.050"High Speed Digital Data Transmission System - 26 Position

14X26-SZLB-XXX-0LC



- Supports new Industrial CameraLink™ in Automated Imaging Association for camera to frame grabber communications
- 11 shielded twin-ax pairs and four drain wires
- Entire cable bundle is shielded with foil and braid for additional signal protection
- Rugged MDR ribbon type contact
- Rugged thumbscrew retention
- EMI shielded junction shell in either plastic or overmolded construction.
- RoHS\* compliant

Date Modified: May 31, 2006

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## **Physical**

### **Connector Contact Plating**

Wiping Area: 30µ" [ 0.76µm ] Min. Gold

Shell Color: Beige

Shell Material: Overmold Option: Polyvinyl Chloride (PVC); Shell Kit Option: Polyester Elastomer

Cable Color: Beige

Cable Jacket Material: Polyvinyl Chloride (PVC)

Cable Flammability: AWM VW-1

## **Electrical**

Voltage Rating: 30 V Current Rating: 1 A

Insulation Resistance:  $> 1 \times 10^8 \Omega$  at @ 100 Vdc

Withstanding Voltage: 350 Vrms for 1 minute

**Individually Shielded Twisted Pairs** 

Characteristic Impedance:  $100 \pm 10^{\Omega}$ 

Conductor Size: 28 AWG Stranded
Propogation Velocity: 1.25 ns/ft [4.1 ns/m]
Skew (within pair): 50 ps/meter maximum

Skew (channel skew per chipset): 50 ps/meter maximum

## **Environmental**

**Temperature Rating:** -20°C to +75°C

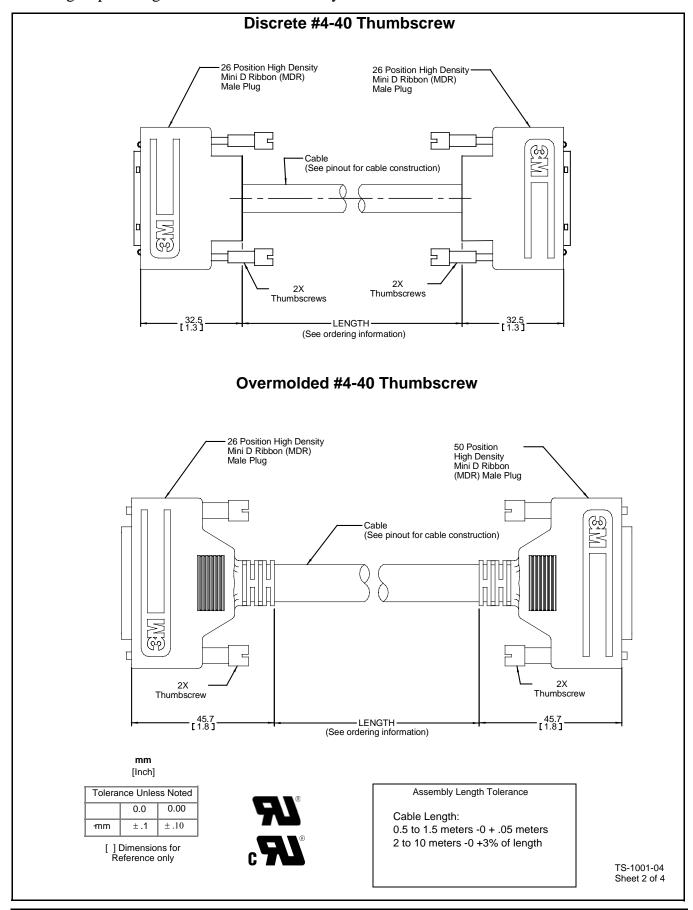
\*RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment "RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybromianted diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

UL File No.: E86982

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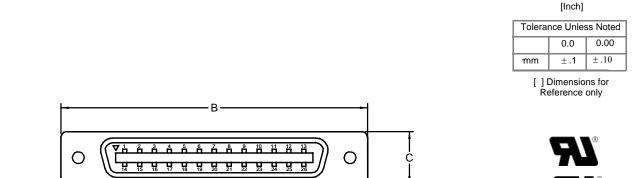
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Generic End Detail MDR 26 Position Plug (Both Ends)

Shell Option (see ordering information)	В	С

40.2

[1.58]

39.4

[ 1.55 ]

14.0

[.55]

12.8

[.51]

Thumbscrew

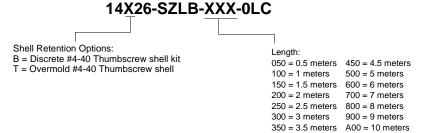
overmold shell

Thumbscrew shell kit

#### Note

- 1. Use 3341-31 jacksocket for mounting receptacle to panel for T version cables.
- 2. Use 3341-32 jacksocket for mounting receptacle to panel for B version cables.

## **Ordering Information**



400 = 4 meters

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Cable Assembly and Camera Link Pinouts							
Medium and Full Configurations  Two Channel Link Chips		Base Configuration  One Channel Link Chip + Camera Control + Serial Communication					
					Camera Connector	Right Angle Frame Grabber	Channel Link Signal
1	1	inner shield	inner shield	1	1	inner shield	
14	14	inner shield	inner shield	14	14	inner shield	
2	25	Y0-	Pair 1-	2	25	X0-	
15	12	Y0+	Pair 1+	15	12	X0+	
3	24	Y1-	Pair 2-	3	24	X1-	
16	11	Y1+	Pair 2+	16	11	X1+	
4	23	Y2-	Pair 3-	4	23	X2-	
17	10	Y2+	Pair 3+	17	10	X2+	
5	22	Yclk-	Pair 4-	5	22	Xclk-	
18	9	Yclk+	Pair 4+	18	9	Xclk+	
6	21	Y3-	Pair 5-	6	21	Х3-	
19	8	Y3+	Pair 5+	19	8	X3+	
7	20	100 ohm	Pair 6+	7	20	SerTC+	
20	7	terminated	Pair 6-	20	7	SerTC-	
8	19	Z0-	Pair 7-	8	19	SerTFG-	
21	6	Z0+	Pair 7+	21	6	SerTFG+	
9	18	Z1-	Pair 8-	9	18	CC1-	
22	5	Z1+	Pair 8+	22	5	CC1+	
10	17	Z2-	Pair 9+	10	17	CC2+	
23	4	Z2+	Pair 9-	23	4	CC2-	
11	16	Zclk-	Pair 10-	11	16	CC3-	
24	3	Zclk+	Pair 10+	24	3	CC3+	
12	15	Z3-	Pair 11+	12	15	CC4+	
25	2	Z3+	Pair 11-	25	2	CC4-	
13	13	inner shield	inner shield	13	13	inner shield	
26	26	inner shield	inner shield	26	26	inner shield	

### Notes:

- 1. All pairs are individually shielded with aluminum foil.
- 2. Pair shields are wrapped aluminum out and are in contact with four internal drains (logic ground).
- 3. Outer braid and foil (chassis ground) are isolated from inner drains (logic ground).
- 4. Cable assembly compatible with both Camera Link configurations

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