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Part Number: [0919051020](#)
Status: **Active**
Overview: [junction_box_io_connectors](#)
Description: 2.54mm (.100") Pitch Junction Box MOST, Vertical, 42 Circuits, Tin, 15A Fuse

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

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 |

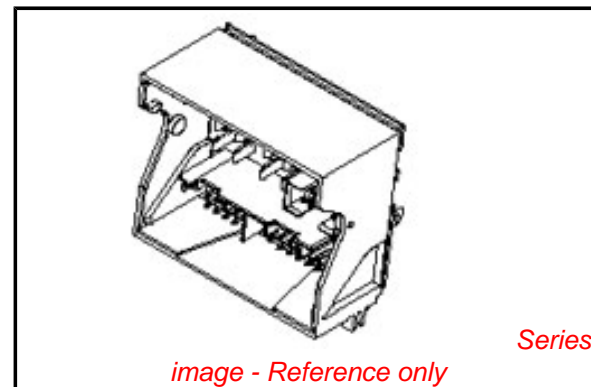


image - Reference only

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](#)

| | | | Assembly Part No: 91905-1010 | Suitable for INTRUSIVE REFLOW Process |
|--------|-----------------|-----|--------------------------------|---|
| REF NO | DESCRIPTION | QTY | MADE FROM | REMARKS |
| ▽ | HOUSING | 1 | GRIVORY(PPA), GLASS FILLED | COLOUR = BLACK |
| ▽ | 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 |
| ▽ | SQUARE TERMINAL | 24 | 0.61 REF SQUARE BRASS | |
| ▽ | FUSE TERMINAL | 2 | 0.80 REF THICK PHOSPHOR BRONZE | 0.003-0.005um TIN BRIGHT OVER Undercoat of 0.00127-0.0022mm NICKEL OVERALL |
| ▽ | 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 |
| ▽ | HOUSING | 1 | GRIVORY(PPA), GLASS FILLED | COLOUR = BLACK |
| ▽ | 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 |
| ▽ | SQUARE TERMINAL | 24 | 0.61 REF SQUARE BRASS | |
| ▽ | FUSE TERMINAL | 2 | 0.80 REF THICK PHOSPHOR BRONZE | 0.003-0.005um TIN BRIGHT OVER Undercoat of 0.00127-0.0022mm NICKEL OVERALL |
| ▽ | 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 |
| ▽ | HOUSING | 1 | GRIVORY(PPA), GLASS FILLED | COLOUR = BLACK |
| ▽ | 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 |
| ▽ | SQUARE TERMINAL | 24 | 0.61 REF SQUARE BRASS | |
| ▽ | FUSE TERMINAL | 2 | 0.80 REF THICK PHOSPHOR BRONZE | 0.003-0.005um TIN BRIGHT OVER Undercoat of 0.00127-0.0022mm NICKEL OVERALL |
| ▽ | 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 PROCESSED THROUGH THE REFLOW OVEN THE FUSE COMPONENT IS TO BE REMOVED AND INSERTED AFTER REFLOW.

| | | | | | | |
|--|-----------------|---------------------------------------|--|--------------------|---|------------------------|
| See Sheet 1 EC NO: E2008-0359 DRWN: OBYRNES 2008/02/01 CHKD: 2008/02/05 APPR: J WALLACE 2008/02/05 REV: A | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE MM ONLY | SCALE 2:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
| | ▽=0 | 4 PLACES ± --- ± --- | DRAWN BY S MCMAHON | DATE 19-07-2007 | TITLE J.BOX MOST STR | |
| | ▽=0 | 3 PLACES ± 0.15 ± --- | CHECKED BY N MCNAMARA | DATE 20-07-2007 | MOLEX INCORPORATED | |
| | | 2 PLACES ± 0.25 ± --- | APPROVED BY B MAGUIRE | DATE 20-07-2007 | MATERIAL NO. SD-91905-002 | SHEET NO. 2 OF 2 |
| | | 1 PLACE ± 0.25 ± --- | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | |