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AN-OP3

APPLICATION NOTE

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DRIVING OPTREX PANELS WITH ACI I-DRIVE 5 LED DRIVERS

1. Identify the Optrex Panel P/N to be driven, from Table 1 below.
2. Use the ACI I-Drive 5 Driver specified in Table 1.
3. Connect the LED Driver to the Display per the connection diagram specified in Table 1. Verify if an output cable assembly is required, to connect the driver to the display, per Table 1.
4. Use Input Cable Assembly P/N 27-R0061, to interface with CON1 of LED Driver.

Display Specifications				LED Driver Specifications			
Optrex Panel P/N	Size	# of Channels	Vf (V) Typ. (Max)	Current per Channel (mA) Typ.	ACI I-DRIVE 5 LED Driver P/N	Output Cable Assembly (to connect driver to display)	Connection Diagram
15.0 XGA (1024x768)							
T-55534D150J-LW-A-ABN	15.06	2x4	24 (33.2)	125	(1) ACI-E096250-1884	(1) 27-R0062	Fig. 1, Pg 2
T-55519D150J-LW-A-ABN	15.06	2x5	24 (33.4)	130	(2) ACI-E170130-1971 (2) ACI-E170130-1984*	(2) 27-R0088	Fig. 2, Pg 2
17.5 WXGA (1280x768)							
T-55621D175J-LW-A-AAN	17.56	1x4	27 (37.3)	120	(1) ACI-E170130-1994	(1) 27-R0064	Fig. 3, Pg3

* Driver is configured for use with Digital View LCD Controller

TABLE 1. Driving Optrex Panels

DRIVING OPTREX PANELS WITH ACI I-DRIVE 5 LED DRIVERS

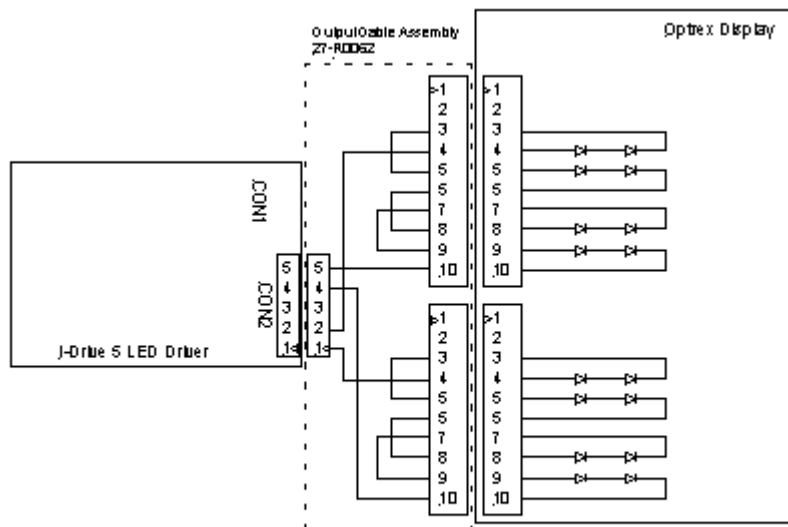


FIGURE 1. Connection Diagram

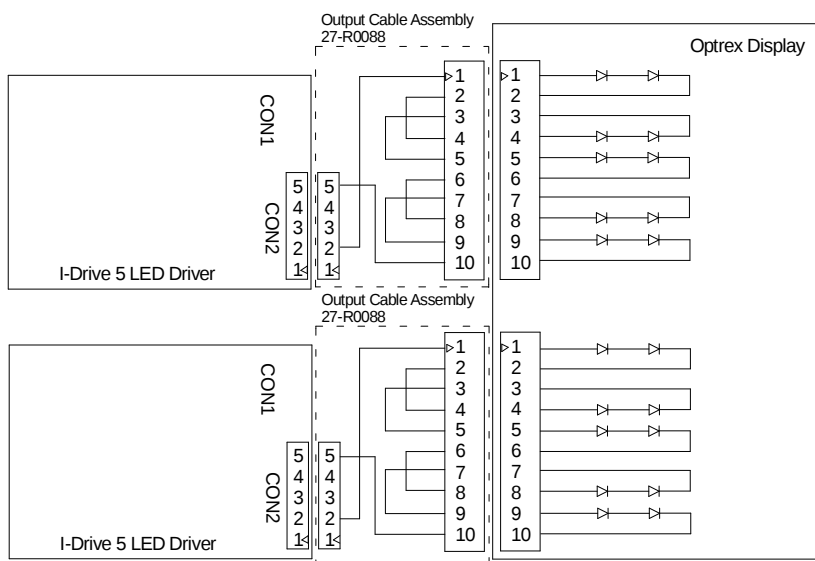


FIGURE 2. Connection Diagram

DRIVING OPTREX PANELS WITH ACI I-DRIVE 5 LED DRIVERS

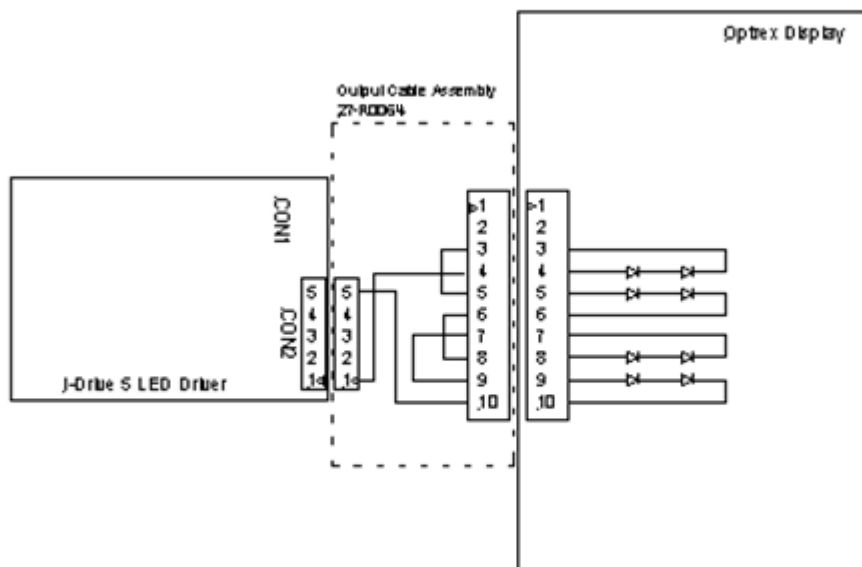


FIGURE 3. Connection Diagram