

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0521160240

Status:

Active

Overview:

splash\_proof

Description:

2.50mm (.098") Pitch Splash Proof Wire-to-Wire Plug Housing for AVS 0.3,2 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-52117-001 (PDF)

Product Specification PS-52117-002 (PDF)

RoHS Certificate of Compliance (PDF)

|                               |                 |
|-------------------------------|-----------------|
| General                       |                 |
| Product Family                | Crimp Housings  |
| Series                        | 52116           |
| Overview                      | splash_proof    |
| Product Name                  | Splash Proof    |
| Physical                      |                 |
| Circuits (maximum)            | 2               |
| Color - Resin                 | White           |
| Gender                        | Plug            |
| Glow-Wire Compliant           | No              |
| Lock to Mating Part           | Yes             |
| Material - Resin              | Polyester       |
| Number of Rows                | 1               |
| Packaging Type                | Tray            |
| Panel Mount                   | No              |
| Pitch - Mating Interface (in) | 0.197 In        |
| Pitch - Mating Interface (mm) | 5.00 mm         |
| Stackable                     | No              |
| Temperature Range - Operating | -40°C to +105°C |

|                               |    |
|-------------------------------|----|
| Electrical                    |    |
| Current - Maximum per Contact | 3A |

Material Info

|                             |                            |
|-----------------------------|----------------------------|
| Reference - Drawing Numbers |                            |
| Packaging Specification     | SPK-52116-001              |
| Product Specification       | PS-52117-001, PS-52117-002 |
| Sales Drawing               | SD-52116-02**              |

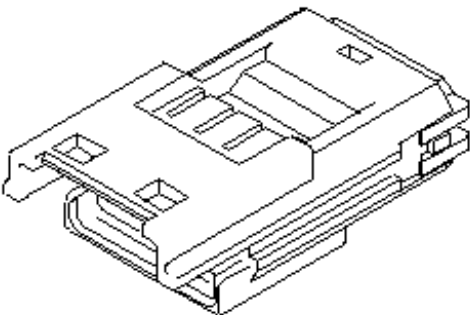


image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

China RoHS



Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto: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

52116Series

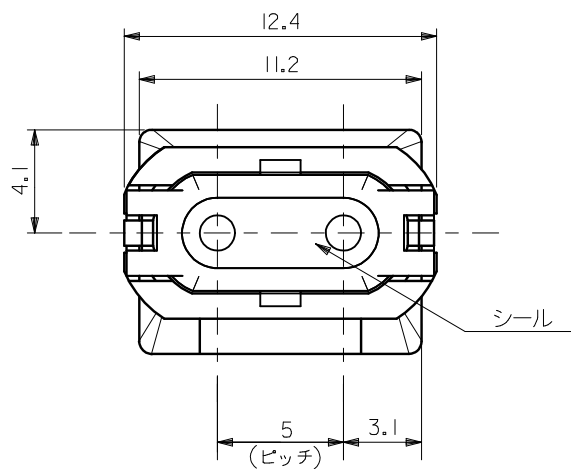
Mates With

52117

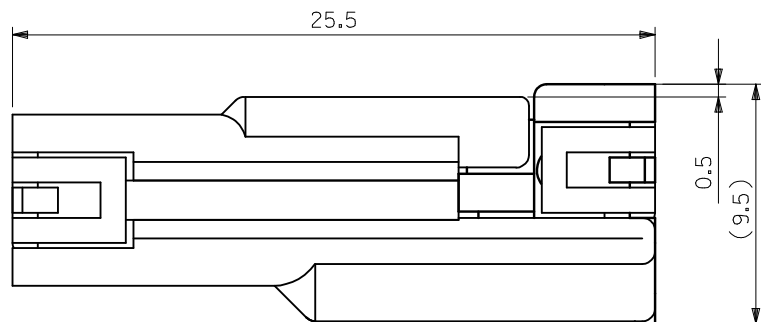
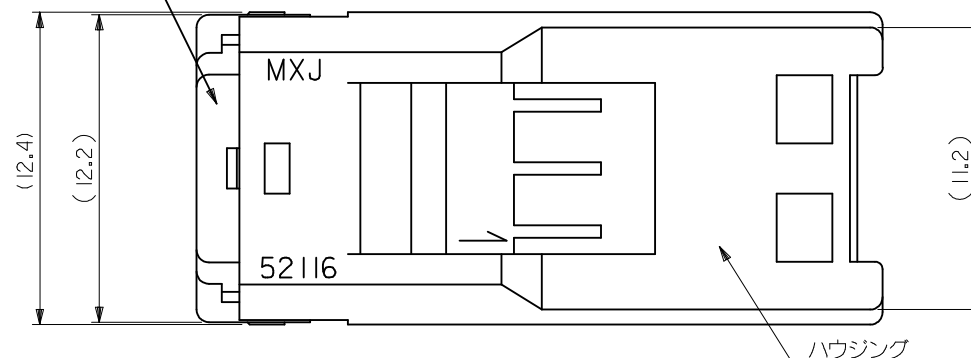
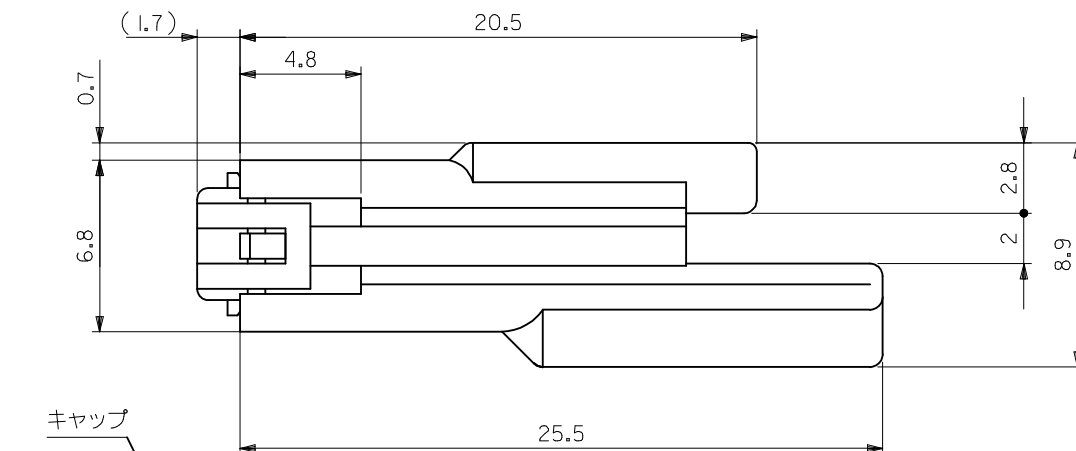
Use With

50038

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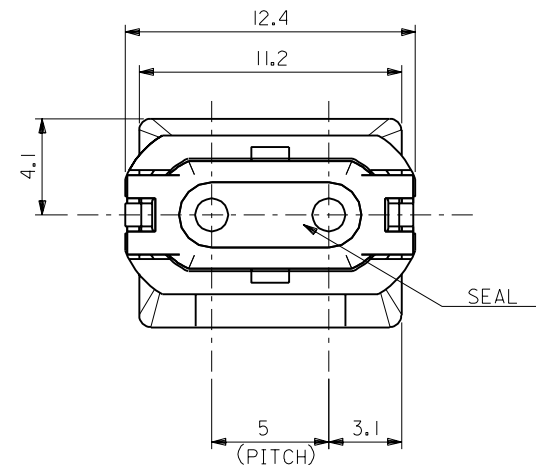
- 1.適合ターミナル:50038-8\*00  
 APPLICABLE TERMINAL:50038-8\*00  
 2.材料  
 MATERIAL  
 キャップ:ポリエステル(ガラス入り)  
 CAP:POLYESTER(GLASS FILLED)  
 ハウジング:ポリエステル(ガラス入り)  
 HOUSING:POLYESTER(GLASS FILLED)  
 シール:シリコンゴム  
 SEAL:SILICONE RUBBER  
 3.嵌合相手:52117-02\*\*  
 MATE WITH:52117-02\*\*  
 4.表の色はハウジング色を表す.  
 HOUSING COLOR IS SHOWN IN CHART  
 5.ELV及びRoHS適合品  
 ELV AND RoHS COMPLIANT



嵌合状態図  
 FULLY MATED CONDITION

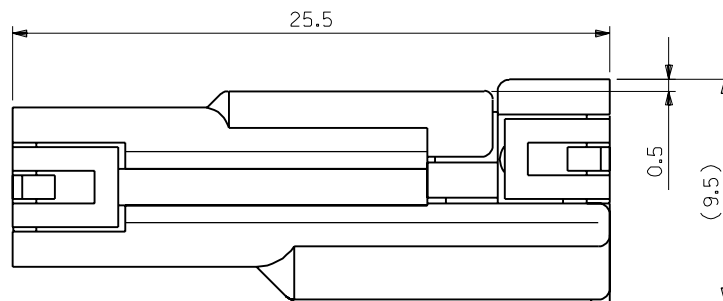
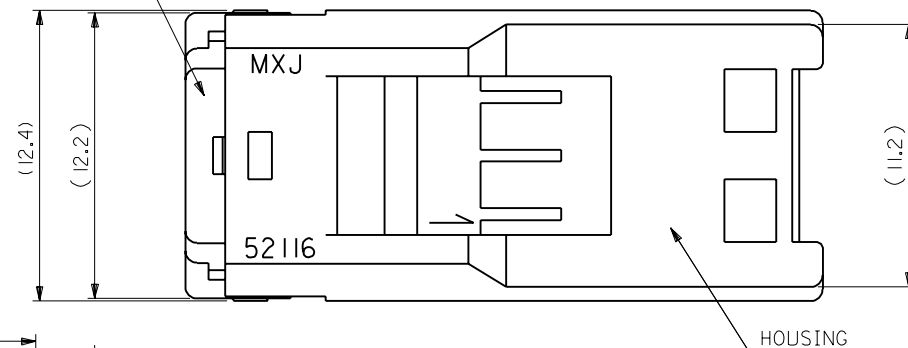
|                                 |         |            |
|---------------------------------|---------|------------|
| AVSS0.3, AWG#20-22              | 白 WHITE | 52116-0243 |
| AVS0.3, AWG#20-22               | 赤 RED   | 52116-0242 |
| AVS0.3, AWG#20-22               | 黒 BLACK | 52116-0241 |
| AVS0.3, AWG#20-22               | 白 WHITE | 52116-0240 |
| 適応電線範囲<br>APPLICABLE WIRE RANGE | 色 COLOR | ENG. NO.   |

|                                                                                                                    |                                                            |                                          |           |                            |                                                                                                                                  |                                                                         |                        |                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------|-----------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|
| REVISED<br>EC NO: JTR2009-0109<br>DRWN:MSHIBATA 2009/03/31<br>CHKD:TAITO 2009/03/31<br>APPR:AKANESHI GE 2009/04/03 | DESCRIPTION                                                | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |           | DIMENSION STYLE<br>MM ONLY |                                                                                                                                  | SCALE<br>5:1                                                            | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION |
|                                                                                                                    |                                                            | 10 UNDER                                 | ± 0.2     | DRAWN BY<br>Y. ASHIZAWA    | DATE<br>1988/7/8                                                                                                                 | TITLE<br><br>2.5 SPLASH PROOF CONN.<br>PLUG HSG ASSY<br>W/POSITIVE LOCK |                        |                                                                                                                 |
|                                                                                                                    |                                                            | 10 OVER 30 UNDER                         | ± 0.25    | CHECKED BY<br>M. SAKANO    | DATE<br>1988/7/8                                                                                                                 |                                                                         |                        |                                                                                                                 |
|                                                                                                                    |                                                            | 30 OVER                                  | ± 0.3     | APPROVED BY<br>M. ENOMOTO  | DATE<br>1988/7/8                                                                                                                 |                                                                         |                        |                                                                                                                 |
|                                                                                                                    |                                                            | ANGULAR ±3 °                             |           | MATERIAL NO.               |                                                                                                                                  |                                                                         | DOCUMENT NO.           |                                                                                                                 |
|                                                                                                                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                          | SEE CHART |                            | SD-52116-02**                                                                                                                    |                                                                         |                        |                                                                                                                 |
|                                                                                                                    | REV<br>C                                                   |                                          |           | SIZE<br>A3                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                         |                        |                                                                                                                 |

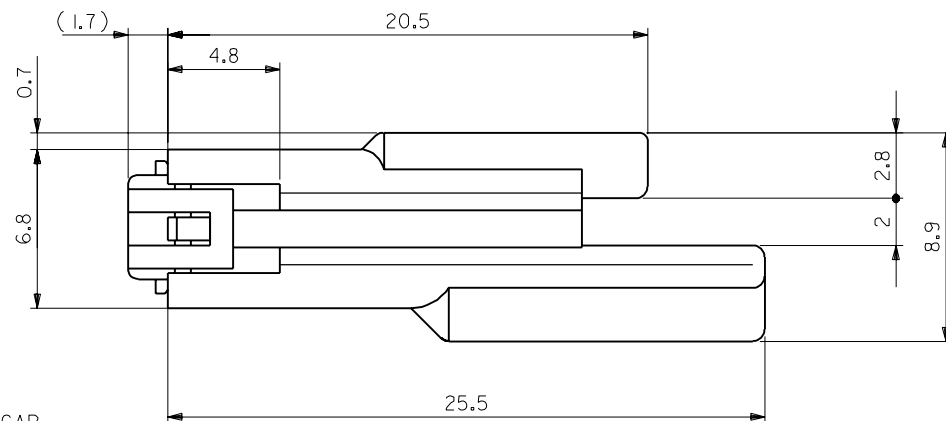


## NOTES

- 1.ACCEPTS CRIMP TERMINAL:50038-8\*00
- 2.MATE'L :  
CAP ;POLYESTER(15%G.F.)  
HOUSING;POLYESTER(15%G.F.)  
SEAL ;SILICONE
- 3.MATES WITH:52117-02\*\*
- 4.COLOR IN THE CHART INDICATES HOUSING COLOR



FULLY MATED CONDETION



|                   |       |            |
|-------------------|-------|------------|
| AVS0.3, AWG#20-22 | RED   | 52116-0242 |
| AVS0.3, AWG#20-22 | BLACK | 52116-0241 |
| AVS0.3, AWG#20-22 | WHITE | 52116-0240 |
| WIRE RANGE        | COLOR | ENG. NO.   |

|                         |       |                           |                      |                            |                    |                                                                 |  |
|-------------------------|-------|---------------------------|----------------------|----------------------------|--------------------|-----------------------------------------------------------------|--|
| 角度 ANGLE                |       | ±3°                       | 材料 MATERIAL          |                            | SEE NOTES          | molex MOLEX-JAPAN CO.,LTD.<br>日本モレックス株式会社                       |  |
| 30以上 OVER               | ±0.3  | A                         | REVISD (J9021B)      | 仕上げ FINISH                 | //                 | EDP. NO. //                                                     |  |
| 10以上 30未満 UNDER         | ±0.25 | O                         | RELEASED(J80600)     | 適用電線範囲 WIRE RANGE          | SEE CHART          | ENG. NO. SD-52116-02**                                          |  |
| 10未満 UNDER              | ±0.2  | 記号 LTR                    | 変更内容 REVISION RECORD | 被覆外径 INS. RANGE            | φ1.8-1.9           | REV A                                                           |  |
| 一般公差 GENERAL TOLERANCES |       | REVISE ONLY ON CAD SYSTEM |                      | DRAWN BY 7/8/88 Y.ASHIZAWA | CHK'D BY M.SAKANO  | TITLE 名称 2.5 SPLASH PROOF CONN. PLUG HS'G ASS'Y W/POSITIVE LOCK |  |
|                         |       |                           |                      | DR. CHK. DATE              | APP'D BY M.ENOMOTO | SCALE 5-1                                                       |  |