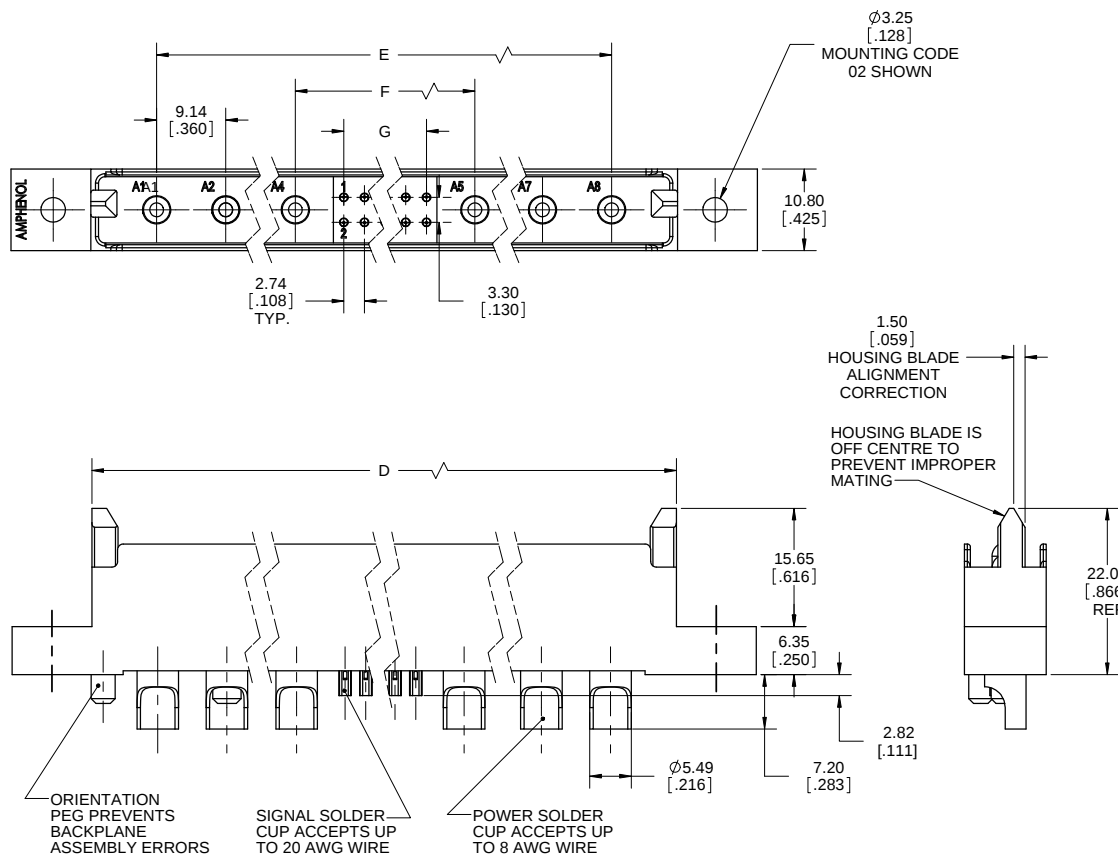


| REVISIONS |                              |          |       |
|-----------|------------------------------|----------|-------|
| REV       | DESCRIPTION, ECN, EAR NO.    | DATE     | APP'D |
| A         | PROPOSAL DRAWING             | APR11/11 | A.G   |
| B         | GUIDE PIN UPDATE (EAR14097)  | JUN19/12 | S.M.  |
| C         | REMOVE 10 PWR CONTACT OPTION | JUL12/12 | S.M.  |



#### PART NUMBER:

DWR - T X XX P - V X X X - 0X

#### SERIES

DWR

#### PRODUCT TYPE

T = SLIMDRAWER FINISHED CONNECTOR

#### NUMBER OF POWER CONTACT POSITIONS

2, 4, 6, 8 OR A = 10

#### NUMBER OF SIGNAL CONTACT POSITIONS

00, 04, 06, 08, 10 ... 40

#### GENDER

P = PIN (MALE)

#### ORIENTATION

V = VERTICAL

#### CONTACT OPTIONS

2 = POWER PIN SIZE CB8 ( $\phi 3.50\text{mm}$ )

3 = POWER PIN SIZE CB10 ( $\phi 3.00\text{mm}$ )

STD SIGNAL

#### CONTACT TERMINATION

1 = SOLDER CUP TAILS: POWER 8 AWG,

SIGNAL 20 AWG

#### PLATING OPTIONS

2 =  $0.38\mu\text{m}$  [ $15\mu$ ] GOLD

3 =  $0.76\mu\text{m}$  [ $30\mu$ ] GOLD

6 =  $5.08\mu\text{m}$  [ $200\mu$ ] SILVER POWER,

$0.38\mu\text{m}$  [ $15\mu$ ] GOLD SIGNAL

#### MOUNTING OPTION

00 = NO MOUNTING FEATURE

01 = NO MOUNTING EARS

02 =  $3.25\text{mm}$  [ $.128$ ] DIA THROUGH HOLE

04 = #4-40 THREADED HOLE

06 = M3 THREADED HOLE

08 = GUIDE PINS

#### SPECIAL CONFIGURATIONS

SPECIAL CODE DESIGNATIONS ARE RESERVED FOR SPECIAL CONFIGURATIONS. CONTACT AUTHORIZED AMPHENOL REPRESENTATIVE FOR DETAILS.

#### NOTES:

- MATERIALS: ALL MATERIALS ARE RoHS COMPLIANT PER EU DIRECTIVE 2002/95/EC AND AMENDMENTS  
- HOUSING: HIGH TEMPERATURE RESISTANT NYLON, UL FLAMMABILITY RATING 94V-0, COLOUR BLACK  
- SIGNAL CONTACTS: PHOSPHOR BRONZE PLATED WITH GOLD OVER  $1.27\mu\text{m}$  ( $50\mu$ ) NICKEL ON THE MATING AREA AND  $2.54\mu\text{m}$  ( $100\mu$ ) MATTE TIN OVER NICKEL ON THE TAILS.  
- POWER CONTACTS: COPPER ALLOY PLATED WITH GOLD OR SILVER OVER  $1.27\mu\text{m}$  ( $50\mu$ ) MIN NICKEL
- WHEN MATED WITH SOCKET CONNECTOR DWR-TXXS-VXXX-XX, THE ORDER OF MECHANICAL AND ELECTRICAL ENGAGEMENT IS A) HOUSING BLADES, B) HOUSING SHROUD, C) POWER CONTACTS AND D) SIGNAL CONTACTS.
- RATINGS SUBJECT TO DESIGN QUALIFICATION TESTING  
- CURRENT RATING: UP TO 55A POWER, 5A SIGNAL  
- INSULATION RESISTANCE: 5000 MEGAOHMS  
- DIELECTRIC WITHSTANDING VOLTAGE: 1500V DC  
- OPERATING TEMPERATURE: -55C TO +105C



THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM AMPHENOL CANADA CORP.

|                            |                        |           |          |
|----------------------------|------------------------|-----------|----------|
| UNLESS SPECIFIED OTHERWISE | DRAWN                  | S.CAELERS | APR06/11 |
| PRIMARY UNITS MILLIMETERS  | CHECKED                | A.GREEN   | APR11/11 |
| SECONDARY INCHES           | M.E. APP'D             |           |          |
| REFERENCE IN PARENTHESES   | Q.A. APP'D             |           |          |
| GENERAL TOLERANCES         | DWG APPR.              |           |          |
| 1 DECIMAL PLACE            | ENG. REL. NO.          |           |          |
| 2 DECIMAL PLACES           | REF.                   |           |          |
| 3 DECIMAL PLACES           | THIRD ANGLE PROJECTION |           |          |
| ANGULAR DEGREES            | DO NOT SCALE DRAWING   |           |          |

## Amphenol Canada Corp.

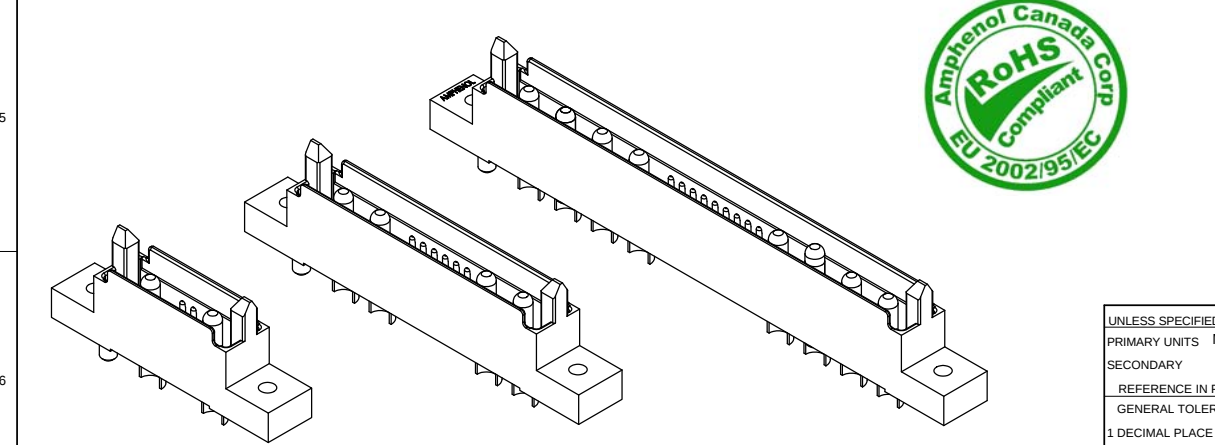
DWR SERIES SLIM DRAWER PIN CONNECTOR, PIN & SIGNAL CONTACTS, SOLDER CUP TAILS (POWER: 8 AWG, SIGNAL: 20 AWG), RoHS COMPLIANT

P-DWR-TXXXP-VX1X-0X

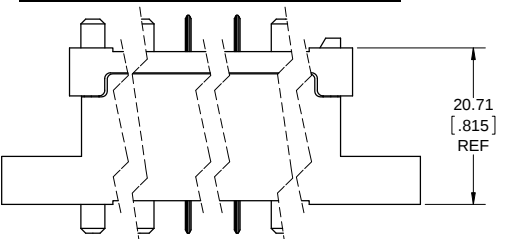
CODE ID NO. 03554 DWG SIZE: C SCALE: 2:1 SHEET 1 OF 2

|   | A                            |                                | B                               |                   | C     |                              | D     |                                 | E     |                    | F     |                              | G     |                             |       |                               |       |
|---|------------------------------|--------------------------------|---------------------------------|-------------------|-------|------------------------------|-------|---------------------------------|-------|--------------------|-------|------------------------------|-------|-----------------------------|-------|-------------------------------|-------|
|   | Pin Connector<br>Part number | Number<br>of Power<br>Contacts | Number<br>of Signal<br>Contacts | "A"               |       | "B"                          |       | "C"                             |       | "D"                |       | "E"                          |       | "F"                         |       | "G"                           |       |
|   |                              |                                |                                 | Overall<br>Length |       | Mounting Hole<br>Centrelines |       | Length Without<br>Mounting Ears |       | Pin Body<br>Length |       | Outside Power<br>Centrelines |       | Inside Power<br>Centrelines |       | Outside Signal<br>Centrelines |       |
|   |                              |                                | mm                              | inch              | mm    | inch                         | mm    | inch                            | mm    | inch               | mm    | inch                         | mm    | inch                        | mm    | inch                          |       |
| 1 | DWR-T200P-VXXX-XX            | 2                              | 0                               | 47.70             | 1.878 | 36.53                        | 1.438 | 29.75                           | 1.171 | 26.57              | 1.046 | 9.14                         | 0.360 | 9.14                        | 0.360 | ---                           | --    |
|   | DWR-T204P-VXXX-XX            | 2                              | 4                               | 54.10             | 2.130 | 42.93                        | 1.690 | 36.15                           | 1.423 | 32.97              | 1.298 | 15.54                        | 0.612 | 15.54                       | 0.612 | 2.74                          | 0.108 |
|   | DWR-T208P-VXXX-XX            | 2                              | 8                               | 59.59             | 2.346 | 48.41                        | 1.906 | 41.63                           | 1.639 | 38.46              | 1.514 | 21.03                        | 0.828 | 21.03                       | 0.828 | 8.23                          | 0.324 |
|   | DWR-T212P-VXXX-XX            | 2                              | 12                              | 65.07             | 2.562 | 53.90                        | 2.122 | 47.12                           | 1.855 | 43.94              | 1.730 | 26.52                        | 1.044 | 26.52                       | 1.044 | 13.72                         | 0.540 |
|   | DWR-T216P-VXXX-XX            | 2                              | 16                              | 70.56             | 2.778 | 59.39                        | 2.338 | 52.61                           | 2.071 | 49.43              | 1.946 | 32.00                        | 1.260 | 32.00                       | 1.260 | 19.20                         | 0.756 |
|   | DWR-T220P-VXXX-XX            | 2                              | 20                              | 76.05             | 2.994 | 64.87                        | 2.554 | 58.09                           | 2.287 | 54.91              | 2.162 | 37.49                        | 1.476 | 37.49                       | 1.476 | 24.69                         | 0.972 |
|   | DWR-T224P-VXXX-XX            | 2                              | 24                              | 81.53             | 3.210 | 70.36                        | 2.770 | 63.58                           | 2.503 | 60.40              | 2.378 | 42.98                        | 1.692 | 42.98                       | 1.692 | 30.18                         | 1.188 |
|   | DWR-T228P-VXXX-XX            | 2                              | 28                              | 87.02             | 3.426 | 75.84                        | 2.986 | 69.06                           | 2.719 | 65.89              | 2.594 | 48.46                        | 1.908 | 48.46                       | 1.908 | 35.66                         | 1.404 |
| 2 | DWR-T232P-VXXX-XX            | 2                              | 32                              | 92.51             | 3.642 | 81.33                        | 3.202 | 74.55                           | 2.935 | 71.37              | 2.810 | 53.95                        | 2.124 | 53.95                       | 2.124 | 41.15                         | 1.620 |
|   | DWR-T236P-VXXX-XX            | 2                              | 36                              | 97.99             | 3.858 | 86.82                        | 3.418 | 80.04                           | 3.151 | 76.86              | 3.026 | 59.44                        | 2.340 | 59.44                       | 2.340 | 46.63                         | 1.836 |
|   | DWR-T240P-VXXX-XX            | 2                              | 40                              | 103.48            | 4.074 | 92.30                        | 3.634 | 85.52                           | 3.367 | 82.35              | 3.242 | 64.92                        | 2.556 | 64.92                       | 2.556 | 52.12                         | 2.052 |
|   | DWR-T400P-VXXX-XX            | 4                              | 0                               | 65.99             | 2.598 | 54.81                        | 2.158 | 48.03                           | 1.891 | 44.86              | 1.766 | 27.43                        | 1.080 | 9.14                        | 0.360 | ---                           | ---   |
|   | DWR-T404P-VXXX-XX            | 4                              | 4                               | 72.39             | 2.850 | 61.21                        | 2.410 | 54.43                           | 2.143 | 51.26              | 2.018 | 33.83                        | 1.332 | 15.54                       | 0.612 | 2.74                          | 0.108 |
|   | DWR-T408P-VXXX-XX            | 4                              | 8                               | 77.88             | 3.066 | 66.70                        | 2.626 | 59.92                           | 2.359 | 56.74              | 2.234 | 39.32                        | 1.548 | 21.03                       | 0.828 | 8.23                          | 0.324 |
|   | DWR-T412P-VXXX-XX            | 4                              | 12                              | 83.36             | 3.282 | 72.19                        | 2.842 | 65.41                           | 2.575 | 62.23              | 2.450 | 44.81                        | 1.764 | 26.52                       | 1.044 | 13.72                         | 0.540 |
|   | DWR-T416P-VXXX-XX            | 4                              | 16                              | 88.85             | 3.498 | 77.67                        | 3.058 | 70.89                           | 2.791 | 67.72              | 2.666 | 50.29                        | 1.980 | 32.00                       | 1.260 | 19.20                         | 0.756 |
| 3 | DWR-T420P-VXXX-XX            | 4                              | 20                              | 94.34             | 3.714 | 83.16                        | 3.274 | 76.38                           | 3.007 | 73.20              | 2.882 | 55.78                        | 2.196 | 37.49                       | 1.476 | 24.69                         | 0.972 |
|   | DWR-T424P-VXXX-XX            | 4                              | 24                              | 99.82             | 3.930 | 88.65                        | 3.490 | 81.87                           | 3.223 | 78.69              | 3.098 | 61.26                        | 2.412 | 42.98                       | 1.692 | 30.18                         | 1.188 |
|   | DWR-T428P-VXXX-XX            | 4                              | 28                              | 105.31            | 4.146 | 94.13                        | 3.706 | 87.35                           | 3.439 | 84.18              | 3.314 | 66.75                        | 2.628 | 48.46                       | 1.908 | 35.66                         | 1.404 |
|   | DWR-T432P-VXXX-XX            | 4                              | 32                              | 110.79            | 4.362 | 99.62                        | 3.922 | 92.84                           | 3.655 | 89.66              | 3.530 | 72.24                        | 2.844 | 53.95                       | 2.124 | 41.15                         | 1.620 |
|   | DWR-T436P-VXXX-XX            | 4                              | 36                              | 116.28            | 4.578 | 105.11                       | 4.138 | 98.33                           | 3.871 | 95.15              | 3.746 | 77.72                        | 3.060 | 59.44                       | 2.340 | 46.63                         | 1.836 |
|   | DWR-T440P-VXXX-XX            | 4                              | 40                              | 121.77            | 4.794 | 110.59                       | 4.354 | 103.81                          | 4.087 | 100.63             | 3.962 | 83.21                        | 3.276 | 64.92                       | 2.556 | 52.12                         | 2.052 |
|   | DWR-T600P-VXXX-XX            | 6                              | 0                               | 84.28             | 3.318 | 73.10                        | 2.878 | 66.32                           | 2.611 | 63.14              | 2.486 | 45.72                        | 1.800 | 9.14                        | 0.360 | ---                           | ---   |
|   | DWR-T604P-VXXX-XX            | 6                              | 4                               | 90.68             | 3.570 | 79.50                        | 3.130 | 72.72                           | 2.863 | 69.55              | 2.738 | 52.12                        | 2.052 | 15.54                       | 0.612 | 2.74                          | 0.108 |
| 4 | DWR-T608P-VXXX-XX            | 6                              | 8                               | 96.16             | 3.786 | 84.99                        | 3.346 | 78.21                           | 3.079 | 75.03              | 2.954 | 57.61                        | 2.268 | 21.03                       | 0.828 | 8.23                          | 0.324 |
|   | DWR-T612P-VXXX-XX            | 6                              | 12                              | 101.65            | 4.002 | 90.47                        | 3.562 | 83.69                           | 3.295 | 80.52              | 3.170 | 63.09                        | 2.484 | 26.52                       | 1.044 | 13.72                         | 0.540 |
|   | DWR-T616P-VXXX-XX            | 6                              | 16                              | 107.14            | 4.218 | 95.96                        | 3.778 | 89.18                           | 3.511 | 86.00              | 3.386 | 68.58                        | 2.700 | 32.00                       | 1.260 | 19.20                         | 0.756 |
|   | DWR-T620P-VXXX-XX            | 6                              | 20                              | 112.62            | 4.434 | 101.45                       | 3.994 | 94.67                           | 3.727 | 91.49              | 3.602 | 74.07                        | 2.916 | 37.49                       | 1.476 | 24.69                         | 0.972 |
|   | DWR-T624P-VXXX-XX            | 6                              | 24                              | 118.11            | 4.650 | 106.93                       | 4.210 | 100.15                          | 3.943 | 96.98              | 3.818 | 79.55                        | 3.132 | 42.98                       | 1.692 | 30.18                         | 1.188 |
|   | DWR-T628P-VXXX-XX            | 6                              | 28                              | 123.60            | 4.866 | 112.42                       | 4.426 | 105.64                          | 4.159 | 102.46             | 4.034 | 85.04                        | 3.348 | 48.46                       | 1.908 | 35.66                         | 1.404 |
|   | DWR-T632P-VXXX-XX            | 6                              | 32                              | 129.08            | 5.082 | 117.91                       | 4.642 | 111.13                          | 4.375 | 107.95             | 4.250 | 90.53                        | 3.564 | 53.95                       | 2.124 | 41.15                         | 1.620 |
|   | DWR-T636P-VXXX-XX            | 6                              | 36                              | 134.57            | 5.298 | 123.39                       | 4.858 | 116.61                          | 4.591 | 113.44             | 4.466 | 96.01                        | 3.780 | 59.44                       | 2.340 | 46.63                         | 1.836 |
| 5 | DWR-T640P-VXXX-XX            | 6                              | 40                              | 140.06            | 5.514 | 128.88                       | 5.074 | 122.10                          | 4.807 | 118.92             | 4.682 | 101.50                       | 3.996 | 64.92                       | 2.556 | 52.12                         | 2.052 |
|   | DWR-T800P-VXXX-XX            | 8                              | 0                               | 102.57            | 4.038 | 91.39                        | 3.598 | 84.61                           | 3.331 | 81.43              | 3.206 | 64.01                        | 2.520 | 9.14                        | 0.360 | ---                           | ---   |
|   | DWR-T804P-VXXX-XX            | 8                              | 4                               | 108.97            | 4.290 | 97.79                        | 3.780 | 91.01                           | 3.583 | 87.83              | 3.458 | 70.41                        | 2.772 | 15.54                       | 0.612 | 2.74                          | 0.108 |
|   | DWR-T808P-VXXX-XX            | 8                              | 8                               | 114.45            | 4.506 | 103.28                       | 4.066 | 96.50                           | 3.799 | 93.32              | 3.674 | 75.90                        | 2.988 | 21.03                       | 0.828 | 8.23                          | 0.324 |
|   | DWR-T812P-VXXX-XX            | 8                              | 12                              | 119.94            | 4.722 | 108.76                       | 4.282 | 101.98                          | 4.015 | 98.81              | 3.890 | 81.38                        | 3.204 | 26.52                       | 1.044 | 13.72                         | 0.540 |
|   | DWR-T816P-VXXX-XX            | 8                              | 16                              | 125.43            | 4.938 | 114.25                       | 4.498 | 107.47                          | 4.231 | 104.29             | 4.106 | 86.87                        | 3.420 | 32.00                       | 1.260 | 19.20                         | 0.756 |
|   | DWR-T820P-VXXX-XX            | 8                              | 20                              | 130.91            | 5.154 | 119.74                       | 4.714 | 112.96                          | 4.447 | 109.78             | 4.322 | 92.35                        | 3.636 | 37.49                       | 1.476 | 24.69                         | 0.972 |
|   | DWR-T824P-VXXX-XX            | 8                              | 24                              | 136.40            | 5.370 | 125.22                       | 4.930 | 118.44                          | 4.663 | 115.27             | 4.538 | 97.84                        | 3.852 | 42.98                       | 1.692 | 30.18                         | 1.188 |
| 6 | DWR-T828P-VXXX-XX            | 8                              | 28                              | 141.88            | 5.586 | 130.71                       | 5.146 | 123.93                          | 4.879 | 120.75             | 4.754 | 103.33                       | 4.068 | 48.46                       | 1.908 | 35.66                         | 1.404 |
|   | DWR-T832P-VXXX-XX            | 8                              | 32                              | 147.37            | 5.802 | 136.19                       | 5.362 | 129.41                          | 5.095 | 126.24             | 4.970 | 108.81                       | 4.284 | 53.95                       | 2.124 | 41.15                         | 1.620 |
|   | DWR-T836P-VXXX-XX            | 8                              | 36                              | 152.86            | 6.018 | 141.68                       | 5.578 | 134.90                          | 5.311 | 131.72             | 5.186 | 114.30                       | 4.500 | 59.44                       | 2.340 | 46.63                         | 1.836 |
|   | DWR-T840P-VXXX-XX            | 8                              | 40                              | 158.34            | 6.234 | 147.17                       | 5.794 | 140.39                          | 5.527 | 137.21             | 5.402 | 119.79                       | 4.716 | 64.92                       | 2.556 | 52.12                         | 2.052 |

FOR INTERMEDIATE CONFIGURATIONS (NUMBER OF SIGNAL CONTACTS = 06, 10, 14 ...) DIMENSIONS CAN BE CALCULATED BY AVERAGING VALUES IMMEDIATELY BEFORE AND AFTER. FOR EXAMPLE, DIMENSIONS OF DWR-T206P-VXXX-XX CAN BE OBTAINED BY AVERAGING VALUES CORRESPONDING TO DWR-T204P-VXXX-XX AND DWR-T208P-VXXX-XX.

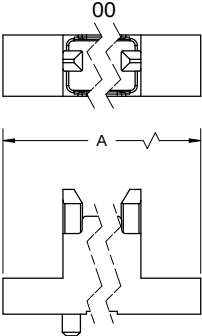


PIN AND SOCKET MATED ASSEMBLY

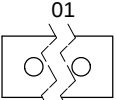


MOUNTING OPTIONS

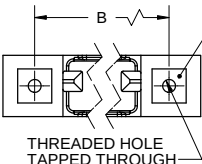
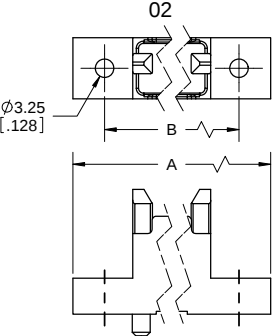
MOUNTING CODE: 00



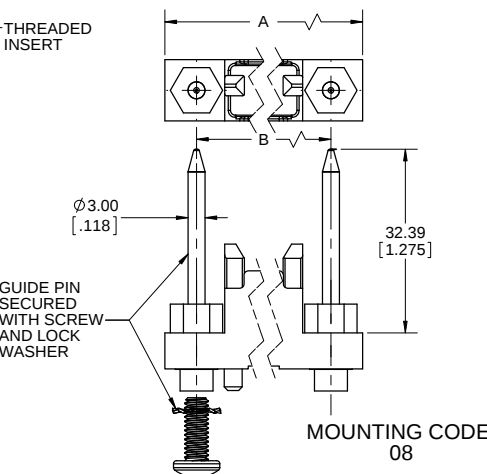
MOUNTING CODE: 01



MOUNTING CODE: 02



MOUNTING CODE: 04, 06



MOUNTING CODE: 08

|                            |                        |           |          |
|----------------------------|------------------------|-----------|----------|
| UNLESS SPECIFIED OTHERWISE | DRAWN                  | S.CAELERS | APR06/11 |
| PRIMARY UNITS MILLIMETERS  | CHECKED                | A.GREEN   | APR11/11 |
| SECONDARY INCHES           | M.E. APP'D             |           |          |
| REFERENCE IN PARENTHESES   | Q.A. APP'D             |           |          |
| GENERAL TOLERANCES         | DWG APPR.              |           |          |
| 1 DECIMAL PLACE            | ENG. REL. NO.          |           |          |
| 2 DECIMAL PLACES           | REF.                   |           |          |
| 3 DECIMAL PLACES           | THIRD ANGLE PROJECTION |           |          |
| ANGULAR DEGREES            | DO NOT SCALE DRAWING   |           |          |

**Amphenol Canada Corp.**

DWR SERIES SLIM DRAWER PIN CONNECTOR, PIN & SIGNAL CONTACTS, SOLDER CUP TAILS (POWER: 8 AWG, SIGNAL: 20 AWG), RoHS COMPLIANT

DWG. NO. **P-DWR-TXXXP-VX1X-0X** REV **C**

CODE ID NO. 03554 DWG SIZE: C SCALE: 2:1 SHEET 2 OF 2

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

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Факс: +7 495 668-12-70 (доб.304)

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