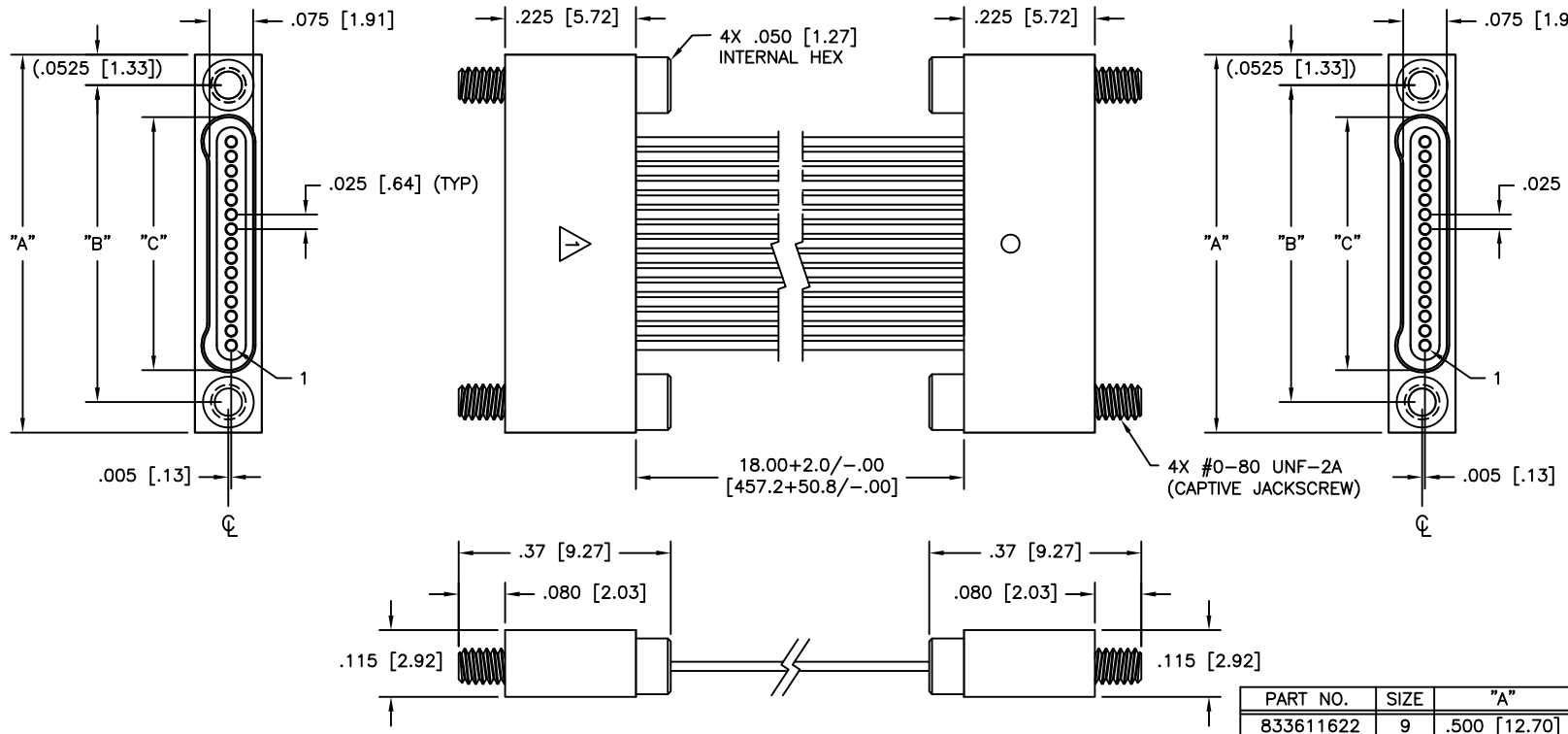
PART REV	DWG ISSUE	DATE	ECN NO.	APPVD BY	REL BY
–	–	02/17/11	UMI4305	T.POMBART	PER



WIRING COLOR CODE

1, 11	—	BLACK
2, 12	—	BROWN
3, 13	—	RED
4, 14	—	ORANGE
5, 15	—	YELLOW
6	—	GREEN
7	—	BLUE
8	—	VIOLET
9	—	GRAY
10	—	WHITE

PART NO.	SIZE	"A"	"B"	"C"
833611622	9	.500 [12.70]	.395 [10.03]	.285 [7.24]
833621622	15	.650 [16.51]	.545 [13.84]	.435 [11.05]
833631622	21	.800 [20.32]	.695 [17.65]	.585 [14.86]
833641622	25	.900 [22.86]	.795 [20.19]	.685 [17.40
833651622	31	1.050 [26.67]	.945 [24.00]	.835 [21.21]
833661622	37	1.200 [30.48]	1.095 [27.81]	.985 [25.02]
833671622	51	1.550 [39.37]	1.445 [36.70]	1.335 [33.91]

4. WIRE SOCKET 1 TO SOCKET 1, SOCKET 2 TO 2, 3 TO 3, ETC.

3. PERFORMANCE: MEETS OR EXCEEDS M32139 PERFORMANCE SPECIFICATIONS
CONTACT RATING: 1 AMPERE MAXIMUM
DWV: 250 VAC
INSULATION RESISTANCE: 5000 MEGOHMS MINIMUM @ 100 VDC
CONTACT RESISTANCE: 0.071 VOLT MAXIMUM DROP @ 1.0 AMPS (.071 OHMS) W/6.00" OF WIRE LISTED BELOW, PER MIL–DTL–32139

2. MATERIALS: SHELL: ALUMINUM 6061–T6, ELECTROLESS NICKEL PLATED PER AMS2404
INSULATOR: LCP (LIQUID CRYSTAL POLYMER) GLCP–30F
CONTACT: BRASS ALLOY 735, GOLD PLATED PER ASTM B488
LEADS: 30 AWG, NEMA HP3, TYPE ET, COLOR CODED PER MIL–DTL–681, SYSTEM 1, EXCEPT USING 10 SOLID REPEATING COLORS
HARDWARE: 303 STAINLESS PER ASTM 582

1. MARKINGS: UMI, DATE CODE, UMI P/N AS SPACE PERMITS, OTHERWISE 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, FEMALE/FEMALE, SIZE XX, NMLXX–1S02/NMLXX–1S02–30F6–18.0–S01

MATERIAL: 2

Ulti-Mate Connector Inc.

CAD FILENAME: SD–833631622.DWG
PART NO.: SEE "TAB BLOCK"
DRAWING NO.: SD–833631622
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 –