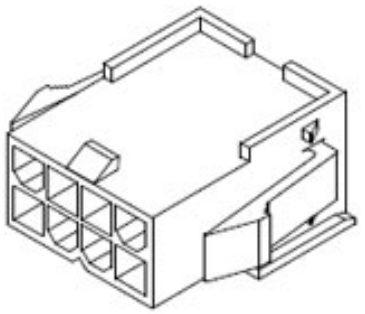
This document was generated on 04/23/2010

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** 0496230690

**Status:** Active

**Description:** 4.20mm (.165") Wire-to-Wire TPA™ Connector for Male Housing, 6 Circuits, UL94V-2, White



*Series image - Reference only*

**Documents:**

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Product Specification PS-49623-001 (PDF)

## Agency Certification

| | |
|---|---|
| UL | E29179 |

## General

| | |
|---|---|
| Product Family | Crimp Housings |
| Series | 49623 |
| Product Name | N/A |

## Physical

| | |
|---|---|
| Circuits (maximum) | 6 |
| Circuits Detail | 6 |
| Color - Resin | White |
| Flammability | 94V-2 |
| Gender | Male |
| Glow-Wire Compliant | No |
| Keying to Mating Part | None |
| Lock to Mating Part | Yes |
| Material - Resin | Nylon |
| Number of Rows | 2 |
| Packaging Type | Bag |
| Panel Mount | Yes |
| Pitch - Mating Interface (in) | 0.165 In |
| Pitch - Mating Interface (mm) | 4.20 mm |
| Polarized to Mating Part | Yes |
| Stackable | No |
| Temperature Range - Operating | -40°C to +105°C |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 6A |

## Material Info

## Reference - Drawing Numbers

| | |
|---|---|
| Product Specification | PS-49623-001 |
| Sales Drawing | SD-49623-001 |

**EU RoHS**
**ELV and RoHS Compliant**
**REACH SVHC**
**Contains SVHC: No**
**Halogen-Free Status**
**Halogen-Free**

**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.

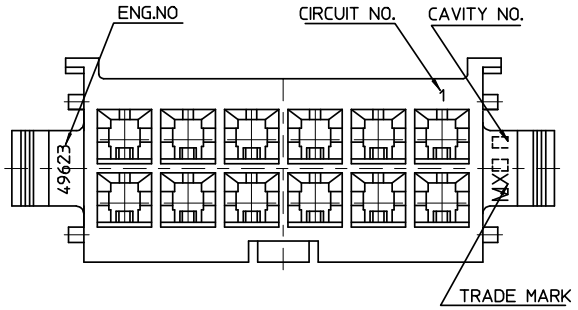
**Search Parts in this Series**
49623Series

**Mates With**
4.20mm (.165") Wire-to-Wire Female TPA™
49624 , 49625 , 49626

**Use With**
5558 Mini-Fit® Crimp Terminal

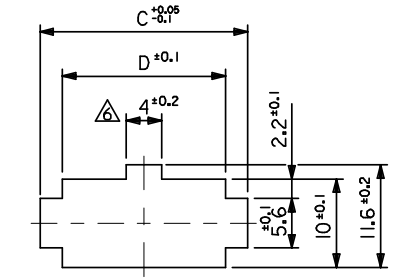
This document was generated on 04/23/2010

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

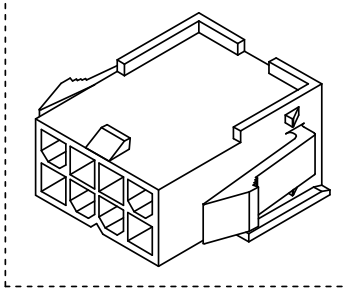


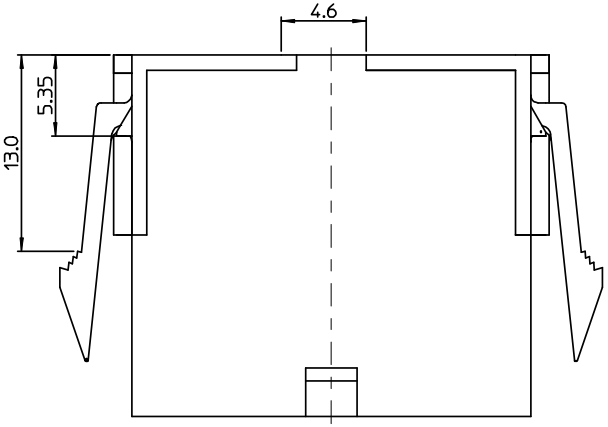

NOTES

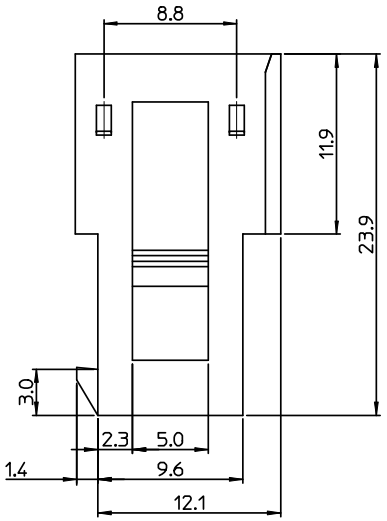
1. MATERIAL :
   -. POLYAMID(PA66), UL94V-2, COLOR OF NATURAL
   -. POLYAMID(PA66), UL94V-0, COLOR OF IVORY
2. APPLICABLE TERMINAL : SERIES 5558 T2A, 5558 T
3. MATE WITH : SERIES 49624, 49625, 49626
4. PRODUCT SPECIFICATION : PS-49623-001
5. PACKAGE SPECIFICATION : PK-49623-001
6. PANEL HOLE TO BE PUNCHED OUT IN THE SAME DIRECTION AS INSERTION INTO THE PANEL

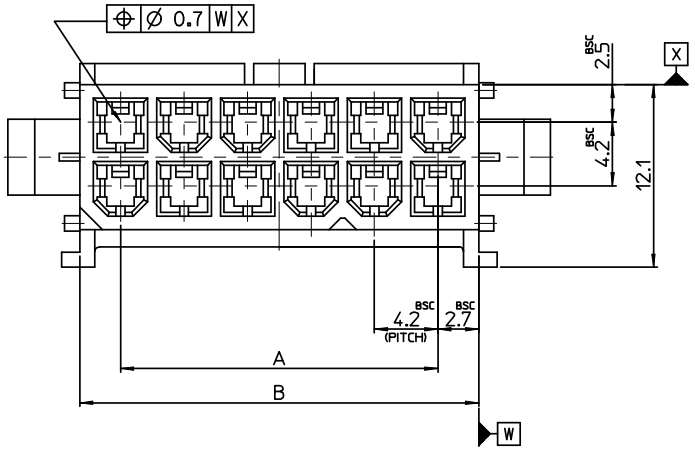


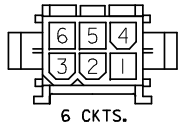

RECOMMENDED PANEL HOLE DIMENSION
(THICKNESS : 0.8-2.0mm)



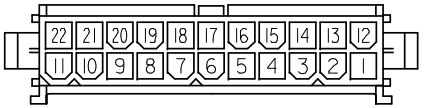


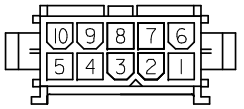



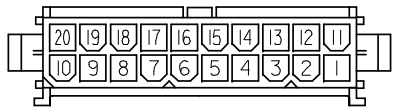
6 CKTS.



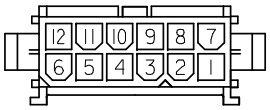
22 CKTS.



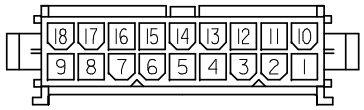
10 CKTS.



20 CKTS.



12 CKTS.



18 CKTS.

CIRCUIT SIZE LAYOUT

TABLE-1

| 49623-2295 | 496232295 | 49623-2290 | 496232290 | 22 |
|---|---|---|---|---|
| 49623-2095 | 496232095 | 49623-2090 | 496232090 | 20 |
| 49623-1895 | 496231895 | 49623-1890 | 496231890 | 18 |
| 49623-1295 | 496231295 | 49623-1290 | 496231290 | 12 |
| 49623-1095 | 496231095 | 49623-1090 | 496231090 | 10 |
| 49623-0695 | 496230695 | 49623-0690 | 496230690 | 06 |
| ENG NO. | MATERIAL NO. | ENG NO. | MATERIAL NO. | CIRCUIT SIZE |
| POLYAMID(PA66), UL94V-0 | | POLYAMID(PA66), UL94V-2 | | |

| 47.8 | 52.6 | 47.4 | 42 | 22 |
|---|---|---|---|---|
| 43.6 | 48.6 | 43.2 | 37.8 | 20 |
| 39.4 | 44.4 | 39 | 33.6 | 18 |
| 26.8 | 31.8 | 26.4 | 21 | 12 |
| 22.6 | 27.6 | 22.2 | 16.8 | 10 |
| 14.2 | 19.2 | 13.8 | 8.4 | 6 |
| D | C | B | A | CIRCUIT |

RELEASED
EC NO: KOR2008-0134 2008/02/27
DRWN:SKHAN01 2008/02/29
CHKD:WY.YANG 2008/02/29
APPR:YUNSIKKIM 2008/02/29
DESCRIPTION
REV
A

QUALITY SYMBOLS
▼=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.3 | ± --- |
| 1 PLACE | ± 0.3 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

| DRAWN BY | DATE |
|---|---|
| SK.HAN | 2008/01/28 |
| CHECKED BY | DATE |
| WY.YANG | 2008/01/28 |
| APPROVED BY | DATE |
| EH.JUNG | 2008/01/28 |

TITLE: 4.2MM W/W TPA CONN. FOR MALE HOUSING

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-49623-001
SHEET NO.: 1 OF 1

SIZE A2

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