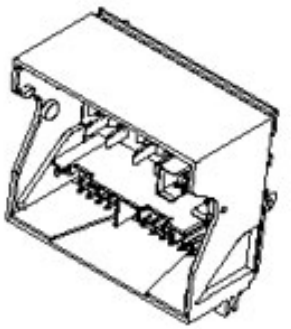
This document was generated on 05/26/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0919051015
Status: Active
Overview: junction_box_io_connectors
Description: 2.54mm (.100") Pitch Junction Box MOST, Vertical, 42 Circuits, Tin, without 10A Fuse

Documents:
3D Model
Drawing (PDF)
RoHS Certificate of Compliance (PDF)



Series image - Reference only

General

Product Family	PCB Headers
Series	91905
Application	Wire-to-Board
Overview	junction_box_io_connectors
Product Name	MOST

Physical

Breakaway	No
Circuits (Loaded)	42
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Compliant	No
Material - Plating Mating	Tin
Number of Rows	6
Orientation	Vertical
Packaging Type	Tray
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	6A
Voltage - Maximum	18V

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-91905-001
Sales Drawing	SD-91905-002

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
91905Series

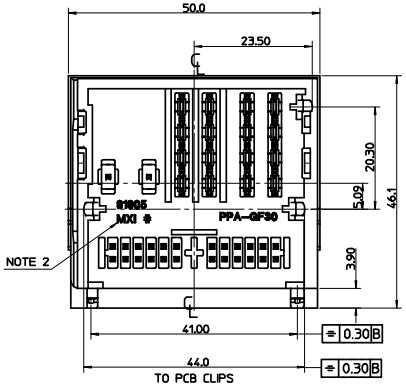
This document was generated on 05/26/2010

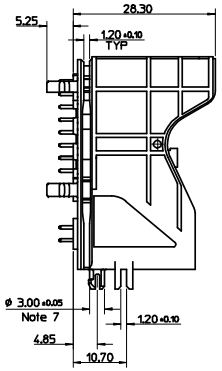
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

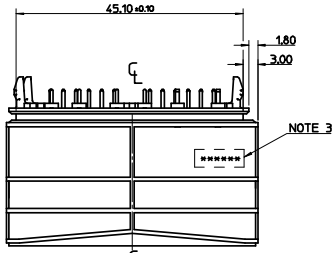
NOTES:
1) INTERNAL NUMBERING RECESSED BELOW THE SURFACE.
2) EXTERNAL MOLEX AND CUSTOMER IDENTIFICATION 0.2 PROUD OF SURFACE.
3) PART TRACABILITY MARKING IN THIS AREA. FORMAT IS:

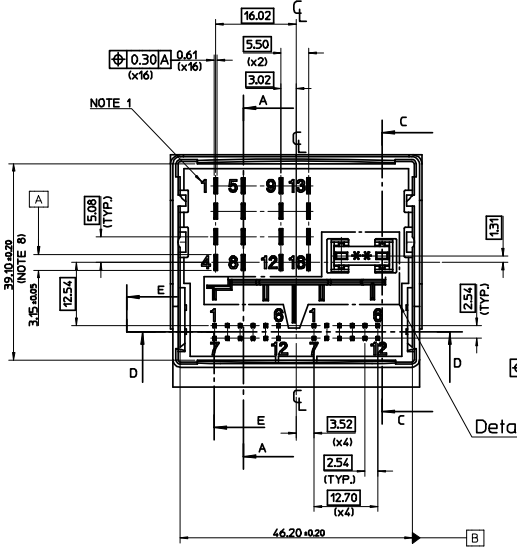
HOUR	DAY 1-7 (1=MONDAY)	WEEK	YEAR
* *	*	* *	*

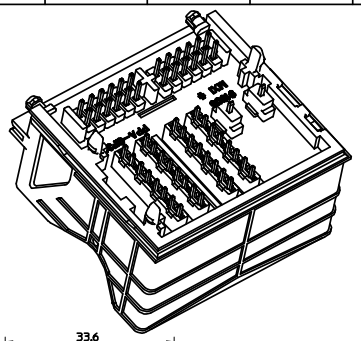
4) FOR THE PRODUCT SPECIFICATION REFER TO DOC: PS-91905-001.
5) FOR THE PACKAGING SPECIFICATION REFER TO APPLICABLE DOC: PK-91905-001.
6) PIN BARB ORIENTATION AS SHOWN.
7) CLIP TO SUIT 3.35 +/- 0.05 DIA HOLE
8) MINIMUM DIMENSION ALLOWABLE POST REFLOW = 38.70MIN.

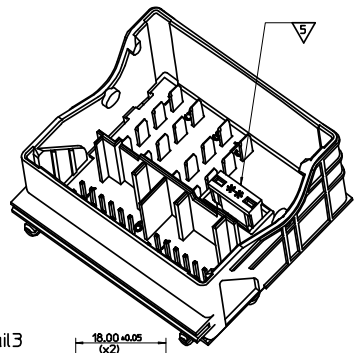


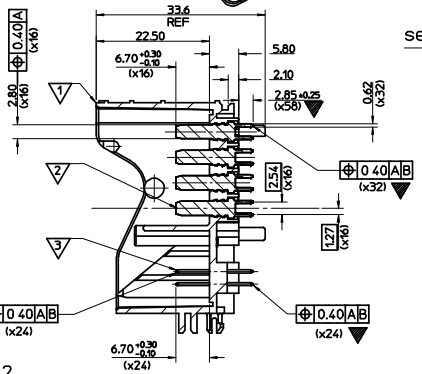


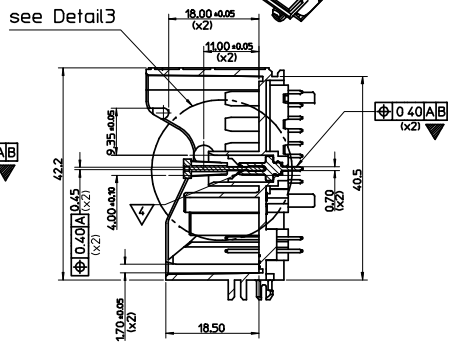


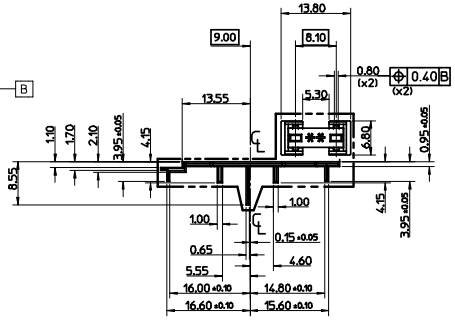


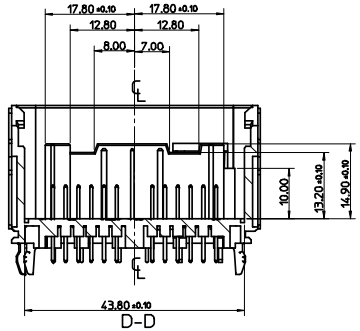


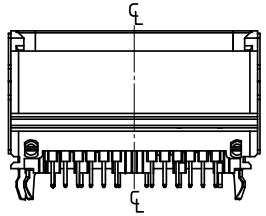


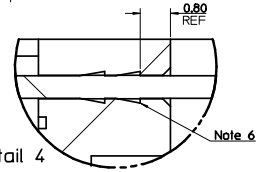


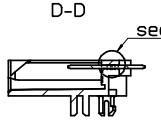


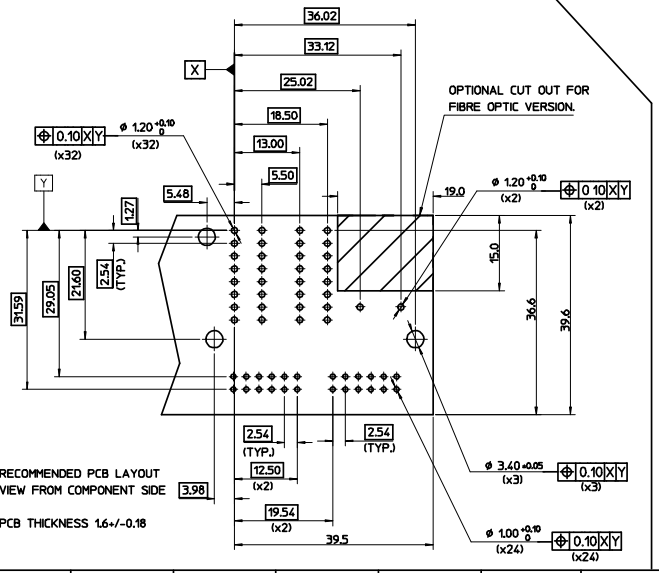


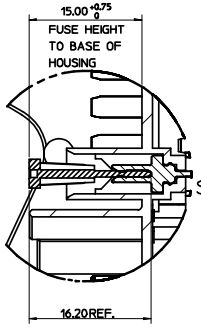












ORIGINAL RELEASE.	EC NO: E2008-0359	2008/02/01	
	DRWN:OBYRNES	2008/02/05	
	CHKD:		
	APPR: JWALLACE	2008/02/05	
REV	A		DESCRIPTION

QUALITY SYMBOLS: ▼=4, ℄=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR	± 2 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	2:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	S MCMAHON
DATE	19-07-2007
CHECKED BY	N MCNAMARA
DATE	20-07-2007
APPROVED BY	B MAGUIRE
DATE	20-07-2007
MATERIAL NO.	See Sheet 2
TITLE	J.BOX MOST STR
	MOLEX INCORPORATED
DOCUMENT NO.	SD-91905-002
SHEET NO.	1 OF 2
SIZE	A1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

			Assembly Part No: 91905-1010	Suitable for INTRUSIVE REFLOW Process
REF NO	DESCRIPTION	QTY	MADE FROM	REMARKS
1	HOUSING	1	GRIVORY(PPA), GLASS FILLED	COLOUR = BLACK
2	SPADE TERMINAL	16	0.61 REF THICK BRASS	0.001-0.003mm Bright TIN on first 5mm of Contact End 0.003-0.005mm Bright TIN on Remainder Undercoat of 0.00127-0.0022mm NICKEL Overall
3	SQUARE TERMINAL	24	0.61 REF SQUARE BRASS	
4	FUSE TERMINAL	2	0.80 REF THICK PHOSPHOR BRONZE	0.003-0.005um TIN BRIGHT OVER Undercoat of 0.00127-0.0022mm NICKEL OVERALL
5	FUSE (10A) **	1	Cu58F DIN 1787 OR EQUIVALENT	PLATED 0.004mm TIN

			Assembly Part No: 91905-1015	Suitable for INTRUSIVE REFLOW Process
REF NO	DESCRIPTION	QTY	MADE FROM	REMARKS
1	HOUSING	1	GRIVORY(PPA), GLASS FILLED	COLOUR = BLACK
2	SPADE TERMINAL	16	0.61 REF THICK BRASS	0.001-0.003mm Bright TIN on first 5mm of Contact End 0.003-0.005mm Bright TIN on Remainder Undercoat of 0.00127-0.0022mm NICKEL Overall
3	SQUARE TERMINAL	24	0.61 REF SQUARE BRASS	
4	FUSE TERMINAL	2	0.80 REF THICK PHOSPHOR BRONZE	0.003-0.005um TIN BRIGHT OVER Undercoat of 0.00127-0.0022mm NICKEL OVERALL
5	FUSE	0	Cu58F DIN 1787 OR EQUIVALENT	PLATED 0.004mm TIN

			Assembly Part No: 91905-1020	Suitable for INTRUSIVE REFLOW Process
REF NO	DESCRIPTION	QTY	MADE FROM	REMARKS
1	HOUSING	1	GRIVORY(PPA), GLASS FILLED	COLOUR = BLACK
2	SPADE TERMINAL	16	0.61 REF THICK BRASS	0.001-0.003mm Bright TIN on first 5mm of Contact End 0.003-0.005mm Bright TIN on Remainder Undercoat of 0.00127-0.0022mm NICKEL Overall
3	SQUARE TERMINAL	24	0.61 REF SQUARE BRASS	
4	FUSE TERMINAL	2	0.80 REF THICK PHOSPHOR BRONZE	0.003-0.005um TIN BRIGHT OVER Undercoat of 0.00127-0.0022mm NICKEL OVERALL
5	FUSE (15A) **	1	Cu58F DIN 1787 OR EQUIVALENT	PLATED 0.004mm TIN

NOTE: ** THE FUSE COMPONENT IS NOT CAPABLE OF GOING THROUGH THE REFLOW PROCESS. IF THE JUNCTION BOX PRODUCT IS BEING PROCEESSED THROUGH THE REFLOW OVEN THE FUSE COMPONENT IS TO BE REMOVED AND INSERTED AFTER REFLOW.

See Sheet 1
EC NO: E2008-0359 2008/02/01
DRWN:OBYRNES 2008/02/05
CHKD: 2008/02/05
APPR: JWALLACE
DESCRIPTION
A
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	S MCMAHON	19-07-2007
CHECKED BY	N MCNAMARA	20-07-2007
APPROVED BY	B MAGUIRE	20-07-2007

TITLE: J.BOX MOST STR

MOLEX INCORPORATED

MATERIAL NO.: See Sheet 2
DOCUMENT NO.: SD-91905-002
SHEET NO.: 2 OF 2
SIZE: A2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION