CUSTOMER DRAWING

PART NUMBER: DCM-USB SERIES

USB 2.0 TYPE A

- "X"
- 2.10 [53.2] REF
- Ø0.15 [3.8]
- 0.375 [9.5]
- 0.125 [3.2]
- STRIPPED AND TINNED (SEE NOTE 3)

PIN #4 — PIN #1
1.29 [32.8]

- USB 2.0 TYPE A PLUG
- O-RING
- COUPLING RING (QUICK CONNECT SHOWN)

USB 2.0 TYPE B

- "X"
- 2.08 [52.8] REF
- Ø0.15 [3.8]
- 0.375 [9.5]
- 0.125 [3.2]
- STRIPPED AND TINNED (SEE NOTE 3)

PIN #1 — PIN #2
1.44 [36.7]
PIN #4 — PIN #3

- USB 2.0 TYPE B PLUG
- O-RING
- COUPLING RING (THREADED SHOWN)
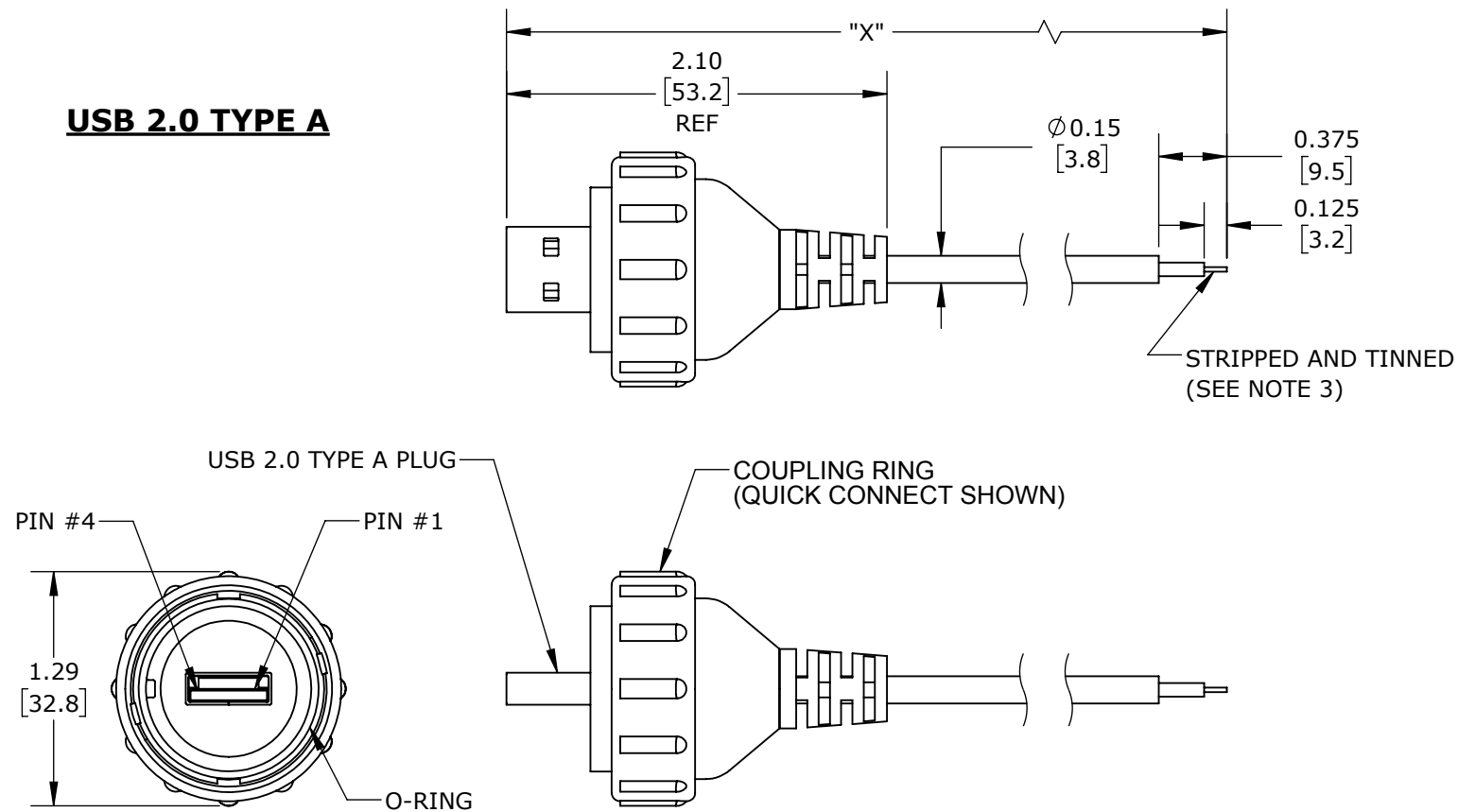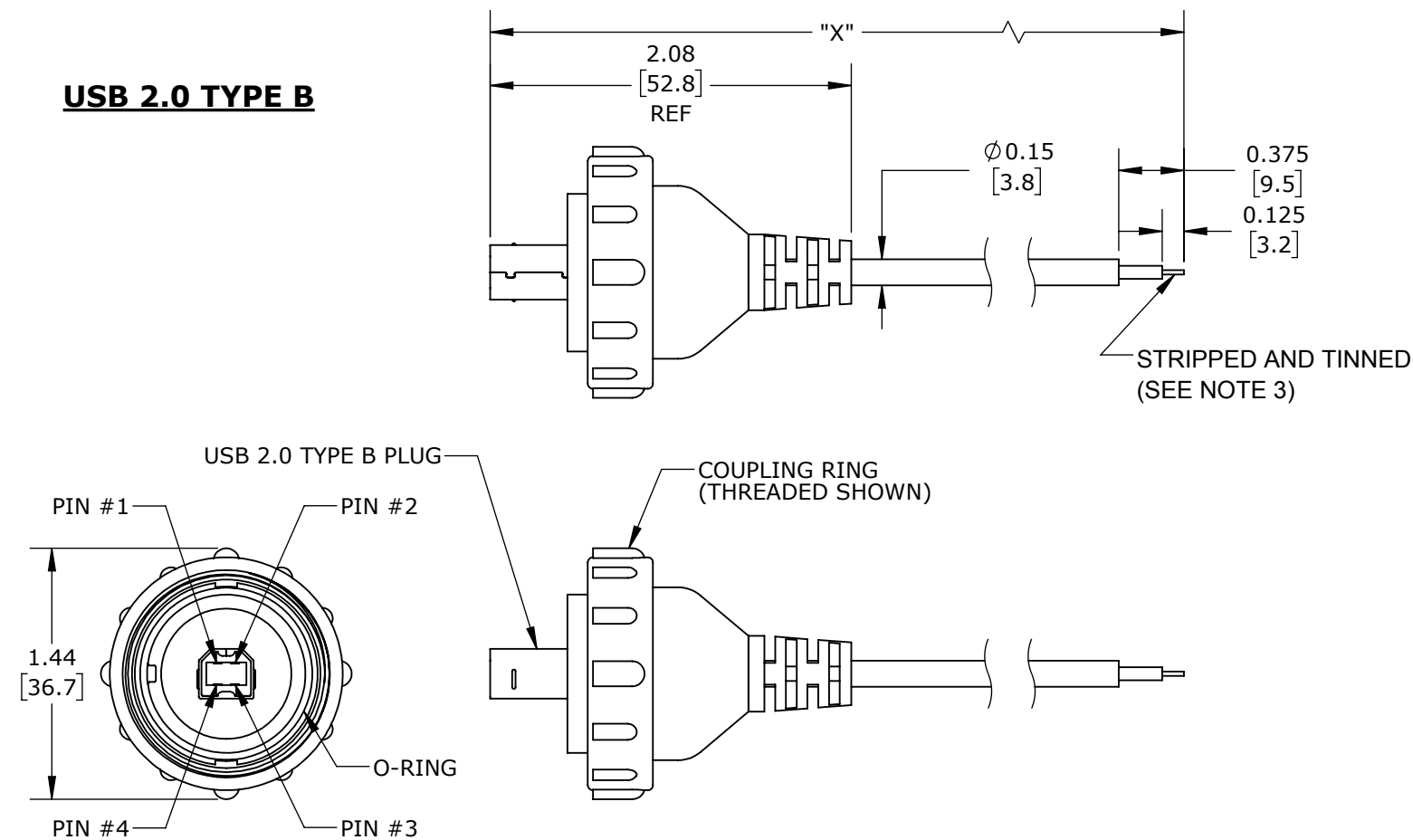
PART NUMBER	USB 2.0 TYPE	COUPLING TYPE	CABLE LENGTH "X"
DCM-USBAB-R5	A	QUICK CONNECT	195.0±3.0 [4953.0±76.2mm]
DCM-USBAT-R5	A	THREADED	195.0±3.0 [4953.0±76.2mm]
DCM-USBBB-R5	B	QUICK CONNECT	195.0±3.0 [4953.0±76.2mm]
DCM-USBBT-R5	B	THREADED	195.0±3.0 [4953.0±76.2mm]

NOTES:
1. COUPLING RING AND O-RING ARE SHIPPED ASSEMBLED TO THE CABLE.
2. DIMENSIONS SHOWN ARE IN INCHES [mm].
3. THE CABLE END COMES STRIPPED AND TINNED. THIS IS TYPICAL FOR ALL BREAKOUTS.
4. UNLESS OTHERWISE SPECIFIED, DIMENSIONS WITH TWO DECIMAL PLACES HAVE TOLERANCES OF ±0.02 [±0.5mm].

MATERIALS:
PLUG OVERMOLD BODY & FLEX: THERMOPLASTIC, BLACK
COUPLING RING: THERMOPLASTIC, BLACK
O-RING: ELASTOMER, RED
USB PLUG:
    INSULATOR: THERMOPLASTIC, WHITE
    CONTACTS: COPPER ALLOY, GOLD PLATED
    SHIELD: COPPER ALLOY, TIN PLATED
CABLE:
    OUTER JACKET: PVC, BLACK
    CONDUCTORS: TINNED COPPER, 28 AWG

ELECTRICAL:
CONTACT RESISTANCE: 30 MILLIOHMS MAXIMUM
CONTACT CURRENT RATING: 1.5 A MINIMUM
INSULATION RESISTANCE: 1000 MEGAOHMS MINIMUM
WITHSTANDING VOLTAGE: 500VAC FOR 1 MINUTE

PRODUCT RATING:
IP66 WHEN MATED
USB CABLE: USB 2.0

OTHER:
OPERATING TEMPERATURE: 0°C TO +50°C
STORAGE TEMPERATURE: -20°C TO +60°C

USB 2.0 CABLE WIRING	
PIN	CABLE COLOR
1	RED
2	WHITE (TWISTED PAIR)
3	GREEN (TWISTED PAIR)
4	BLACK
SHIELD	BRAID

CUSTOMER DRAWING

REV.	INIT.	DATE	DESCRIPTION
0A	JGK	6/04/13	DRAWING CREATED PER PROJECT #09013.

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ALL UNITS ARE IN FEET, INCHES, FRACTION OF INCHES AND DECIMALS.

UNLESS OTHERWISE SPECIFIED
TOLERANCES:
3 PLACE DECIMALS ±.005
ANGLES ±1°
FRACTIONS ±1/16

▷ = CRITICAL CHARACTERISTIC FLAG PER SPEC. XXXX

ORIG. DRAWN BY: JGK   DATE: 6/04/13
CHECKED BY:
APPROVED BY:

conxall
601 E. WILDWOOD VILLA PARK, IL 60181

TITLE: USB 2.0 OVERMOLDED CABLE SERIES TYPE A & B DATA-CON-X
CUSTOMER: STANDARD PRODUCT

SCALE: 1:1 | SIZE: B | SHEET: 1 OF 1
FILE: DCM-USB SERIES_CD
DIRECTORY: SLW
PART NUMBER: DCM-USB SERIES
REV: 0A

RoHS COMPLIANT