

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0313874001

Status:

Active

Overview:

mx123_sealed_connection_systems

Description:

2.54mm (.100") Pitch, MX123™ Female Header, 80 Circuits Shrouded Assembly, 0.64mm (.025") Square Pins, Harness Side Key Code H, Blue



Series

image - Reference only

Documents:

- [Drawing \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)
- [Product Specification PS-34566-0000 \(PDF\)](#)

General

Product Family	PCB Headers
Series	31387
Application	Wire-to-Board
Overview	mx123_sealed_connection_systems
Product Name	MX123

Physical

Breakaway	No
Circuits (Loaded)	80
Circuits (maximum)	80
Color - Resin	Blue
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Nickel
Material - Resin	Nylon Alloy
Number of Rows	4
Orientation	Vertical
PC Tail Length (in)	0.255 In
PC Tail Length (mm)	6.50 mm
PCB Locator	No
PCB Retention	None
Packaging Type	Carton
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.50 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.50 mm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	11A
Voltage - Maximum	500V

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-31300-840
-------------------------	--------------

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
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

31387Series

Mates With

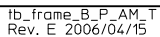
MX123™ Female Receptacle Housing
34566 , 34576

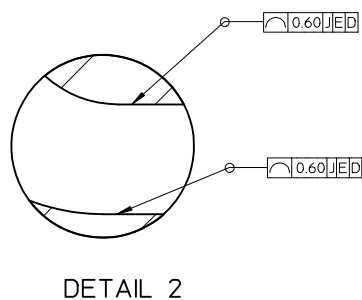
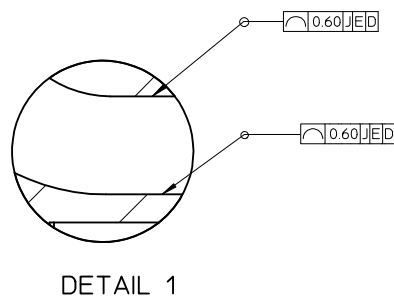
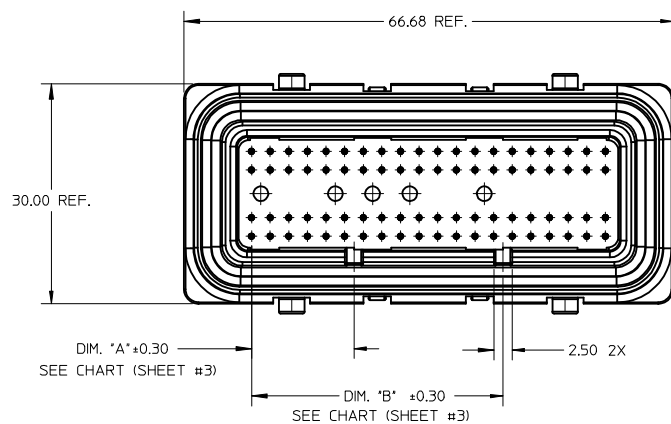
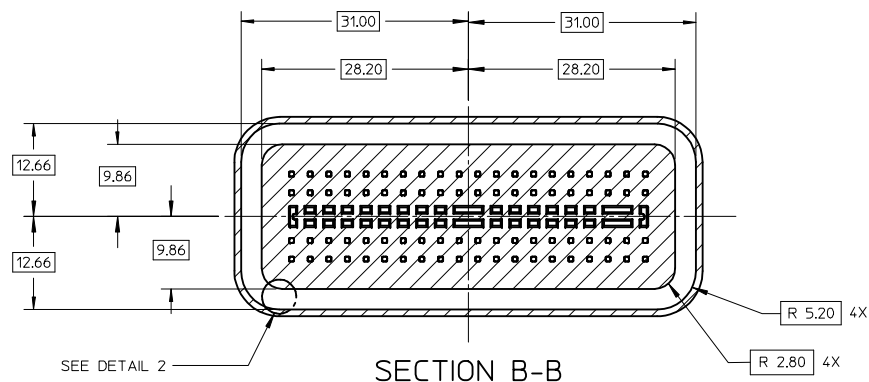
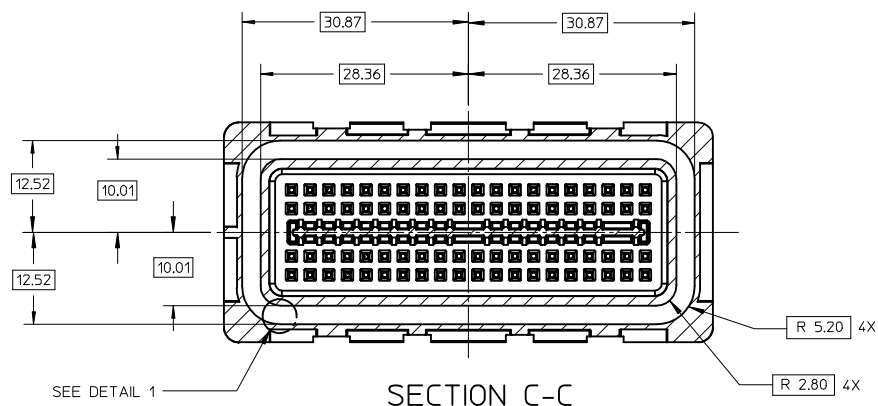
Use With

33467 MX64 Female Terminals

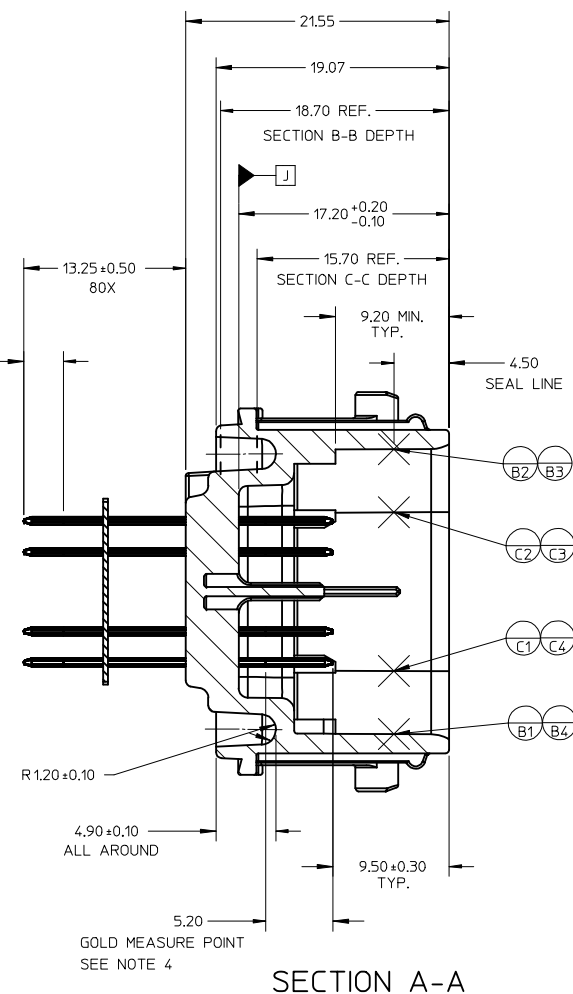
This document was generated on 05/24/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



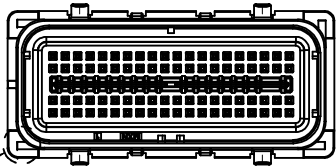


3.25
TIN MEASURE POINT
SEE NOTE 4



ENTER DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: UAU2009-1301		DRAWN BY: FJAKLIC		mm		MM ONLY		1:1		METRIC		⊙	
2009/07/22		CHECKED BY: FJAKLIC		INCH		DRAWN BY: FJAKLIC		DATE: 04/30/08		TITLE: 80 CKT SHROUD ASSEMBLY		DATE: 04/30/08	
2009/07/22		APPROVED BY: GPRATT		4 PLACES ± --- ± ---		CHECKED BY: FJAKLIC		DATE: 04/30/08		MOLEX INCORPORATED		DATE: 05/05/08	
2009/07/24				3 PLACES ± --- ± ---		APPROVED BY: GPRATT		DATE: 05/05/08		DOCUMENT NO. SD-31387-080		SHEET NO. 2 OF 3	
				2 PLACES ± 0.13 ± ---		MATERIAL NO.		SEE CHART					
				1 PLACE ± 0.25 ± ---		SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
				ANGULAR ± 1 °									
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

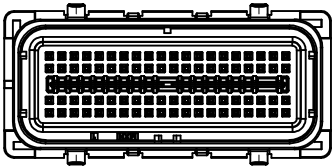
SHROUD ASSEMBLY NUMBER	COLOR	HARNESS SIDE KEY CODE	PCB SIDE KEY LOCATION		MATING HARNESS PART NUMBER
			DIM. "A" (SEE SHEET 2)	DIM. "B" (SEE SHEET 2)	
31387-4001	BLUE	G	13.97	34.29	345660703
31387-4009	GRAY	H	24.13	39.37	345660803



MATE SIDE
POLARIZATION KEY
AT CORNERS

MOLEX P/N 31387-4001
KEY OPTION 'G'
COLOR: BLUE

SEE CHART FOR PART NUMBER
OF MATING HARNESS CONNECTOR



MOLEX P/N 31387-4009
KEY OPTION 'H'
COLOR: GRAY

SEE CHART FOR PART NUMBER
OF MATING HARNESS CONNECTOR

ENTER DESCRIPTION EC NO: UAU2009-1301 DRAWN BY: DRWJDFENCL CHKD BY: JAKLIC APPR: GPRATT A			DESCRIPTION 2009/07/22 2009/07/22 2009/07/24	REV	QUALITY SYMBOLS ▽=0 C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
								DRAWN BY DATE		TITLE 80 CKT SHROUD ASSEMBLY 0.64 SQ. PINS MX123					
								CHECKED BY DATE							
								2 PLACES ±0.13 ±---		FJAKLIC 04/30/08		MOLEX MOLEX INCORPORATED			
								1 PLACE ±0.25 ±---		APPROVED BY DATE					
								ANGULAR ± 1 °		GPRATT 05/05/08		DOCUMENT NO. SD-31387-080			
										MATERIAL NO.					
								DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
										SIZE B					