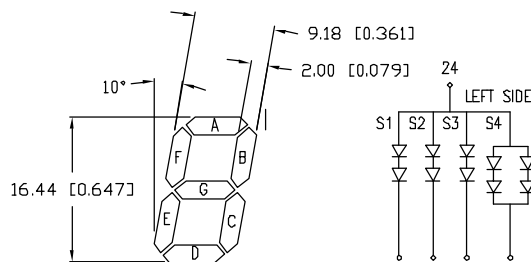
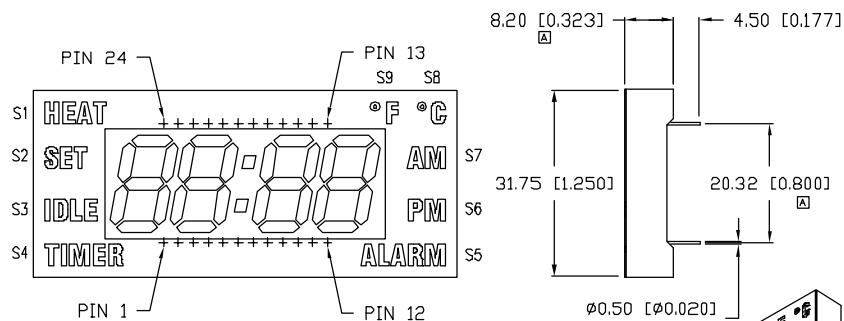
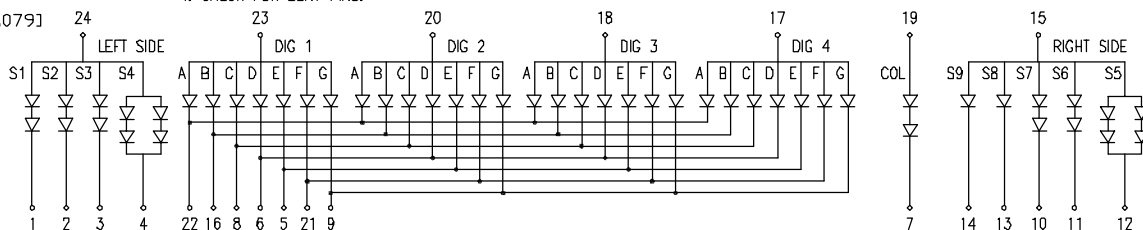


UNCONTROLLED DOCUMENT
UNDER REVISION



- NOTES:
1. LXP-OL46503, OVERLAY.
 2. LDQ-M46503RD, LED DISPLAY.
 3. INK DOT FOR LIGHT LEAKAGE CHECK.
 4. CHECK FOR BENT PINS.

COMMON ANODE



SC: 1	PART NUMBER	REV.
	LDQ-M46503RD-OVLY	B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10772.	8.1.01
B	E.C.N. #11520.	08.07.08

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=10\text{mA}$				
PARAMETER	MIN	TYP	MAX	UNITS TEST COND
PEAK WAVELENGTH		585		nm
FORWARD VOLTAGE (TYP)		2.1*/4.2**		V_f
FORWARD VOLTAGE (MAX)			2.5*/5.0**	V_f
REVERSE VOLTAGE	5.0			V_r $I_r=100\mu\text{A}$
AXIAL INTENSITY		4000		μcd $I_f=10\text{mA}$
EMITTED COLOR:	YELLOW			
FACE COLOR:	BLACK			
SEGMENT COLOR:	MILKY WHITE DIFFUSED			

* V_f FOR ALL SEGMENTS, S8, S9

** V_f FOR S1, S2, S3, S4, S5, COL, S6, S7

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT (ALL/S4,S5)	30/60	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

* $t < 10\mu\text{s}$

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= -0.000 +0.000 DECIMAL PRECISION MAX= -0.000 +0.000 DECIMAL PRECISION

REV. B PART NUMBER LDQ-M46503RD-OVLY

CUSTOM 0.647" 4 DIGIT, SEVEN SEGMENT LED DISPLAY, 585nm YELLOW CHIPS, BLACK OVERLAY, WHITE SEGMENTS, COMMON ANODE MULTIPLEXED.

CONFIDENTIAL INFORMATION
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RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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			PAGE: 1 OF 1
			SCALE: N/A