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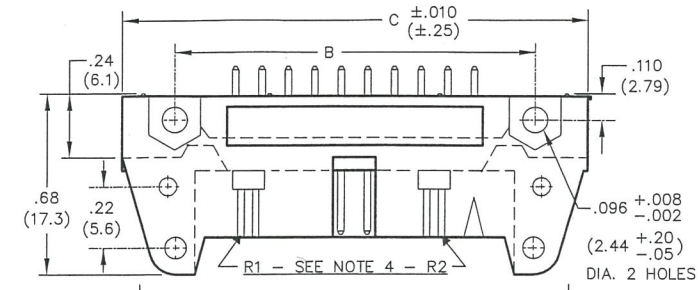
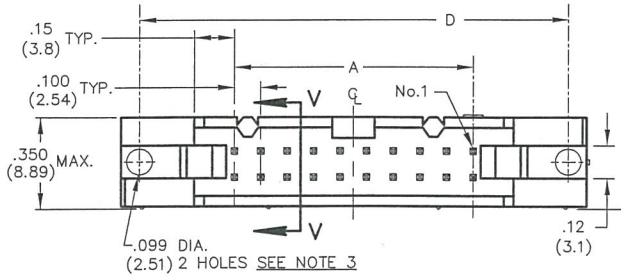
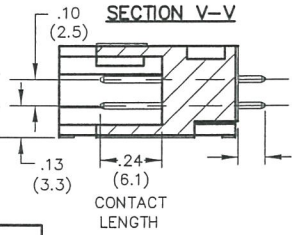






CWN–XXX–XX–XXXX

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.

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)

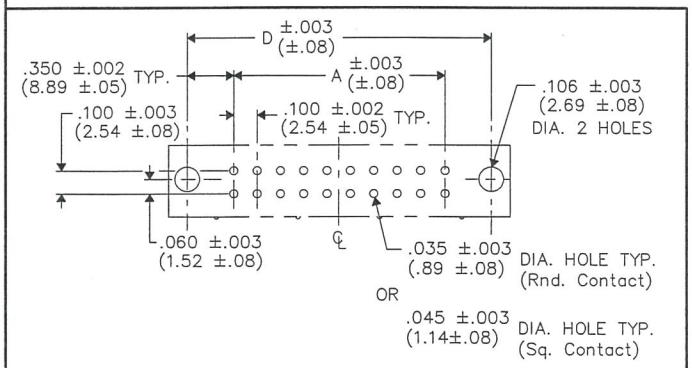
Number of Contacts
(10, 14, 16, 20, 26, 34, 40, 50 & 60)

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

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

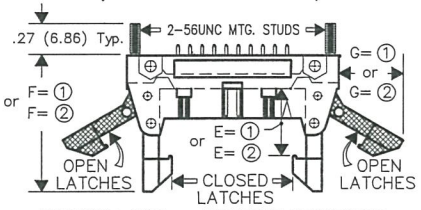
Dwg. No.
CWN–5,6XX–XX–XXXX

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



RECOMMENDED STRAIGHT P.C. BOARD LAYOUT

EJECTOR LATCH & STUD OPTIONS
(REF. LATCHES ABOVE)



EJECTOR LATCH – ASSEMBLY PROCEDURE

Latches spring closed automatically as the connector is inserted into header and lock connector in place. For connector removal, spring latches apart and ejection occurs automatically.

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 10^9 OHMS.

1 2 3 4 5 6 7 8 9 10

B–FORMAT 2002

REVISIONS

0	RELEASED. DGW 9–18–2012 JAN 11 2013

CUSTOMER DRAWING ONLY

PDF MADE

CW INDUSTRIES
Southampton, Pa. 18966

TOLERANCES UNLESS OTHERWISE SPECIFIED
2 Place Decimal ±.010
3 Place Decimal ±.005
Angles ..... ±1°
METRIC
1 Place Dec. ±.25mm
2 Place Dec. ±.13mm

Made for: CW IND.
Drawn by: DGW 9–18–2012
Checked by: G. Gould 1-11-13
Approval: C. Hennon 1/11/13

Title: FULLY SHROUDED STRAIGHT PIN P.C.B. HEADER .100" x .100" CENTERS

Division: CONNECTOR

Dwg. No. CWN–5,6XX–XX–XXXX

MASTER