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B-FORMAT 2002 REVISIONS 0  
 RELEASED: DGW 9-18-2012  
 1/11/13 JAN 11 2013



**CWN-XXX-XX-XXXX**

**Type of Connector**  
 5= Polarized Header  
 6= Non-Polarized

**Pin Configuration**  
 5= Straight solder pins .090±.010 (2.29±.25) long, .025 (.64) Rnd.  
 6= Straight solder pins .155±.010 (3.94±.25) long, .025 (.64) Rnd.  
 7= Straight wire wrap pins .610±.010 (15.49±.25) long, .025 (.64) Sq.

**Plating**  
 -0000 = 10μ in. gold (in mating area) over 50μ in. nickel  
 -0021 = 30μ in. gold (in mating area) over 50μ in. nickel (Standard)

**Number of Contacts**  
 (10, 14, 16, 20, 26, 34, 40, 50 & 60)

**Latches (REF. OPTIONS)**  
 0 = No Latches  
 ① = Short Latches for Non-Strain relief sockets  
 E=.425 (10.80)/F= 1.02 (25.9)/G=.40 (10.2)  
 ② = Long Latches for Strain relief sockets  
 E=.573 (14.55)/F= 1.16 (29.5)/G=.51 (12.6)

DIMENSIONS IN INCHES (MILLIMETERS)  
 DO NOT SCALE DRAWING .....

Dwg. No.  
**CWN-5,6XX-XX-XXXX**

| CONNECTOR DIMENSIONS |                  |                  |                  |                  |
|----------------------|------------------|------------------|------------------|------------------|
| XX NO. CONT's        | A                | B                | C                | D                |
| 10                   | .400<br>(10.16)  | .860<br>(21.84)  | 1.260<br>(32.00) | 1.100<br>(27.94) |
| 14                   | .600<br>(15.24)  | 1.060<br>(26.92) | 1.460<br>(37.08) | 1.300<br>(33.02) |
| 16                   | .700<br>(17.78)  | 1.160<br>(29.46) | 1.560<br>(39.62) | 1.400<br>(35.56) |
| 20                   | .900<br>(22.86)  | 1.360<br>(34.54) | 1.760<br>(44.70) | 1.600<br>(40.64) |
| 26                   | 1.200<br>(30.48) | 1.660<br>(42.16) | 2.060<br>(52.32) | 1.900<br>(48.26) |
| 34                   | 1.600<br>(40.64) | 2.060<br>(52.32) | 2.460<br>(62.48) | 2.300<br>(58.42) |
| 40                   | 1.900<br>(48.26) | 2.360<br>(59.94) | 2.760<br>(70.10) | 2.600<br>(66.04) |
| 50                   | 2.400<br>(60.96) | 2.860<br>(72.64) | 3.260<br>(82.80) | 3.100<br>(78.74) |
| 60                   | 2.900<br>(73.66) | 3.360<br>(85.34) | 3.760<br>(95.50) | 3.600<br>(91.44) |



- NOTES:**
- 1) Dimensions are in inches; Dimensions in ( ) are in millimeters.
  - 2) Metric equivalents are given for general information only, and are based upon 1.00 inches equals (25.4) millimeters.
  - 3) Holes centered ±.005 between adjacent flanges.
  - 4) Part is made with removable ribs, drawing title indicates with or without, omit (R2) in size 10 and 14 headers.

**MATERIALS:**  
**PLASTIC PARTS**- UL94V-0 Thermoplastic (blue,std.) flame retardant.  
**CONTACTS**- Phosphor Bronze, standard (REF. PLATING ABOVE)

**OPERATING STANDARDS:**  
**TEMPERATURE RATING**- -55°C to +125°C  
**CONTACT RATING**- 1 AMPERE.  
**DIELECTRIC STRENGTH**- OVER 500V.D.C. AT SEA LEVEL.  
**INSULATION RESISTANCE**- GREATER THAN 5 x 10<sup>9</sup> OHMS.

**CUSTOMER DRAWING ONLY**

|          |   |   |
|----------|---|---|
| PDF MADE | <b>CW INDUSTRIES</b><br>Southampton, Pa. 18966  | Title: FULLY SHROUDED STRAIGHT PIN P.C.B. HEADER<br>.100" x .100" CENTERS |
|          | TOLERANCES UNLESS OTHERWISE SPECIFIED   | Division: CONNECTOR   |
|          | 2 Place Decimal ±.010 METRIC<br>3 Place Decimal ±.005 1 Place Dec. ±.25mm<br>Angles ..... ±1° 2 Place Dec. ±.13mm | Dwg. No. CWN-5,6XX-XX-XXXX  |
|          | Made for: CW JND.<br>Drawn by: DGW 9-18-2012<br>Checked by: G. Gold 1-11-13<br>Approval: C. Hanson 1/4/13         |   |

**MASTER**