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Part Number:

0757570432

Status:

Active

Overview:

mx150_unshrouded_breakaway_header

Description:

3.50mm (.138") Pitch, MX150™ Header, Breakaway, Vertical, 3 Circuits, 1.25µm (50µ") Nickel (Ni) Overall, 1.50µm (60µ") Minimum Select Matte Tin (Sn) Plating Overall, 11.20mm (.440") Mating Pin Length, 4.75mm (.187") PC Tail Length

Documents:

Drawing (PDF)

3D Model

Packaging Specification (PDF)

Application Specification (PDF)

Product Specification PS-75757-000 (PDF)

RoHS Certificate of Compliance (PDF)

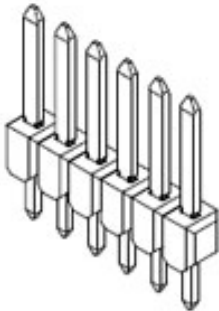


image - Reference only

Series

General

Product Family

Series

Application

Overview

Product Name

PCB Headers

75757

Wire-to-Board

mx150_unshrouded_breakaway_header

MX150™

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Circuits Detail

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Polarized to Mating Part

Polarized to PCB

Shrouded

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

Yes

3

3

3

Black

25

No

No

No

None

None

Brass

Tin

Tin

High Temperature Thermoplastic

1

Vertical

0.187 In

4.75 mm

No

None

0.093 In

3.20 mm

Tube

0.138 In

3.50 mm

0.138 In

3.50 mm

60

1.5

No

No

No

Yes

-40°C to +125°C

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

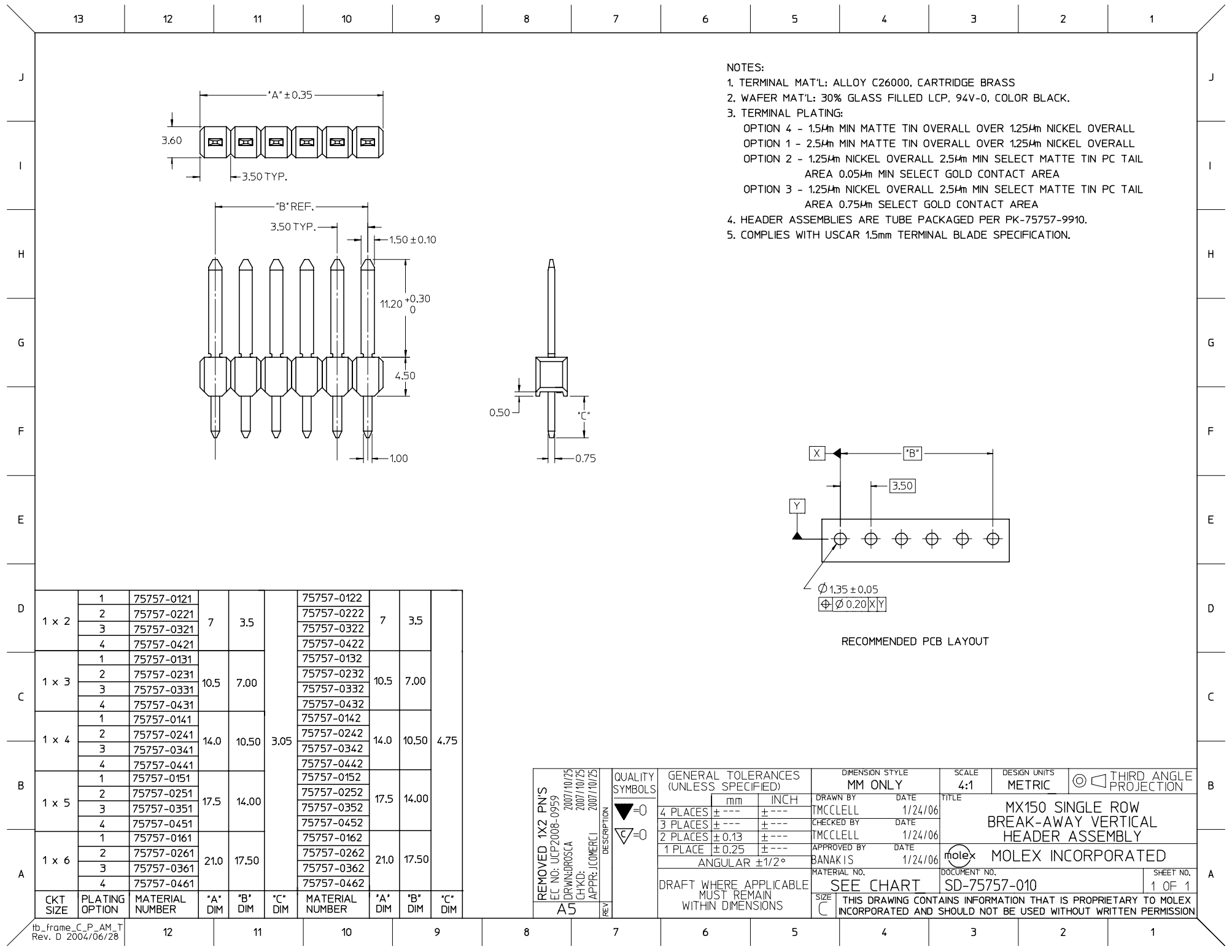
Material Info

Reference - Drawing Numbers

Application Specification	AS-75757-103
Packaging Specification	PK-75757-007
Product Specification	PS-75757-000
Sales Drawing	SD-75757-010
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 - 1.54µm 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

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

REMOVED 1X2 PINS EC NO: UCP2008-0959 DRAWN BY: DRWANDROS CHKD: 2007/10/25 APPR: JCOMERC 2007/10/25 A5	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	DATE	TITLE			
		4 PLACES	± ---	± ---	TMCCLELL	1/24/06	MX150 SINGLE ROW BREAK-AWAY VERTICAL HEADER ASSEMBLY			
		3 PLACES	± ---	± ---	CHECKED BY	DATE				
		2 PLACES	± 0.13	± ---	TMCCLELL	1/24/06	MOLEX INCORPORATED			
		1 PLACE	± 0.25	± ---	APPROVED BY	DATE				
		ANGULAR ±1/2°		BANAKIS	1/24/06	MOLEX INCORPORATED				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
				SEE CHART		SD-75757-010		1 OF 1		
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						