75757-1381	75757-1382										
		4	75757-6481	75757-5481	75757-1481	75757-1482										
G	2 x 10	1	75757-6101	75757-5101	75757-1101	75757-1102										
		2	75757-6201	75757-5201	75757-1201	75757-1202										
		3	75757-6301	75757-5301	75757-1301	75757-1302										
		4	75757-6401	75757-5401	75757-1401	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 DRAWN: DRWINDRSCA 2008/07/16 CHKD: 2008/07/16 APPR: JCOMERCI 2008/07/16 REV:	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± ---	mm INCH	DRAWN BY: TMCCLELL DATE: 1/18/05 CHECKED BY: DATE:	TITLE MX150 DUAL ROW BREAK-AWAY VERTICAL HEADER ASSEMBLY			
		ANGULAR ± 1/2°		APPROVED BY: BANAK IS DATE: 1/18/05 MATERIAL NO. DOCUMENT NO.				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		MOLEX INCORPORATED		

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