

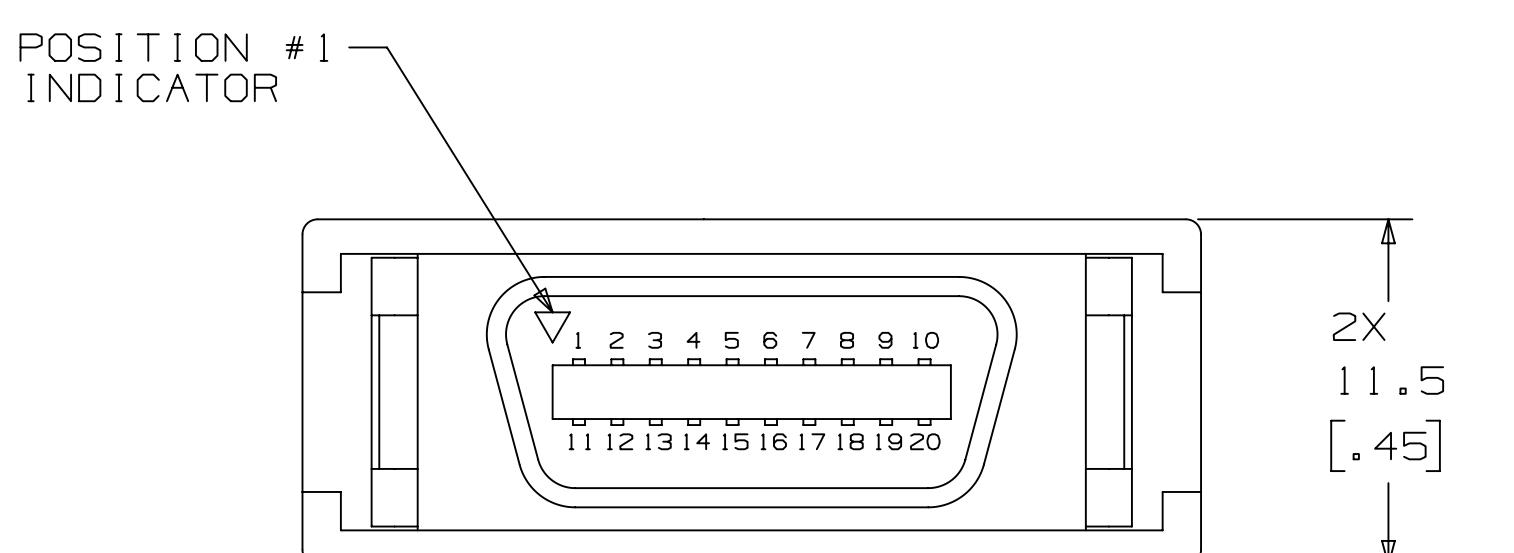
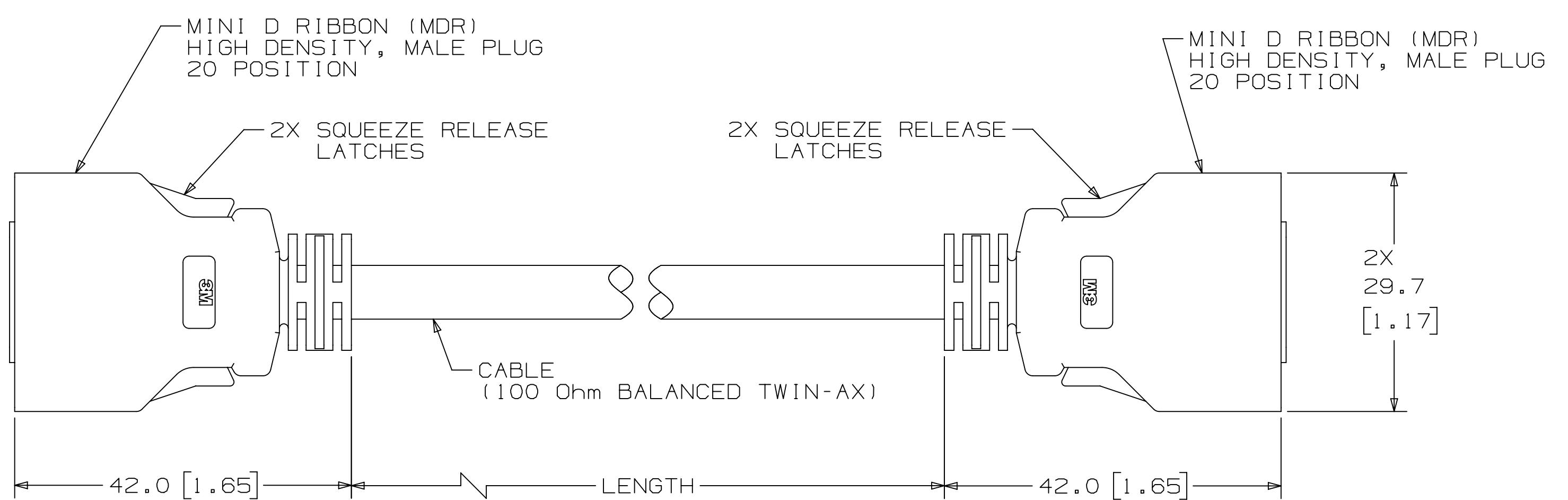
3M™ MINI D RIBBON (MDR) CABLE ASSEMBLY,  
.050" HIGH SPEED DIGITAL DATA TRANSMISSION SYSTEM - 20 TO 20 POSITION

14520-EZAB-XXX-OEC

- \* SUPPORTS NEW VESA™/DEP STANDARD FOR 20 POSITION MDR AT HOST DEVICE.
- \* LCD MONITOR ASSEMBLY FOR PanelLink™/TMDS™ INTERFACE.
- \* EACH DIFFERENTIAL TWIN-AX PAIR HAS FOIL SHIELD AND DRAIN WIRE.
- \* ENTIRE CABLE BUNDLE IS SHIELDED WITH FOIL AND BRAID FOR ADDITIONAL SIGNAL PROTECTION.
- \* RUGGED MDR RIBBON TYPE CONTACT.
- \* QUICK RELEASE LATCHES.

NOTES

1. REGULATORY INFORMATION: VISIT 3M.com/regs
2. "VESA" IS A TRADEMARK OF VIDEO ELECTRONICS STANDARDS ASSOCIATION CORPORATION. "PANELLINK" AND "TMDS" ARE TRADEMARKS OF SILICON IMAGES, INC.
3. IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.



MDR PLUG, 20 POSITION  
BOTH ENDS  
(P20-15 PINOUT)

ORDERING INFORMATION  
14520-EZAB-XXX-OEC

LENGTH:  
100 = 1 METER  
200 = 2 METERS  
300 = 3 METERS  
500 = 5 METERS  
AOO = 10 METERS

TOLERANCE FOR LENGTH:  
0.15 TO 1.5 METERS = -0/+0.05 METERS.  
GREATER THAN 1.5 METERS = -0%/+3% METERS.

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION  
INTERCONNECT SOLUTIONS  
<http://www.3M.com/interconnect>

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INFORMATION CALL 800-225-5373

DIMENSIONS: MM [ INCHES ]  
[ INCHES ] IS FOR REF. ONLY

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
14520-EZAB-XXX-OEC	CASTIGLIONE	B	107049	SEP 26, 2022	REVISE LENGTH TOL AND REDRAWN	JNC FJR
		A	AT1895	MAY 22, 2006	REMOVE PLATING OPTIONS	PLM PLM
				DATE SEP 26, 2022	MFG DATE	
				DATE SEP 26, 2022	APPROVED F. RODRIGUEZ	DATE SEP 26, 2022

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MINI D RIBBON (MDR)  
CABLE ASS'Y,  
14520-EZAB-XXX-OEC

UL FILE NO: E86982

DET. LISTS  YES  NO SHT 1 OF 2

3M™ MINI D RIBBON (MDR) CABLE ASSEMBLY, 14520-EZAB-XXX-OEC  
.050" HIGH SPEED DIGITAL DATA TRANSMISSION SYSTEM - 20 TO 20 POSITION

Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

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MDR-DFP 20 TO 20 POSITION,  
PINOUT P20-15 (REV. 0.4a)  
(NOTE: CABLE ASSEMBLY IS REVERSABLE)

DFP TRANSMITTER, Tx (HOST) RECEIVER, Rx (MONITOR)

PIN NUMBER	SIGNAL	PIN NUMBER	SIGNAL
1	Tx 1+	1	Rx 0-
2	Tx 1-	2	Rx 0+
3	Tx 1 shld	3	Rx 0 shld
4	Tx Clk shld	4	Rx 2 shld
5	Tx Clk+	5	Rx 2-
6	Tx Clk-	6	Rx 2+
7	DDC gnd	7	DDC/SCL
8	DDC +5 Vdc	8	DDC/SDA
9	NC	9	NC
10	NC	10	NC
11	Tx 2+	11	Rx Clk-
12	Tx 2-	12	Rx Clk+
13	Tx 2 shld	13	Rx Clk shld
14	Tx 0 shld	14	Rx 1 shld
15	Tx 0+	15	Rx 1-
16	Tx 0-	16	Rx 1+
17	NC	17	NC
18	sense	18	sense
19	DDC/SDA	19	DDC +5 Vdc
20	DDC/SCL	20	DDC gnd

NOTE: WIRING DIAGRAM IS NOT PIN 1 TO PIN 1.

78-5100-0858-0 | B

B	107049	SEP 26, 2022	JNC	FJR
REVISE LENGTH TOL AND REDRAWN				
A	AT1895	MAY 22, 2006	PLM	PLM
REMOVE PLATING OPTIONS				
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DATE: SEP 26, 2022 MFG DATE				
CAGLIORE DATE: SEP 26, 2022 APPV: F. RODRIGUEZ DATE: SEP 26, 2022				
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MINI D RIBBON (MDR) CABLE ASS'Y, 14520-EZAB-XXX-OEC				
DRAWING NO. D 78-5100-0858-0 REV. B				
DET. LISTS: YES NO SHT 2 OF 2				

