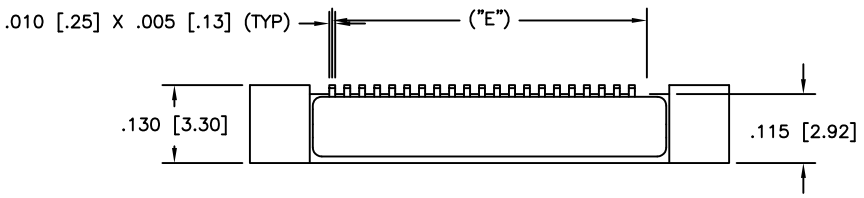
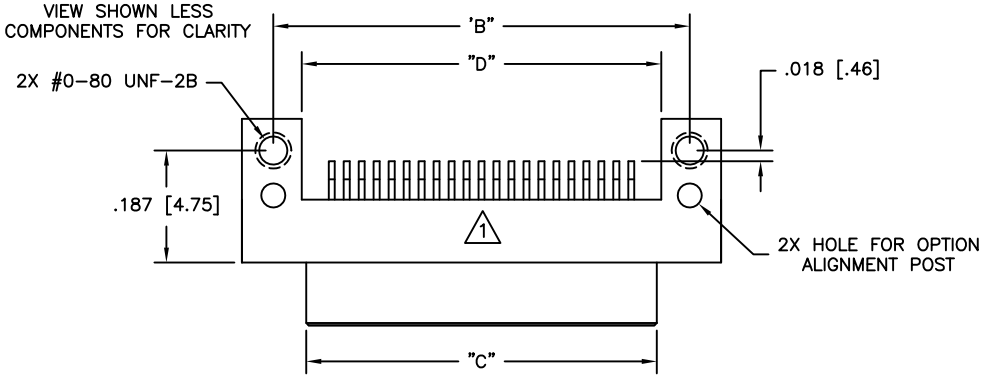
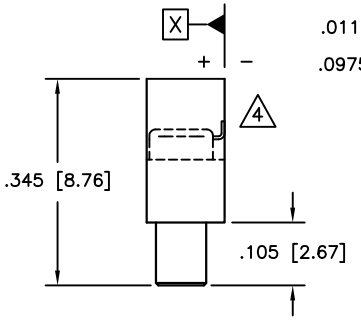
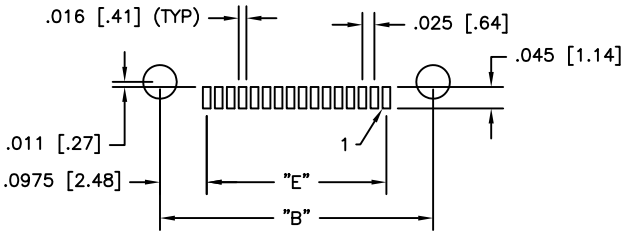
PART REV	DWG ISSUE	DATE	ECN NO.	APPVD BY	REL BY
A	A	04/27/15	UMI5591	T.POMBART	PER

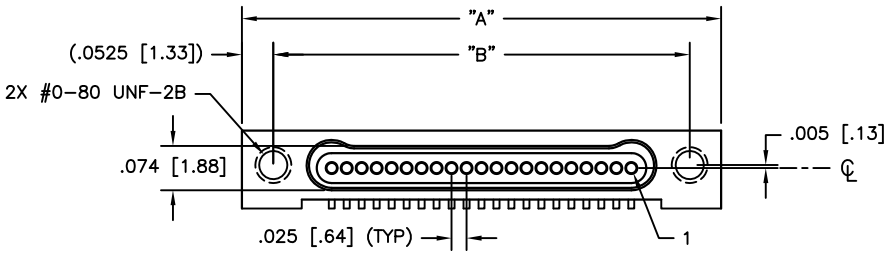








RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)
SCALE 4:1



PART NO.	SIZE	"A"	"B"	"C"	"D"	"E"
832111217	9	.500 [12.70]	.395 [10.03]	.284 [7.21]	.300 [7.62]	.100 [2.54]
832121217	15	.650 [16.51]	.545 [13.84]	.434 [11.02]	.450 [11.43]	.175 [4.45]
832131217	21	.800 [20.32]	.695 [17.65]	.584 [14.83]	.600 [15.24]	.250 [6.35]
832141217	25	.900 [22.86]	.795 [20.19]	.684 [17.37]	.700 [17.78]	.300 [7.62]
832151217	31	1.050 [26.67]	.945 [24.00]	.834 [21.18]	.850 [21.59]	.375 [9.52]
832161217	37	1.200 [30.48]	1.095 [27.81]	.984 [24.99]	1.000 [25.40]	.450 [11.43]
832171217	51	1.550 [39.37]	1.445 [36.70]	1.334 [33.88]	1.350 [34.29]	.625 [15.88]

4. LEAD TOLERANCE: LOWEST LEAD TO BE CO-PLANAR WITHIN +.001/-.003 FROM SURFACE "X" THEN ALL LEADS TO BE WITHIN +.005 FROM LOWEST LEAD

3. PERFORMANCE: MEETS OR EXCEEDS M32139 PERFORMANCE SPECIFICATIONS
CONTACT RATING: 1 AMPERE MAXIMUM AT AMBIENT TEMPERATURE
DWV: 250 VAC
INSULATION RESISTANCE: 5000 MEGOHMS MINIMUM @ 100 VDC
CONTACT RESISTANCE: 0.021 VOLT MAXIMUM DROP @ 1.0 AMPS (.021 OHMS)

2. MATERIALS: SHELL: ALUMINUM 6061-T6, ELECTROLESS NICKEL PLATED PER AMS2404
INSULATOR: LCP (LIQUID CRYSTAL POLYMER) GLCP-30F
CONTACT: BERYLLIUM COPPER PER ASTM B194, GOLD PLATED PER ASTM B488
LEADS: SN/PB PLATED

1. MARKINGS: UMI, UMI P/N, DATE CODE & W/O NO. AS SPACE PERMITS OTHERWISE ON BAG OR TAG

NOTES: UNLESS OTHERWISE SPECIFIED

QUALITY SYMBOLS
MAJOR ▼ =
CRITICAL ▽C =
SPC ▽S =

UNLESS SPECIFIED:
ALL DIMENSIONS IN INCHES
GENERAL TOLERANCES:
3 PLACE ±.005
2 PLACE ±.010
ANGULAR ±2°

Ulti-Mate CAGE CODE
58967

SCALE 5:1 | DWG SIZE B | THIRD ANGLE PROJECTION | REVISE ON CAD ONLY

DRAWN BY & DATE: UMI 03-09-10
CHECKED BY & DATE: SEE ECN
APPROVED BY & DATE: SEE ECN

TITLE: NANO-D SINGLE ROW CONNECTOR
MALE, SIZE XX, CNM28LXX-1P071 S01

MATERIAL: 2 | Ulti-Mate Connector Inc.

CAD FILENAME: SD-832131217.DWG
PART NO.: SEE "TAB BLOCK"
DRAWING NO.: SD-832131217
SHEET NO.: 1 OF 1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO ULTI-MATE INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

REV A