PART NUMBER	COUPLING TYPE	DESCRIPTION
DCP-USBAB-HD	QUICK CONNECT	USB A 2.0 TO 5 PIN HEADER
DCP-USBAT-HD	THREADED	USB A 2.0 TO 5 PIN HEADER

NOTES:
1. DCP-USBAB-HD SHOWN IN EXPLODED VIEW. (USB A 2.0 RECEPTACLE TO 5 PIN HEADER WITH QUICK CONNECT COUPLING.)
2. THE USB 2.0 RECEPTACLE STYLE IS TYPE "A".
3. THE DIMENSION DOES NOT INCLUDE GASKET COMPRESSION.
4. THE PINOUT AND DIMENSIONS ARE TYPICAL FOR ALL VERSIONS.
5. UNLESS OTHERWISE SPECIFIED, DIMENSIONS WITH TWO DECIMAL PLACES HAVE TOLERANCES OF ±0.02 [±0.5 mm].

MATERIALS:
GASKET: ELASTOMER, BLACK
HEX NUT: THERMOPLASTIC, BLACK
USB PANEL HOUSING: THERMOPLASTIC, BLACK
USB RECEPTACLE:
SHELL: COPPER ALLOY, TIN PLATED
CONTACTS: COPPER ALLOY, GOLD PLATED
INSULATOR: THERMOPLASTIC, WHITE
HEADER:
INSULATOR: THERMOPLASTIC, BLACK
CONTACTS: COPPER ALLOY, GOLD PLATED
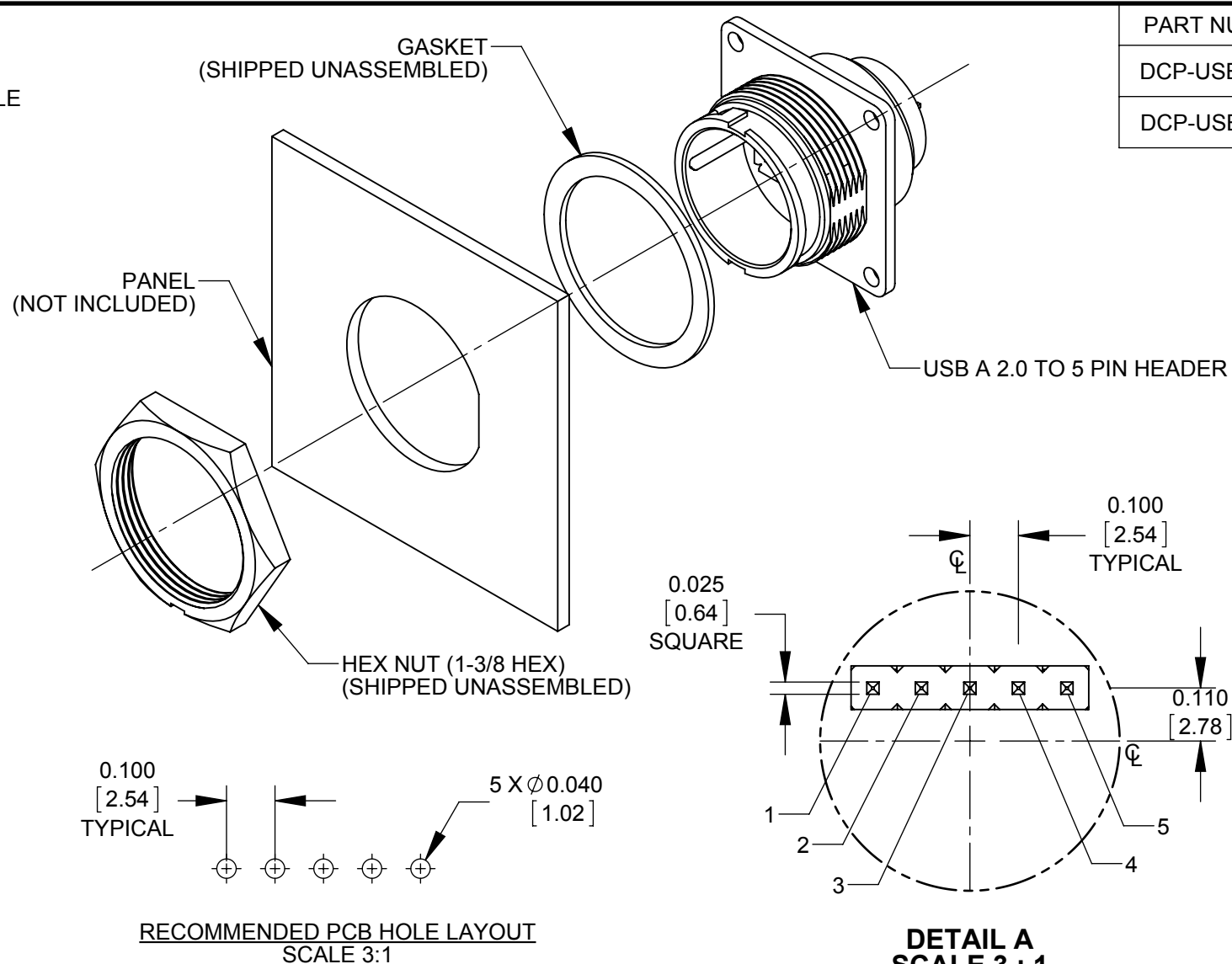PCB: FR-4

ELECTRICAL:
CURRENT RATING: 1.5 A MINIMUM
CONTACT RESISTANCE: 30 MILLIOHMS MAXIMUM
INSULATION RESISTANCE: 1000 MEGAOHMS MINIMUM
DIELECTRIC WITHSTANDING VOLTAGE: 500V AC

PRODUCT RATING:
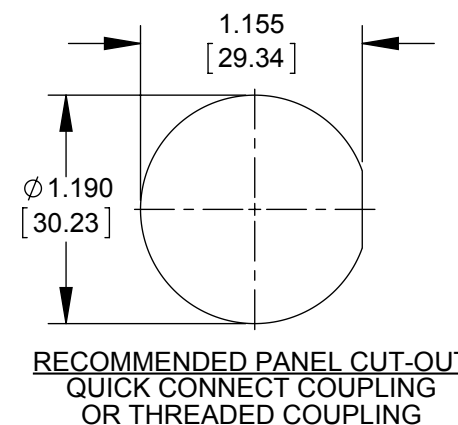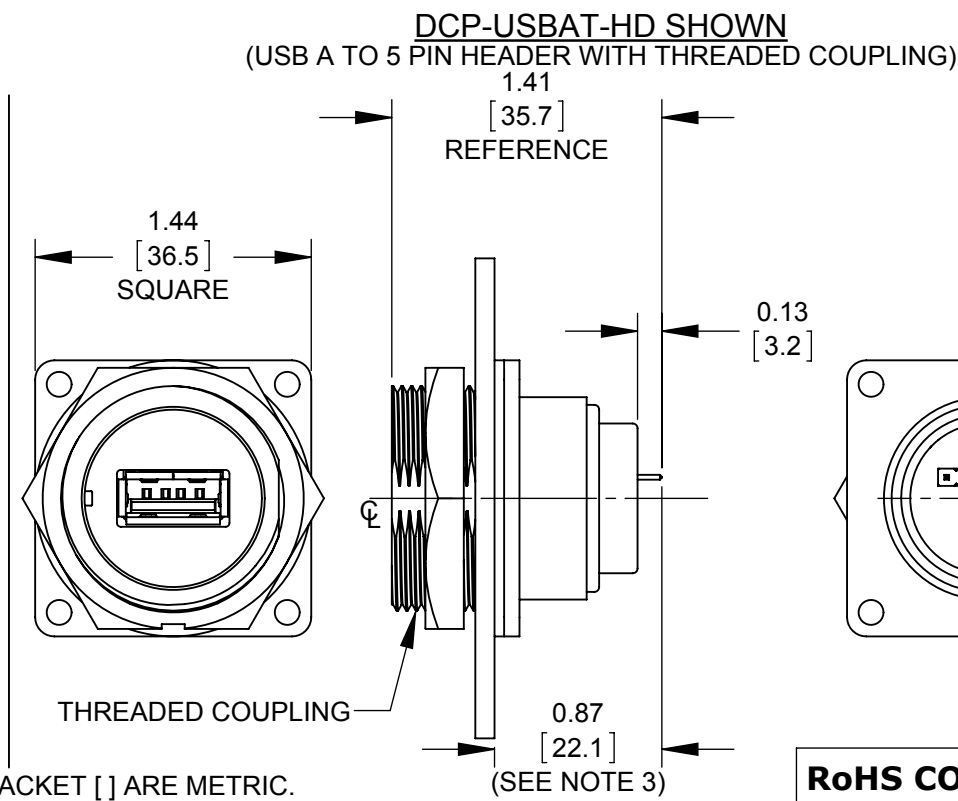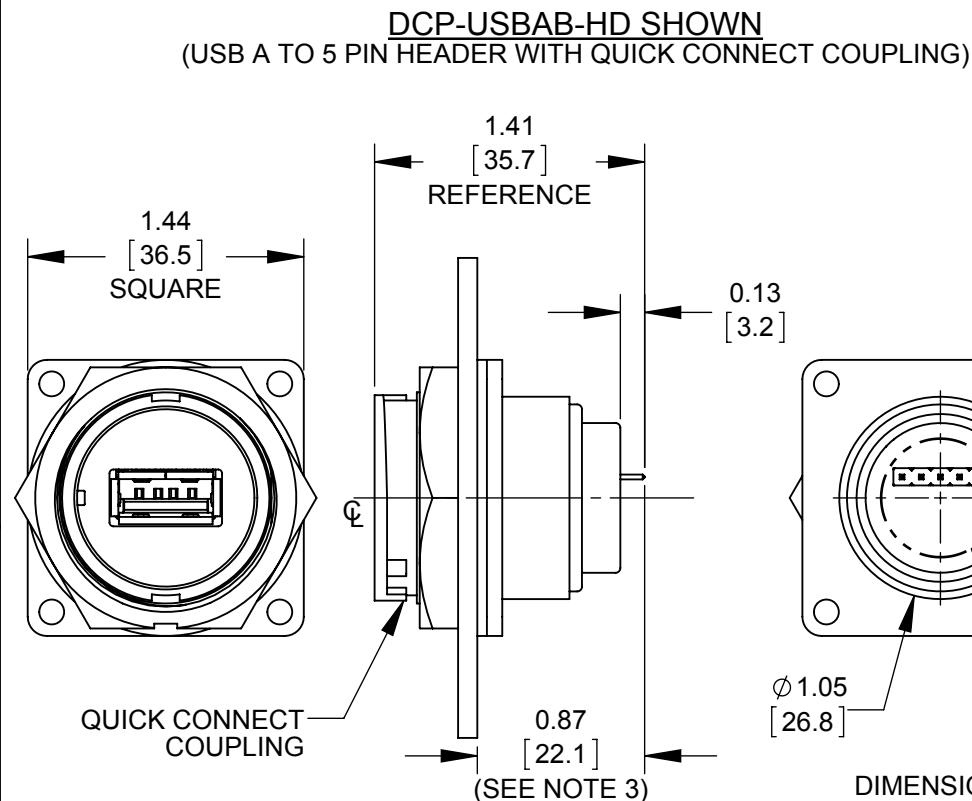IP-67 & IP-68, NEMA 250 (6P), WHEN MATED

OTHER:
OPERATING TEMPERATURE: -25°C TO +85°C [-13°F TO +185°F]
RECOMMENDED PANEL THICKNESS:
QUICK CONNECT COUPLING: 1/32" TO 3/16" (0.8mm to 4.8mm)
THREADED COUPLING: 1/32" TO 5/32" (0.8mm to 3.9mm)

CUSTOMER DRAWING

PART NUMBER: DCP-USBAX-HD SERIES

GASKET (SHIPPED UNASSEMBLED)

PANEL (NOT INCLUDED)

USB A 2.0 TO 5 PIN HEADER

HEX NUT (1-3/8 HEX) (SHIPPED UNASSEMBLED)

0.100 [2.54] TYPICAL

5 X ⌀0.040 [1.02]

RECOMMENDED PCB HOLE LAYOUT
SCALE 3:1

0.100 [2.54] TYPICAL

0.025 [0.64] SQUARE

0.110 [2.78]

USB A PINOUT	HEADER PINOUT
1	1
2	2
3	3
4	4
SHIELD	5

DETAIL A
SCALE 3 : 1

DCP-USBAB-HD SHOWN
(USB A TO 5 PIN HEADER WITH QUICK CONNECT COUPLING)

1.44 [36.5] SQUARE

1.41 [35.7] REFERENCE

0.13 [3.2]

⌀1.05 [26.8]

0.87 [22.1]

A

QUICK CONNECT COUPLING

(SEE NOTE 3)

DCP-USBAT-HD SHOWN
(USB A TO 5 PIN HEADER WITH THREADED COUPLING)

1.44 [36.5] SQUARE

1.41 [35.7] REFERENCE

0.13 [3.2]

⌀1.05 [26.8]

0.87 [22.1]

THREADED COUPLING

(SEE NOTE 3)

DIMENSIONS IN BRACKET [ ] ARE METRIC.

1.155 [29.34]

⌀1.190 [30.23]

RECOMMENDED PANEL CUT-OUT
QUICK CONNECT COUPLING
OR THREADED COUPLING

PRELIMINARY

CUSTOMER DRAWING

| 0A | JGK | 3/25/15 | DRAWING CREATED PER PDR #14007, QUOTE #100113 & #100167. |
| REV. | INIT. | DATE | DESCRIPTION |

ORIG. DRAWN BY: JGK   DATE: 3/25/15
CHECKED BY:
APPROVED BY:

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

conxall
601 E. WILDWOOD VILLA PARK, IL 60181

TITLE: USB A PANEL CONNECTOR USB A TO 5 PIN HEADER
DATA-CON-X
CUSTOMER: STANDARD PRODUCT

SCALE: 1:1   SIZE: B   SHEET: 1 OF 1
FILE: SAME AS P/N   DIRECTORY: SLW   PART NUMBER: DCP-USBAX-HD SERIES   REV: 0A

RoHS COMPLIANT