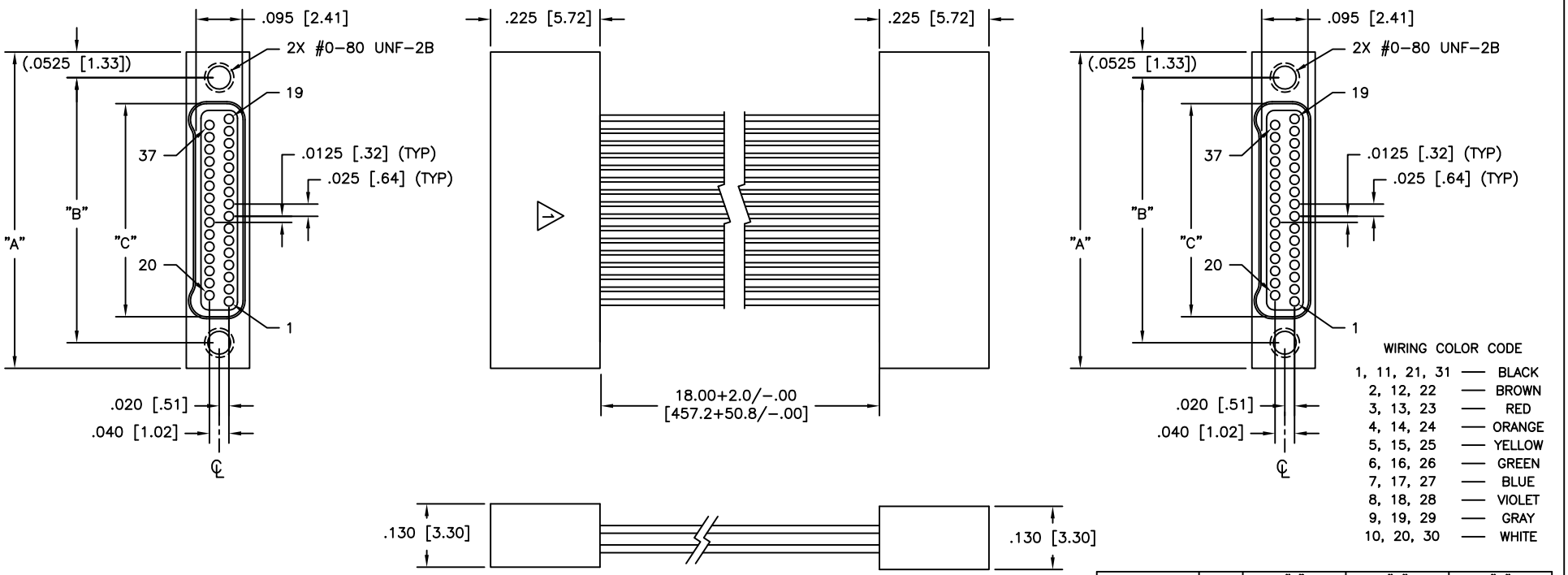
PART REV	DWG ISSUE	DATE	ECN NO.	APPVD BY	REL BY
–	–	02/17/11	UMI4305	T.POMBART	PER



WIRING COLOR CODE

1, 11, 21, 31	—	BLACK
2, 12, 22	—	BROWN
3, 13, 23	—	RED
4, 14, 24	—	ORANGE
5, 15, 25	—	YELLOW
6, 16, 26	—	GREEN
7, 17, 27	—	BLUE
8, 18, 28	—	VIOLET
9, 19, 29	—	GRAY
10, 20, 30	—	WHITE

PART NO.	SIZE	"A"	"B"	"C"
833918627	9	.375 [9.52]	.270 [6.86]	.163 [4.14]
833928627	15	.450 [11.43]	.345 [8.76]	.238 [6.04]
833938627	21	.525 [13.33]	.420 [10.67]	.313 [7.95]
833948627	25	.575 [14.60]	.470 [11.94]	.363 [9.22]
833958627	31	.650 [16.51]	.545 [13.84]	.438 [11.12]
833968627	37	.725 [18.41]	.620 [15.75]	.513 [13.03]
833978627	51	.900 [22.86]	.795 [20.19]	.688 [17.47]
833988627	65	1.075 [27.30]	.970 [24.64]	.863 [21.92]

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 AND 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

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
CAD FILENAME: SD-833968627.DWG

TITLE: NANO-D DUAL ROW CONNECTOR, FEMALE/FEMALE, SIZE XX, NPLXX-2S07/NPLXX-2S07-30F6-18.0-S01

MATERIAL: 2

Ulti-Mate Connector Inc.

PART NO.: SEE "TAB BLOCK" | DRAWING NO.: SD-833968627 | SHEET NO. 1 OF 1

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

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