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Part Number:

0399800423

Status:

Active

Description:

5.08mm (.200") Pitch Beau™ Eurostyle™ Surface Mount Compatible Locking Header, 23 Circuits

Documents:

3D Model

RoHS Certificate of Compliance (PDF)

Drawing (PDF)

Agency Certification

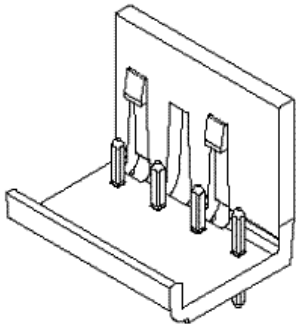
UL

E48521

|                             |                        |
|-----------------------------|------------------------|
| General                     |                        |
| Product Family              | Terminal Blocks        |
| Series                      | 39980                  |
| Application                 | Wire-to-Board          |
| Comments                    | Gold plating available |
| Component Type              | PCB Header             |
| Product Literature Order No | USA-267                |
| Product Name                | Eurostyle™ Pluggable   |
| Type                        | Euro Block             |

|                                |          |
|--------------------------------|----------|
| Physical                       |          |
| Circuits (Loaded)              | 23       |
| Color - Resin                  | Black    |
| Entry Angle                    | N/A      |
| Flammability                   | 94V-0    |
| Lock to Mating Part            | Yes      |
| Material - Plating Mating      | Tin      |
| Material - Plating Termination | Tin      |
| Material - Resin               | Nylon    |
| Number of Rows                 | 1        |
| Orientation                    | Vertical |
| PC Tail Length (in)            | 0.150 In |
| PC Tail Length (mm)            | 3.81 mm  |
| PCB Retention                  | None     |
| PCB Thickness Recommended (in) | 0.062 In |
| PCB Thickness Recommended (mm) | 1.60 mm  |
| Panel Mount                    | No       |
| Pitch - Mating Interface (in)  | 0.200 In |
| Pitch - Mating Interface (mm)  | 5.08 mm  |
| Pitch - Term. Interface (in)   | 0.200 In |
| Pitch - Term. Interface (mm)   | 5.08 mm  |
| Plating min: Mating (µin)      | 150      |
| Plating min: Mating (µm)       | 3.75     |
| Plating min: Termination (µin) | 150      |
| Plating min: Termination (µm)  | 3.75     |
| Polarized to Mating Part       | Yes      |
| Shrouded                       | No       |
| Stackable                      | No       |
| Surface Mount Compatible (SMC) | No       |
| Temperature Range - Operating  | 140°C    |
| Wire Size AWG                  | N/A      |

|                               |     |
|-------------------------------|-----|
| Electrical                    |     |
| Current - Maximum per Contact | 10A |



Series  
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](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

39980Series

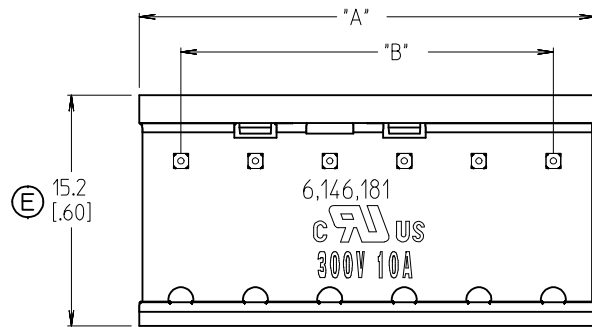
Mates With

39980-2123 Spring Clamp Plug, 39980-0323 Screw Clamp Plug

|                                    |              |
|------------------------------------|--------------|
| Voltage - Maximum                  | 300V         |
| <b>Material Info</b>               |              |
| Old Part Number                    | 981523       |
| <b>Reference - Drawing Numbers</b> |              |
| Sales Drawing                      | SD-39980-006 |

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DUAL SNAP FEATURE  
CENTERED ON PLUG

ALIGNMENT FEATURE TO  
MATCH FEATURE ON PLUG

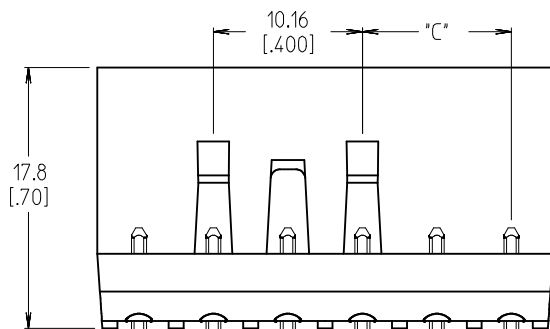
AUXILIARY VIEW  
SCALE 1:1

SINGLE SNAP FEATURE  
TO THE RIGHT OF ALIGNMENT  
FEATURE, 2 & 3 CIRCUIT PARTS

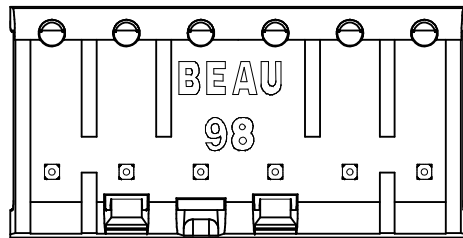
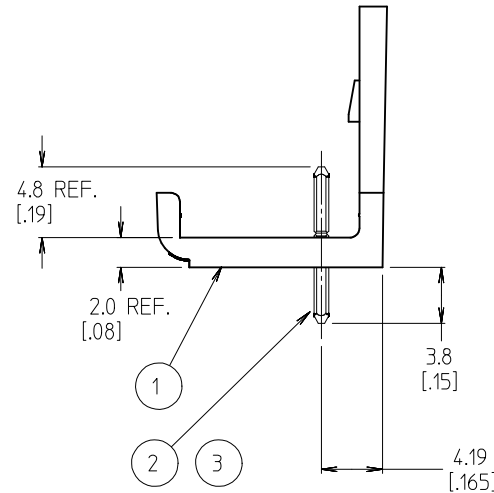
NOTES:

1. MATERIAL: SEE TABLE
2. FINISHES: SEE TABLE
3. PRODUCT SPECIFICATION: PPS.98.002
4. INCH DIMS ARE SHOWN IN BRACKETS [XXX].
5. "XX" REFERS TO QTY. OF CIRCUITS.
6. ASSEMBLY IS ROHS COMPLIANT.
7. REPLACES DWG. SD-39980-0402.

(E)



1.00 SQ.  
[.039] TYP.



| NUMBER OF<br>CIRCUITS "XX" | DIM.<br>"A"   | DIM.<br>"B"   | DIM.<br>"C" .013 | MATERIAL NO.<br>TIN (STD) | MATERIAL NO.<br>GOLD OPTION |
|----------------------------|---------------|---------------|------------------|---------------------------|-----------------------------|
| 02                         | 10.77 [424]   | 5.08 [200]    | N/A              | 39980-0402                | 39981-0402                  |
| 03                         | 15.85 [624]   | 10.16 [400]   | 5.08 [200]       | 39980-0403                | 39981-0403                  |
| 04                         | 20.93 [824]   | 15.24 [600]   | 5.08 [200]       | 39980-0404                | 39981-0404                  |
| 05                         | 26.01 [1024]  | 20.32 [800]   | 5.08 [200]       | 39980-0405                | 39981-0405                  |
| 06                         | 31.09 [1224]  | 25.40 [1000]  | 10.16 [400]      | 39980-0406                | 39981-0406                  |
| 07                         | 36.17 [1424]  | 30.48 [1200]  | 10.16 [400]      | 39980-0407                | 39981-0407                  |
| 08                         | 41.25 [1624]  | 35.56 [1400]  | 15.24 [600]      | 39980-0408                | 39981-0408                  |
| 09                         | 46.33 [1824]  | 40.64 [1600]  | 15.24 [600]      | 39980-0409                | 39981-0409                  |
| 10                         | 51.41 [2024]  | 45.72 [1800]  | 20.32 [800]      | 39980-0410                | 39981-0410                  |
| 11                         | 56.49 [2224]  | 50.80 [2000]  | 20.32 [800]      | 39980-0411                | 39981-0411                  |
| 12                         | 61.57 [2424]  | 55.88 [2200]  | 25.40 [1000]     | 39980-0412                | 39981-0412                  |
| 13                         | 66.65 [2624]  | 60.96 [2400]  | 25.40 [1000]     | 39980-0413                | 39981-0413                  |
| 14                         | 71.73 [2824]  | 66.04 [2600]  | 30.48 [1200]     | 39980-0414                | 39981-0414                  |
| 15                         | 76.81 [3024]  | 71.12 [2800]  | 30.48 [1200]     | 39980-0415                | 39981-0415                  |
| 16                         | 81.89 [3224]  | 76.20 [3000]  | 35.56 [1400]     | 39980-0416                | 39981-0416                  |
| 17                         | 86.97 [3424]  | 81.28 [3200]  | 35.56 [1400]     | 39980-0417                | 39981-0417                  |
| 18                         | 92.05 [3624]  | 86.36 [3400]  | 40.64 [1600]     | 39980-0418                | 39981-0418                  |
| 19                         | 97.13 [3824]  | 91.44 [3600]  | 40.64 [1600]     | 39980-0419                | 39981-0419                  |
| 20                         | 102.21 [4024] | 96.52 [3800]  | 45.72 [1800]     | 39980-0420                | 39981-0420                  |
| 21                         | 107.29 [4224] | 101.60 [4000] | 45.72 [1800]     | 39980-0421                | 39981-0421                  |
| 22                         | 112.37 [4424] | 106.68 [4200] | 50.80 [2000]     | 39980-0422                | 39981-0422                  |
| 23                         | 117.45 [4624] | 111.76 [4400] | 50.80 [2000]     | 39980-0423                | 39981-0423                  |
| 24                         | 122.53 [4824] | 116.84 [4600] | 55.88 [2200]     | 39980-0424                | 39981-0424                  |

|                                                                                                    |                                  |                                                                                                                                                                                                                                     |                                                                                                                                                                              |                                                                   |                                                                                                                    |                     |
|----------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------|
| WIDTH WAS .62/IS .60<br>EC NO: WNA2009-0464<br>DRAWN BY: J. KEMP<br>CHKD: R. ROSS<br>APPR: R. ROSS | QUALITY<br>SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± .005<br>2 PLACES ± 0.13 ± .01<br>1 PLACE ± 0.3 ± ---<br>ANGULAR ± 2 °<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | DIMENSION STYLE<br>MM/IN<br>DRAWN BY: J. KEMP<br>DATE: 2001/12/05<br>CHECKED BY: R. KEMP<br>DATE: 2003/10/07<br>APPROVED BY: L. ROTHBAUS<br>DATE: 2003/10/17<br>MATERIAL NO. | SCALE<br>3:1<br>DESIGN UNITS<br>INCH<br>THIRD ANGLE<br>PROJECTION | TITLE<br>5.08/200 SINGLE ROW<br>EUROSTYLE HEADER<br>ASSEMBLY<br>MOLEX INCORPORATED<br>DOCUMENT NO.<br>SD-39980-006 | SHEET NO.<br>1 OF 1 |
|                                                                                                    |                                  |                                                                                                                                                                                                                                     |                                                                                                                                                                              |                                                                   |                                                                                                                    |                     |
|                                                                                                    |                                  |                                                                                                                                                                                                                                     |                                                                                                                                                                              |                                                                   |                                                                                                                    |                     |
|                                                                                                    |                                  |                                                                                                                                                                                                                                     |                                                                                                                                                                              |                                                                   |                                                                                                                    |                     |

| ITEM | QTY. | DESCRIPTION     | MATERIAL | FINISH |
|------|------|-----------------|----------|--------|
| 3    | XX   | HEADER PIN GOLD | BRASS    | GOLD   |
| 2    | XX   | HEADER PIN      | BRASS    | TIN    |
| 1    | 1    | INSULATOR       | NYLON    | BLACK  |