

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0757570251

Status:

Active

Overview:

mx150_unshrouded_breakaway_header

Description:

3.50mm (.138") Pitch, MX150™ Header, Breakaway, Vertical, 5 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, 11.20mm (.440") Mating Pin Length, 3.05m (.120") PC Tail Length

Documents:

Drawing (PDF)

3D Model

Application Specification (PDF)

Packaging Specification (PDF)

Product Specification PS-75757-000 (PDF)

RoHS Certificate of Compliance (PDF)

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

Yes

5

5

5

Black

25

No

No

No

None

None

Brass

Gold

Tin

High Temperature Thermoplastic

1

Vertical

0.120 In

3.05 mm

No

None

0.062 In

1.57 mm

Tube

0.138 In

3.50 mm

0.138 In

3.50 mm

2

0.05

No

No

No

Yes

-40°C to +125°C

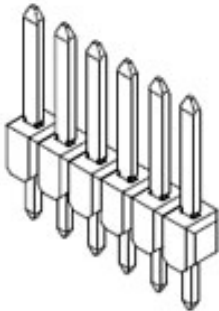


image - Reference only

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

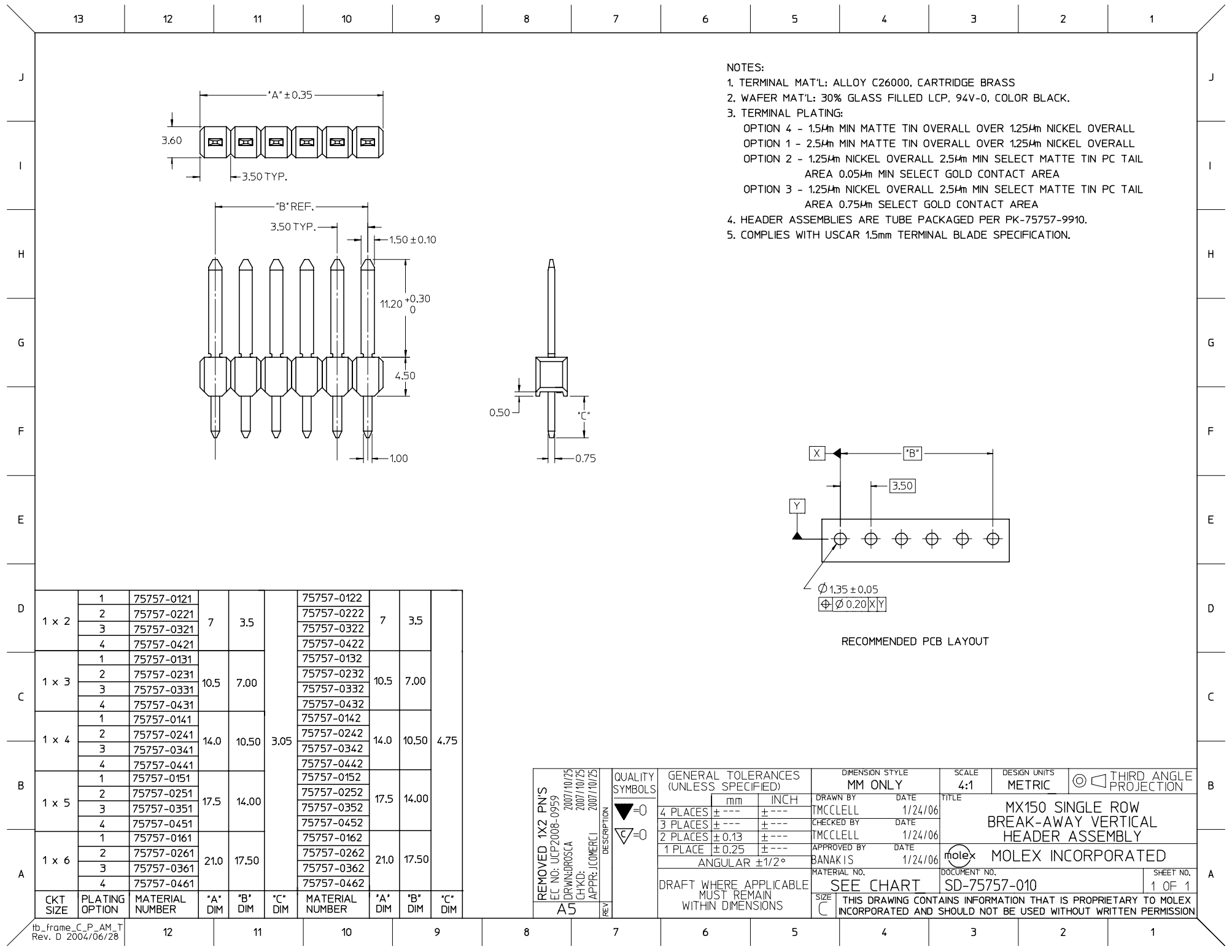
33471 Single Row MX150™ Receptacles.

33472 Dual Row MX150™ Receptacles

Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	16A
Voltage - Maximum	500V DC
Material Info	
Reference - Drawing Numbers	
Application Specification	AS-75757-105
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	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		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	*C* DIM

REMOVED 1X2 PINS EC NO: UCP2008-0959 DRAWN BY: DRW:ANDROS 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	SD-75757-010				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.						DOCUMENT NO.
				SEE CHART						
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						