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REV

DESCRIPTION

DATE

APPROVED

5

MARKET LAUNCH

10/09/26

F. BISHARA

NOTES:

1. SOLDERING TO BE PERFORMED IAW IPC-J-STD-001.
WORKMANSHIP TO BE PERFORMED IAW IPC-A-620, CLASS 2.

2. TO ORDER, SPECIFY PART NUMBER 11012-4949-YY
YY DENOTES CABLE ASSEMBLY LENGTH IN INCHES.
(E.G. -14 = CABLE ASSEMBLY LENGTH IS 14").
MAX ORDERABLE CABLE LENGTH IS 72"
MIN ORDERABLE LENGTH IS 14"

3. LABELS ARE PER SAE-AMS-DTL-23053/5-1XX (CLASS 1).
COVER LABELS WITH CLEAR HEAT SHRINK PER SAE-AMS-DTL-23053/5-2XX-C (CLASS 2 - CLEAR).
LENGTH AND SIZE OF LABELS & CLEAR SHRINK AS REQUIRED.
XXXXXX ON LABEL = PIC WIRE & CABLE SERIAL NUMBER, AS APPLICABLE.

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UNLESS OTHERWISE SPECIFIED:
APPLY ONE LABEL TO EACH END.

5

SEE TABLE 2 FOR CAPABILITY LIMITS

6. INSTALL DUST CAP ONTO BOTH ENDS PRIOR TO SHIPPING CABLE ASSEMBLY TO END CUSTOMER.

7. USB TYPE C CONNECTOR MECHANICAL REQUIREMENTS:
DUAL SCREW USB TYPE-C LOCKING PLUG PER USB TYPE-C LOCKING CONNECTOR SPEC REV 1.0.

8. INSPECT ALL OVERMOLDED ASSEMBLIES AGAINST THE OVERMOLD PROFILE DIMENSIONS DETAILED ON SHEET 2.

9. ENSURE SCREWS MOVE FREELY AND ARE CAPTIVATED IN OVERMOLD.

10. TESTING REQUIREMENTS:
EACH SIGNAL LANE PASSES EYE DIAGRAM SPECIFIED BY USB-C GEN 1 WITH DE-EMPHASIS.
TEST FOR CONTINUITY AND SHORTS.

TABLE 2

ASSMBLY LENGTH

VIDEO RESOLUTION

60W CHARGING

14" TO 60"

4Kp60 w/HDR

YES

61" TO 71"

4Kp60 w/HDR

NO

6

RNF-100-XXX-CL

TE SHRINK TUBE, CLEAR

A/R

5

TTMS-MP-XX.X-9

TE LABEL SHRINK TUBE, WHITE

A/R

4

TTMS-MP-XX.X-0

TE LABEL SHRINK TUBE, BLACK

A/R

3

ATUM-12/3-0

DUAL WALL HEAT SHRINK TUBING, BLACK

A/R

2

111124

USB TYPE C CONNECTOR, NO-EMIC

2

1

USBC-2624

USB TYPE C CABLE

YY"

ITEM NO

PART NO

DESCRIPTION

QTY

PARTS LIST

-YY

UNLESS OTHERWISE SPECIFIED,
DRAWING UNITS ARE IN INCHES

GENERAL TOLERANCES

ASSEMBLY LENGTH TOLERANCES

X.X ±1.0

UP TO 18 +1/-0

X.XX ±0.5

19 TO 48 +2/-0

X.XXX ±0.250

OVER 48 +3/-0

ANGLES ±0.5°

SIGNATURES ON FILE

ISSUED F.BISHARA

CHECKED H.WIEDEMANN

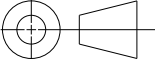
APPROVED S.SKIBINSKI

DATE 01/25/24

DATE 01/25/24

DATE 01/25/24

UNLESS OTHERWISE SPECIFIED, DRAWING IS IN THIRD ANGLE PROJECTION (US STANDARD)





W220 N1051 Springdale Rd. Waukesha, WI 53186
Phone: 800.742.3191 www.PICwire.com

TITLE

DUAL SCREW LOCKING PLUG
USB TYPE C CABLE ASSEMBLY
(NO E MARKER)

PROPRIETARY NOTICE:
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DWG NO

11012-4949

REV

5

INTERPRET DRAWING:
PER ASME Y14.100-2004
DIM AND TOL PER ASME Y14.5-2009

CAGE

OBCW9

SHEET

1 OF 2

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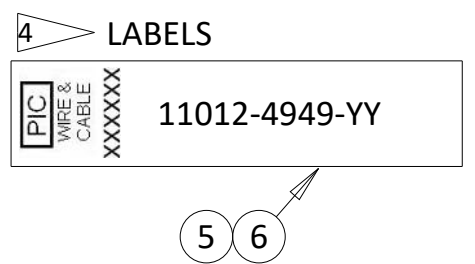
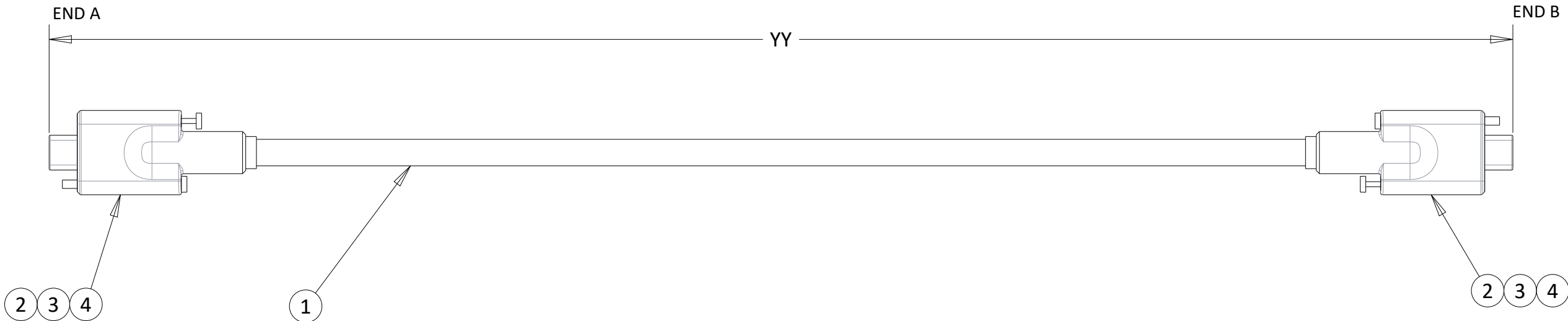
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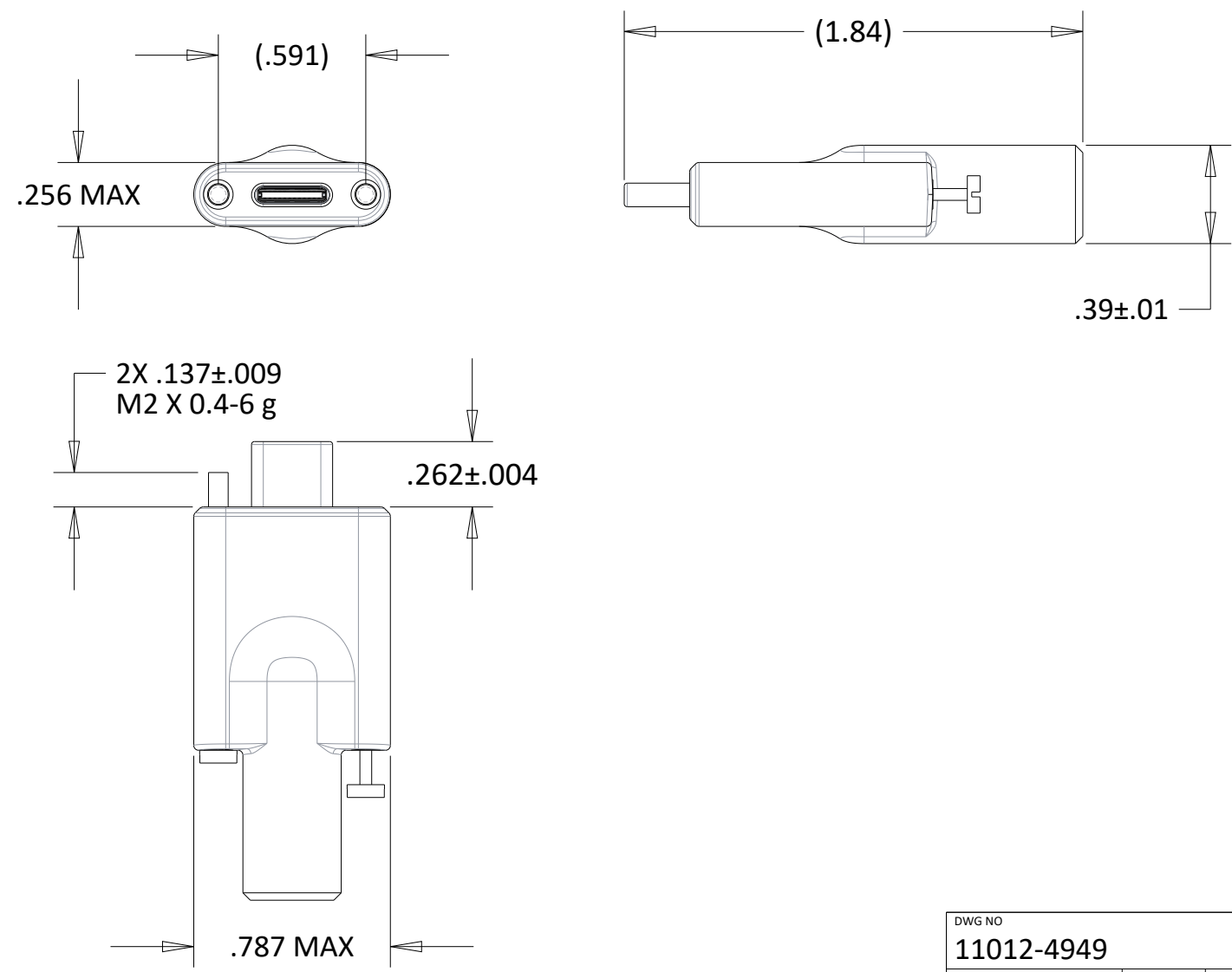
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PIC P/N 11012-4949-YY



OVERMOLD PROFILE



END A	WIRING DIAGRAM	END B
(GND) A1, B1, A12, B12	BLACK 24 AWG	A1, B1, A12, B12 (GND)
(Vbus) A4, B4, A9, B9	RED 24 AWG	A4, B4, A9, B9 (Vbus)
(CC) A5	ORANGE 28 AWG	A5 (CC)
(Vconn) B5	YELLOW 28 AWG	B5 (Vconn)
(D+) A6	GREEN (TW PAIR)	A6 (D+)
(D-) A7	WHITE (TW PAIR)	A7 (D-)
(SSTX1+) A2	BLACK (SS PAIR 3)	B11 (SSRX1+)
(SSTX1-) A3	WHITE (SS PAIR 3)	B10 (SSRX1-)
(SSRX1+) B11	GREEN (SS PAIR 2)	A2 (SSTX1+)
(SSRX1-) B10	ORANGE (SS PAIR 2)	A3 (SSTX1-)
(SSTX2+) B2	BROWN (SS PAIR 1)	A11 (SSRX2+)
(SSTX2-) B3	YELLOW (SS PAIR 1)	A10 (SSRX2-)
(SSRX2+) A11	RED (SS PAIR 4)	B2 (SSTX2+)
(SSRX2-) A10	BLUE (SS PAIR 4)	B3 (SSTX2-)
(SBU1) A8	BLUE 28 AWG	B8 (SBU2)
(SBU2) B8	VIOLET 28 AWG	A8 (SBU1)
(GND) A1, B1, A12, B12	SHIELD	A1, B1, A12, B12 (GND)