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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
0	INITIAL RELEASE	09/07/23	M.KREMEL
1	UPDATED TEMPLATE. ADDED OVERMOLDED CONNECTOR DIMENSIONS. UPDATED NOTES 4, 5, 6, 8, 9 AND 10.	11/22/23	M.KREMEL
2	CORRECTED NOTE 6, AND UPDATED NOTE 10. ADDED NOTES 8, 11, 12, 13, AND 14. ADDED -04 ASSEMBLY. UPDATED HDMI CABLE P/N. ADDED HEAC LOCATIONS TO -01 WIRING DIAGRAM.	03/12/24	S.SKIBINSKI
3	UPDATED ITEM NO 1 & ITEM NO 2 P/N AND DESCRIPTION. UPDATED NOTES 12&13.	04/04/24	S.SKIBINSKI

NOTES

- ALL ASSEMBLY WORK TO BE PERFORMED PER ANG-MFG-WI-00133 UNLESS OTHERWISE NOTED.
- SOLDERING TO BE PERFORMED PER IPC-J-STD-001, AS APPLICABLE.
- WORKMANSHIP TO BE PERFORMED PER IPC-A-620, CLASS 2.
- PIC SHIPSET NUMBER 11012-4946 INCLUDES ALL -XXX-YY CABLES ON THIS DWG. TO ORDER INDIVIDUAL CABLE(S), SPECIFY ASSEMBLY DASH NUMBER(S) (E.G. -018-02 = 18" HDMI TO DVI).
 XXX=ASSEMBLY LENGTH IN INCHES.
 YY=ASSEMBLY DASH NUMBER.
- 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.
- UNLESS OTHERWISE SPECIFIED:
 APPLY ONE LABEL TO EACH TERMINATED END.
 FOR ASSEMBLIES WITH AN UNTERMINATED END, APPLY ONE LABEL TO TERMINATED END ONLY.
- 01 & -04 LENGTH LIMITS:
 MIN ASSEMBLY LENGTH: 16"
 MAX ASSEMBLY LENGTH: 196".
- 02 & -03 LENGTH LIMIT:
 MIN ASSEMBLY LENGTH: 16"
 MAX ASSEMBLY LENGTH: 265".
- OVERMOLD HDMI CONNECTOR AFTER TERMINATION.
 OVERMOLDING MATERIAL: THERMELT 867 HV.
 INSPECT ALL OVERMOLDED ASSEMBLIES AGAINST THE OVERMOLD PROFILE DIMENSIONS DETAILED ON SHEET 2. OVERMOLDED CONNECTOR SHALL BE FREE OF SHORT SHOTS OR OTHER DEFORMITIES.
- UNLESS OTHERWISE SPECIFIED:
 FOR ASSEMBLIES SHORTER THAN 18 INCHES, CUT LENGTH IS XXX - 1".
 FOR ASSEMBLIES 18 TO 48 INCHES LONG, CUT LENGTH IS XXX.
 FOR ASSEMBLIES LONGER THAN 49 INCHES, CUT LENGTH IS XXX+0.5".
 FOR UNTERMINATED ASSEMBLIES, CUT LENGTH IS XXX+1" REGARDLESS OF LENGTH.
- LASER MARK XXX-01 ASSEMBLY WITH HDMI LOGO AS FOLLOWS:
 INTERVAL: ONE LOGO EVERY 18"
 TEXT HEIGHT: 0.15±0.01"
- PIC WIRE AND CABLE IS A LICENSED ADOPTER OF HDMI® TECHNOLOGY.
- LOCKING CLIP P/N 802001 IS AVAILABLE UPON REQUEST, FOR CONNECTOR P/N 111168.
- STRIP APPROXIMATELY 0.5" OFF UNTERMINATED END TO PERFORM CONTINUITY TESTING. AFTER TEST, TRIM UNTERMINATED END, TO MEET REQUIRED FINAL ASSEMBLY LENGTH.
- INCLUDE APPROPRIATE TEST DOCUMENTATION WITH EACH SHIPMENT.
 TEST REQUIREMENTS:
 ASSEMBLIES -01 THRU -03: TEST CABLE ASSEMBLIES PER ANG-ENG-PIC-SPEC-00043.
 ASSEMBLY -04 : CONTINUITY AND SHORTS ONLY.



5	RNF-100-XXX-CL	TE SHRINK TUBE, CLEAR	A/R	A/R	A/R	A/R
4	TTMS-XX-XX.X-9	TE LABEL SHRINK TUBE, WHITE	A/R	A/R	A/R	A/R
3	111191	DVI-D, DUAL LINK PLUG	-	1	2	-
2	111168	HDMI® CONNECTOR	2	1	-	1
1	H1926-HS	HIGH SPEED HDMI® CABLE WITH ETHERNET	A/R	A/R	A/R	A/R
ITEM NO	PART NO	DESCRIPTION	QTY			
			XXX-01	XXX-02	XXX-03	XXX-04

PARTS LIST

UNLESS OTHERWISE SPECIFIED, DRAWING UNITS ARE IN INCHES	
GENERAL TOLERANCES	ASSEMBLY LENGTH TOLERANCES
X.X ±1.0	UNDER 18 +1/-0
X.XX ±0.5	18 TO 48 +2/-0
X.XXX ±0.250	OVER 48 +3/-0
ANGLES ±0.5°	
SIGNATURES ON FILE	
ISSUED F.BISHARA	DATE 09/07/23
CHECKED S.SKIBINSKI	DATE 09/07/23
APPROVED M.KREMEL	DATE 09/07/23

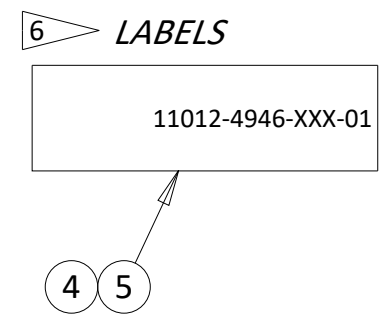
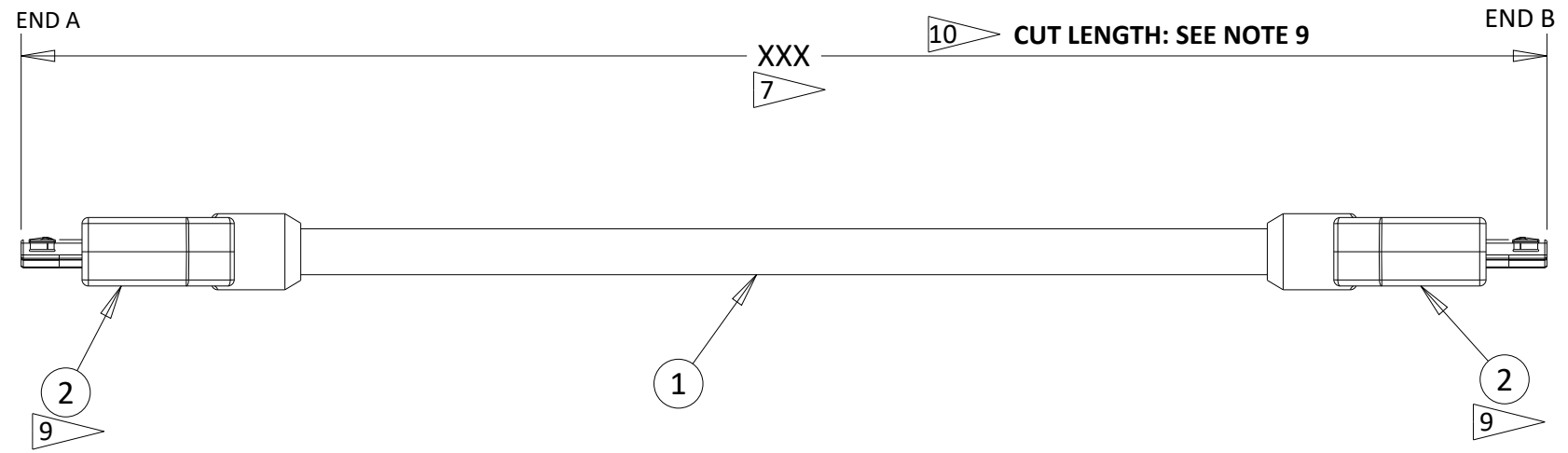
PIC W220 N1051 Springdale Rd. Waukesha, WI 53186
 WIRE & CABLE Phone: 800.742.3191 www.PICwire.com

TITLE
 HIGH DEFINITION
 CABLE ASSEMBLIES

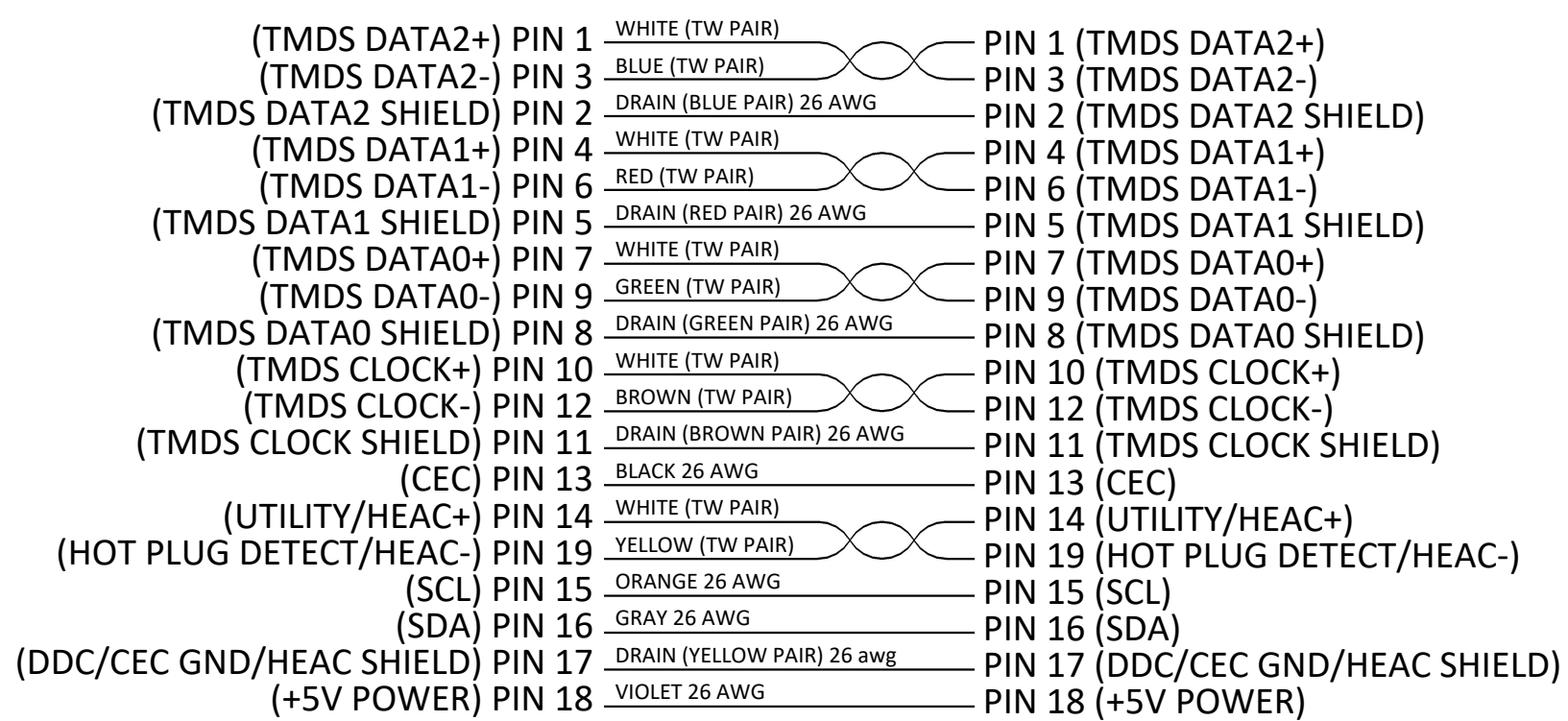
UNLESS OTHERWISE SPECIFIED, DRAWING IS IN THIRD ANGLE PROJECTION (US STANDARD)

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INTERPRET DRAWING: PER ASME Y14.100-2004 DIM AND TOL PER ASME Y14.5-2009	CAGE OBCW9	SHEET 1 OF 5

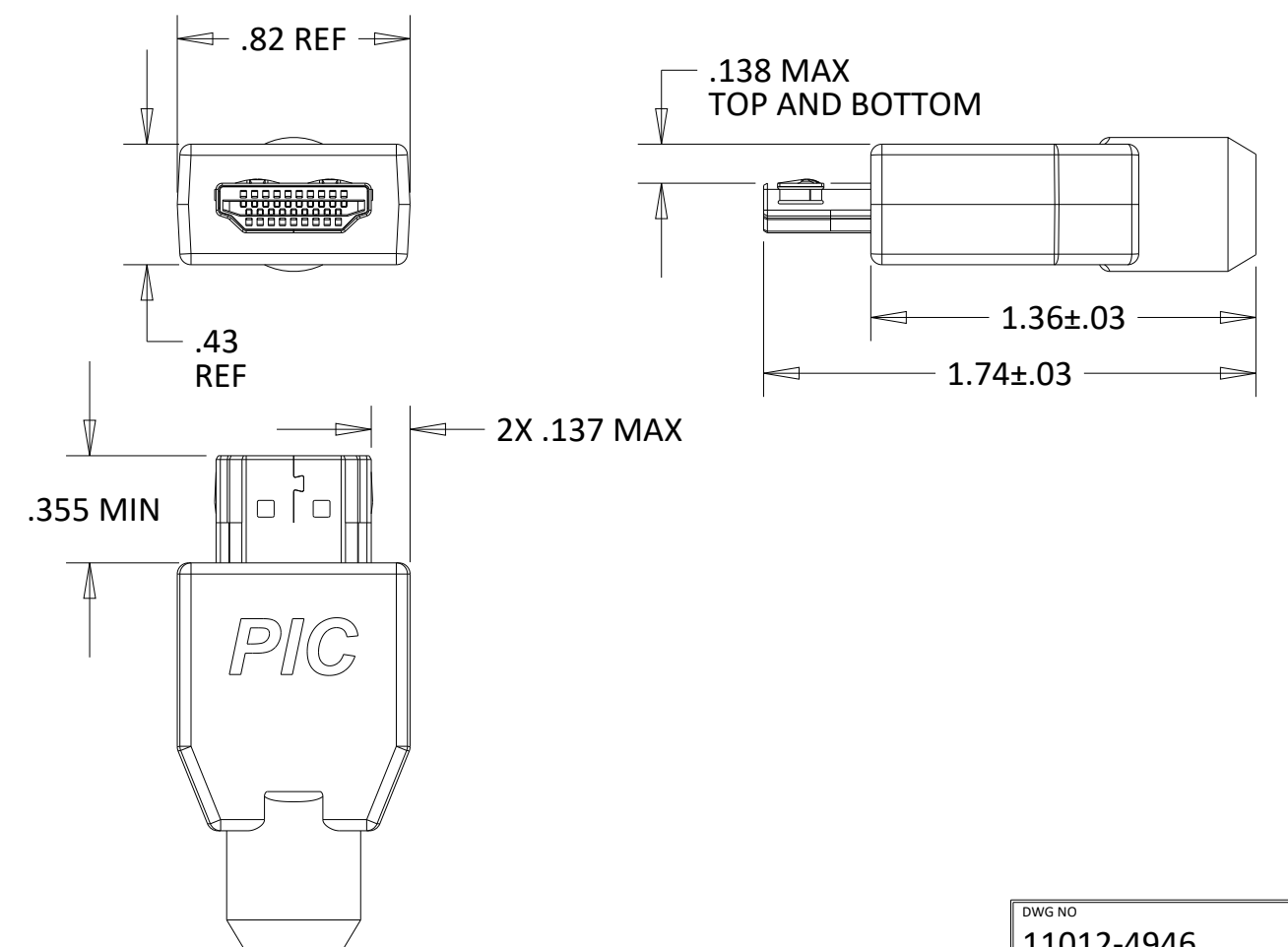
11 PIC P/N 11012-4946-XXX-01
HDMI® CONNECTOR TO HDMI® CONNECTOR



WIRING DIAGRAM

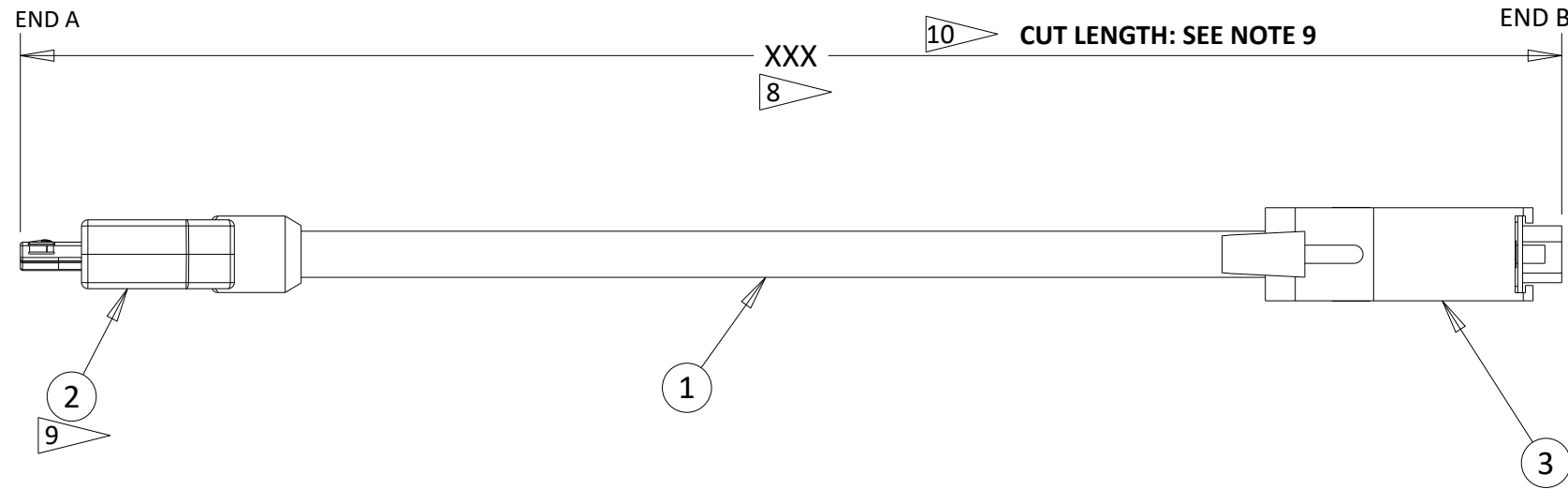


OVERMOLD PROFILE

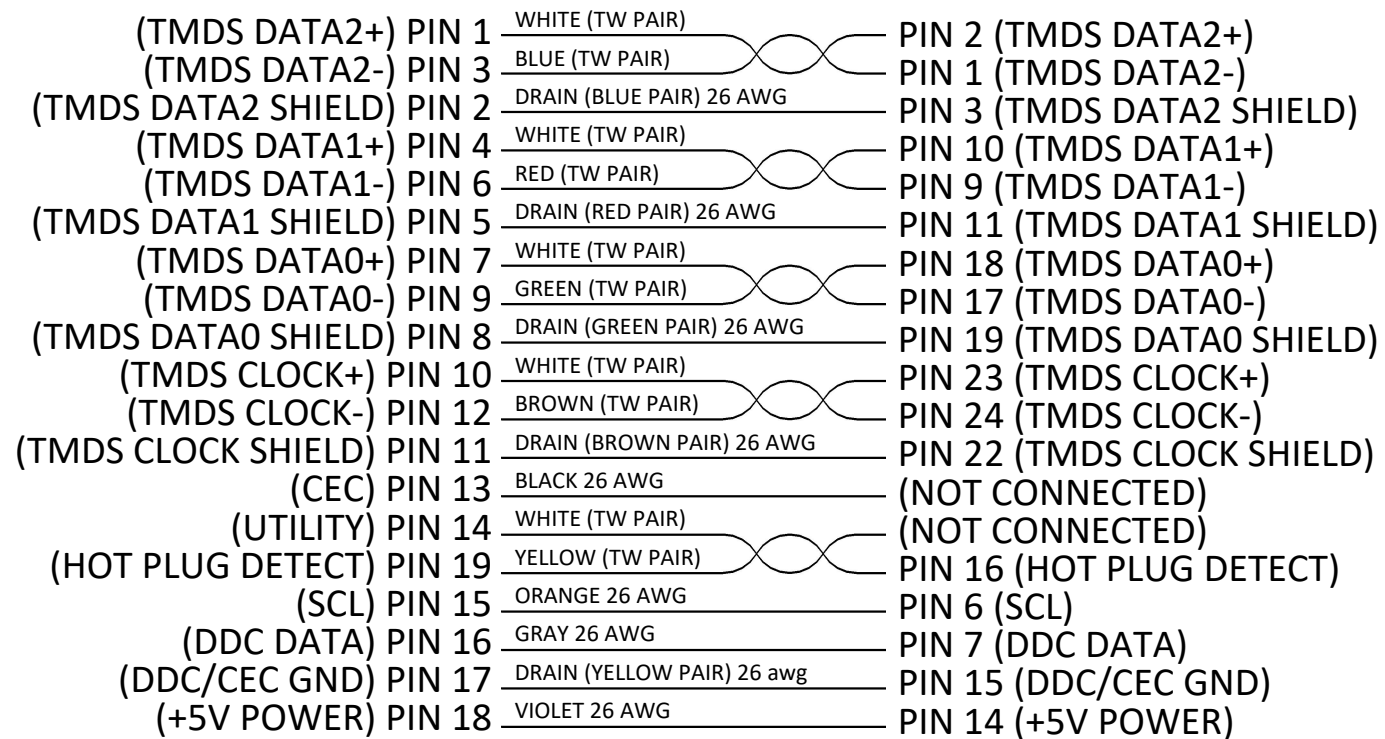


DWG NO	11012-4946	REV	3
INTERPRET DRAWING: PER ASME Y14.100-2004 DIM AND TOL PER ASME Y14.5-2009	CAGE OBCW9	SHEET	2 OF 5

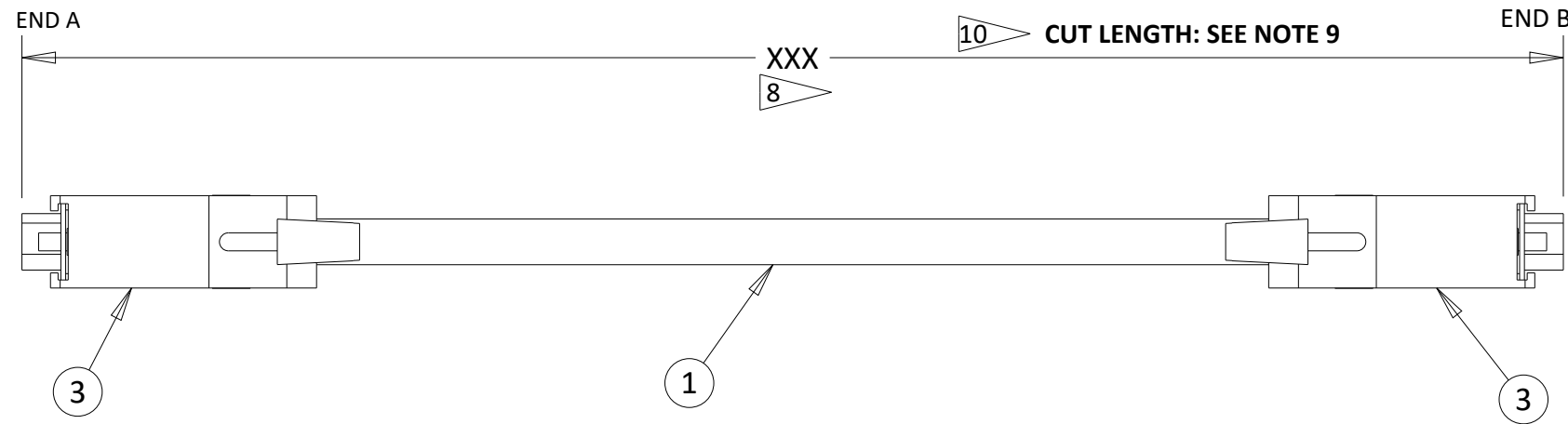
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HDMI[®] CONNECTOR TO DVI



WIRING DIAGRAM

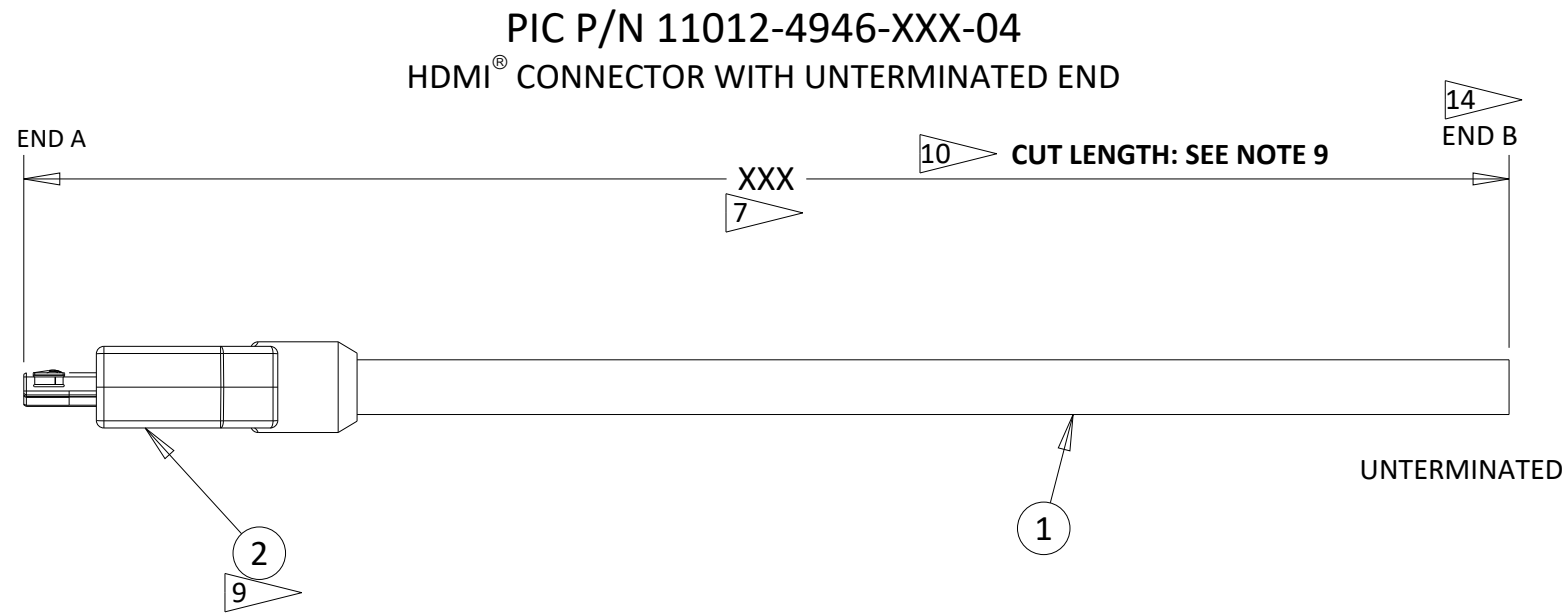


PIC P/N 11012-4946-XXX-03
DVI TO DVI

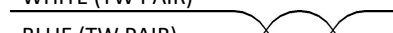

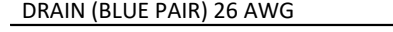
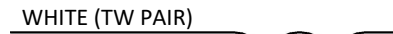

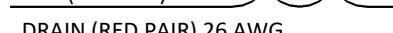
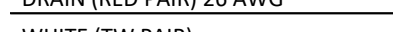
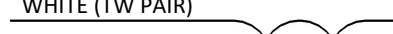
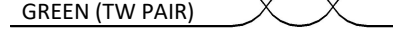

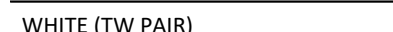
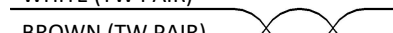
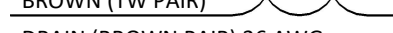


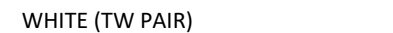
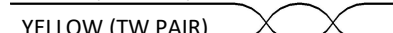
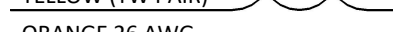


WIRING DIAGRAM

(TMDS DATA2-) PIN 1	BLUE (TW PAIR)	PIN 1 (TMDS DATA2-)
(TMDS DATA2+) PIN 2	WHITE (TW PAIR)	PIN 2 (TMDS DATA2+)
(TMDS DATA2 SHIELD) PIN 3	DRAIN (BLUE PAIR) 26 AWG	PIN 3 (TMDS DATA2 SHIELD)
(SCL) PIN 6	ORANGE 26 AWG	PIN 6 (SCL)
(DDC DATA) PIN 7	GRAY 26 AWG	PIN 7 (DDC DATA)
(TMDS DATA1-) PIN 9	RED (TW PAIR)	PIN 9 (TMDS DATA1-)
(TMDS DATA1+) PIN 10	WHITE (TW PAIR)	PIN 10 (TMDS DATA1+)
(TMDS DATA1 SHIELD) PIN 11	DRAIN (RED PAIR) 26 AWG	PIN 11 (TMDS DATA1 SHIELD)
(+5v POWER) PIN 14	VIOLET 26 AWG	PIN 14 (+5v POWER)
(DDC/CEC GND) PIN 15	DRAIN (YELLOW PAIR) 26 AWG	PIN 15 (DDC/CEC GND)
(HOT PLUG DETECT) PIN 16	YELLOW (TW PAIR)	PIN 16 (HOT PLUG DETECT)
NOT CONNECTED	WHITE (TW PAIR)	NOT CONNECTED
(TMDS DATA0-) PIN 17	GREEN (TW PAIR)	PIN 17 (TMDS DATA0-)
(TMDS DATA0+) PIN 18	WHITE (TW PAIR)	PIN 18 (TMDS DATA0+)
(TMDS DATA0 SHIELD) PIN 19	DRAIN (GREEN PAIR) 26 AWG	PIN 19 (TMDS DATA0 SHIELD)
(TMDS CLOCK SHIELD) PIN 22	DRAIN (BROWN PAIR) 26 AWG	PIN 22 (TMDS CLOCK SHIELD)
(TMDS CLOCK+) PIN 23	WHITE (TW PAIR)	PIN 23 (TMDS CLOCK+)
(TMDS CLOCK-) PIN 24	BROWN (TW PAIR)	PIN 24 (TMDS CLOCK-)
NOT CONNECTED	BLACK 26 AWG	NOT CONNECTED



WIRING DIAGRAM

(TMDS DATA2+)	PIN 1	WHITE (TW PAIR)	
(TMDS DATA2-)	PIN 3	BLUE (TW PAIR)	
(TMDS DATA2 SHIELD)	PIN 2	DRAIN (BLUE PAIR) 26 AWG	
(TMDS DATA1+)	PIN 4	WHITE (TW PAIR)	
(TMDS DATA1-)	PIN 6	RED (TW PAIR)	
(TMDS DATA1 SHIELD)	PIN 5	DRAIN (RED PAIR) 26 AWG	
(TMDS DATA0+)	PIN 7	WHITE (TW PAIR)	
(TMDS DATA0-)	PIN 9	GREEN (TW PAIR)	
(TMDS DATA0 SHIELD)	PIN 8	DRAIN (GREEN PAIR) 26 AWG	
(TMDS CLOCK+)	PIN 10	WHITE (TW PAIR)	
(TMDS CLOCK-)	PIN 12	BROWN (TW PAIR)	
(TMDS CLOCK SHIELD)	PIN 11	DRAIN (BROWN PAIR) 26 AWG	
(CEC)	PIN 13	BLACK 26 AWG	
(UTILITY)	PIN 14	WHITE (TW PAIR)	
(HOT PLUG DETECT)	PIN 19	YELLOW (TW PAIR)	
(SCL)	PIN 15	ORANGE 26 AWG	
(SDA)	PIN 16	GRAY 26 AWG	
(DDC/CEC GND)	PIN 17	DRAIN (YELLOW PAIR) 26 awg	
(+5V POWER)	PIN 18	VIOLET 26 AWG	